A study and implementation of an electronic commerce website using active server pages

Soumaya Boutkhil

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A STUDY AND IMPLEMENTATION OF AN ELECTRONIC COMMERCE WEBSITE USING ACTIVE SERVER PAGES

A Project
Presented to the
Faculty of
California State University,
San Bernardino

In Partial Fulfillment
of the Requirements for the Degree
Master of Business Administration

by
Soumaya Boutkhil
December 2001
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Approved by:

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Date 10/15/2001
ABSTRACT

A long time ago, a business card featured five pieces of information: your name, your business, your address, your phone number and your fax number. Take a look at a business card today, and if you don't also have a web site and an e-mail address on it, people might think you're living in the Dark Ages. Many business owners are getting an Internet presence with their own web sites. When a business presents its products through the Internet it means that it also exhibits them to the world as well. Customers around the world can visit and order the products without geographical boundaries.

The purpose of this project is to design an electronic commerce site for MarocMart company. MarocMart.com is an one-stop shopping company for a number of high quality products: carpets, jewelry, pottery, wood, leather, metals, and fashion items, etc... Each article is unique, hand-made by Moroccan craftsmen. The vision of MarocMart.com is to bring to the world a taste of collections that reveal the unique heritage of Morocco and its artisans by offering the best Moroccan handcrafted products.

The motivation of this project comes from my ambition to practice all what I have learned during my MBA (Master
of Business Administration) program, and at the same time, to introduce the beautiful country where I come from, Morocco, by offering Morrocan heritage and treasures.

There are five major sections in this thesis. The first section is the study of art and craft industry. The second section is a general consideration of electronic business. The third section is an overview of Application Service Provider. The fourth section is the development, design, and implementation of MarocMart website. Finally, the last section is the coding and programming portion of MarocMart.com using ASP (Active Server Pages) code.

The application is built in such a manner that its functions are successfully implemented and tested. However, there are some functions that have to be implemented in order to lunch MarocMart.com in the real business world. First is the security implementation by using Secure Sockets Layer (SSL). SSL is a protocol that provides secure information transfer through the Internet. Second is the connection to the bank or to credit card company for the payment. And last, but not least, is adding more products, including the French version, and improving the design of the web site.
ACKNOWLEDGMENTS

I would like to express my deepest gratitude to my parents and my brother for their inspiration and support. Their love gives me the strength to succeed.

A special thank you to my committee, Dr. Frank Lin, and Dr. Conrad Shayo for their assistance and suggestions during the completion of this project.

I am also grateful to Mr. Dave Dietrich for his time and help.

I would like to knowledge my professors, classmates, and all of you who have contributed to my education.

Finally, special notes of appreciation to each one of you who have supported me when I felt lonely in this country.

Thanks to all of you.

Soumaya
DEDICATION

To my lovely parents
To my wonderful brother
To all those who are dearest to me

The one who always loves you
Soumaya
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CHAPTER ONE

ART AND CRAFTS INDUSTRY

Industry Outlook

Art and crafts manufacturers and retailers are pleased with current demographics. The main group they target, 30 to 64 years old, is the fastest growing segment. This group comprises individuals who have reached their peak spending years and are likely to replace earlier purchases of major durables. Indeed baby boomers are getting older and richer and will soon want nicer things to suit their more upscale lifestyles.

Another reason for the joy in the art and crafts industry is that houses are getting larger. More total floor space and a greater number of rooms per house translate to more art and craft sales. Another favorable trend is increasing home ownership. For example, in the United States, the percentage of householders that own their homes is at record levels 67%, and is approximately double that of renters (U.S. Industry & Trade Outlook, 2000).

In addition to a broadening market, new retailing techniques are affecting the future industry. Standard and Poor’s noted a growing tendency among manufacturers to
enter into agreement with a retailer to open a gallery devoted to the manufacturer's goods, a concept that has been very successful in attracting customers and generating sales. The arrangement is mutually advantageous because the retailer has propriety rights on the goods while the manufacturer gets a dedicated retail outlet for its merchandise.

Industry and Internet

The Internet is a growing force in the buying and selling of a wide variety of products, including crafts. Companies must develop and implement strategies to use the World Wide Web for both business to consumer and business-to-business applications. Consumer spending via electronic commerce was estimated to have climbed past $33 billion in 2000, from $14.9 billion in 1999 according to the Shop.org trade group and the Boston Consulting Group. The two organizations expect consumer e-commerce to exceed $61 billion in 2001.

Compared with books, software, and CDs, art and craft products are not significant web sales categories. The art and craft industry has been slow to adopt the Internet for use in retail selling. There are several reasons for this. Companies, especially those without national reach, are
concerned about the costs of delivering and returning heavy items. Some fear that consumers would be reluctant to purchase expensive items without professional guidance and before seeing and feeling the products' fabric, texture, and/or quality of construction. Indeed, there is a dearth of quantifiable data on Internet use in the art and crafts industry.

However, consumers use the Internet as a tool for product research and for online purchasing is growing. In a 2000 study, Ernst & Young estimated that 15% of consumers who had purchased art and craft products offline had first researched them online. With a rising number of Internet users in the United States worldwide and an increasing number of retailers offering to sell products on the internet, the use of the Internet for researching and purchasing art and craft products will continue to grow. Retailers realize that if they ignore the Internet, they may face significant challenges from upstart business using the web's advantages to take away market share from offline companies.

Today's art and craft retailers will have to increase their use of the web - not just for informational and browsing purposes, but also for actual ordering and shipping of products. With an appropriate program,
e-commerce activities can help companies operate more efficiently and profitably. Thus, over time they will adopt the multichannel distribution method, consisting of traditional stores, catalogs, and the Internet.

The Internet’s importance goes well beyond marketing to consumers. Increasingly, manufacturers from a variety of industries are using the Internet for business-to-business (B2B) transactions and other web related initiatives (Schneider & Perry, 2000). Companies are forming strategic alliances with skilled technology partners and are making plans to put some or all purchasing and sourcing onto the Internet. For the art and crafts industry, some manufactures use the Internet and other channels to distribute information to consumers, although they do not sell directly to the public. Consumers can, however, purchase items from web sites run by retailers.

**Competitive Factors:**
**Porter Analysis**

Michael E. Porter of the Harvard Business School has developed a framework that helps managers analyze competitive forces that collectively determine an industry profitability. Porter’s framework, known as the five
forces model, focuses on five forces that shape competition within an industry (Porter, 1998).

The collective strength of the five forces varies from industry to industry. The strength of each of the five forces can also either improve or erode the attractiveness of an industry. Information technology can alter each of the five competitive forces and, hence industry attractiveness as well. The technology is unfreezing the structure of many industries and creating the need and opportunities for change.

**Barriers to Entry**

They are factors that make it costly for companies to enter an industry. High barriers to entry keep potential competitors out of an industry. In the art and crafts industry, the most influential factor in discouraging new rival is the business’s skimpy margins. For example, net margins are in the low to mid-single digits (U.S. Industry & Trade Outlook, 2000). These margins are resulted from years of competition on essential art products, which has driven down prices of major products.

Art and crafts manufacturing enjoys relatively high single digit net margins. Its primary entry barrier is the high cost of starting up operations. With start up expenses paid long ago and an established high volume of
production, incumbents have a significant cost per unit advantage that discourages would be participants from entering the art and crafts manufacturing market.

- **Economies of Scale**: Economies of scale are the cost advantages associated with large company size. For a new participant that is not yet achieved economies of scale, the highest fixed cost of production would make it difficult to compete profitably on such margins, unless it achieved a major information technology breakthrough. Having such information technology raises the barrier of entry because it requires large investments in building e-commerce, buying softwares and investing in improving computer hardware and other facilities.

- **Proprietary Product Differences**: In this industry, retailers do not control the differences of the products because they don’t produce any products. Therefore, the proprietary product difference is low in this industry.

- **Brand Identity**: Brand identity is buyers’ preference for the products of a particular company. Usually, the brand identity in this industry is very low. Retailers are free to purchase any product from any wholesaler and/or any manufacturer.
Switching Costs: The switching costs for this industry is low. Art and craft retailer can change to sell other products easily.

Capital Requirements: The capital requirement is low for the art and crafts retailers.

Access to Distribution: There are many distribution channels for the art and crafts industry such as participating in national fairs, advertising in national wide areas, and using direct sales. Thus, the access to distribution is quite high.

Absolute Cost Advantages: Absolute cost advantages can arise from three main sources.

- **Access to Necessary Inputs**: Art and crafts retailers need to contact many manufacturers in order to compete with other competitors. Therefore, the costs of access to necessary inputs are high.

- **Proprietary Low-Cost Product Design**: There is no cost of product design because retailers do not need to design any product.

- **Proprietary Learning Curve**: Since there are many different products, a new player will have very high cost of proprietary learning curve.
Government Policy: Government policy has constituted a major entry barrier into many industries. There is a moderate effect of government policy to this industry.

Conclusion: The entry barriers for this business are quite low. Table 1 shows the scale of each factor of entry barriers.

Table 1.

<table>
<thead>
<tr>
<th>Factor</th>
<th>Scale</th>
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<tbody>
<tr>
<td>Economic of Scale</td>
<td>High</td>
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<tr>
<td>Proprietary product differences</td>
<td>High</td>
</tr>
<tr>
<td>Brand identity</td>
<td>High</td>
</tr>
<tr>
<td>Switching costs</td>
<td>High</td>
</tr>
<tr>
<td>Capital requirements</td>
<td>High</td>
</tr>
<tr>
<td>Access to distribution</td>
<td>High</td>
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<tr>
<td>Absolute cost advantages</td>
<td>High</td>
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<tr>
<td>Government policy</td>
<td>High</td>
</tr>
<tr>
<td>Conclusion</td>
<td>Weak</td>
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</table>

Power of Buyers

Buyers can be viewed as a competitive threat when they are in a position to demand lower prices from the
company or when they demand better services that can increase operating costs.

- **Bargaining Leverage:** Art and crafts manufacturers' customers are major retailers that buy a majority of their output. Because of their purchasing power, the major retailers have the leverage to negotiate preferential prices, which further narrows the manufacturer's margins.

  The use of information technology increases the power of buyers. They can use their personal computers to browse through electronic catalogs and compare prices and products specifications. Also, they can switch orders between supply companies at low costs, thereby playing off companies against each other to force down prices.

- **Price Sensitivity:** There is a very low difference for retailer products in the customer point of view. The final customers are free to purchase the products from wherever they want. The buyer's profits depend on the types of products. On average, the profit is medium.

- **Conclusion:** The buyer power in the art and craft industry is strong (see table 2).
Table 2.
Buyer Power of the Art and Crafts Industry Table

<table>
<thead>
<tr>
<th>Factor</th>
<th>Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bargaining leverage</td>
<td>High</td>
</tr>
<tr>
<td></td>
<td>♦</td>
</tr>
<tr>
<td>Price sensitivity</td>
<td>High</td>
</tr>
<tr>
<td></td>
<td>♦</td>
</tr>
<tr>
<td>Conclusion</td>
<td>Strong</td>
</tr>
<tr>
<td></td>
<td>♦</td>
</tr>
</tbody>
</table>

Power of Suppliers

Suppliers can be viewed as a threat when they are able to force up the price that a company must pay for its inputs or reduce the quality of the inputs they supply. There are many kinds of art and crafts products in the market. Usually each manufacturer produces different types of products. All of these products might use many different inputs such as wood, metal, metal, leather, and plastic. This means there are many differentiations of inputs in the toy industry.

As art and crafts manufacturers attempt to maintain their margin, they typically try to pay their suppliers less. This, in turn hurts the parts suppliers. Because their goods are essentially commodities, they are at present unable to fight back. This relative weakness helps to ensure low prices for customers, as long as cost
pressure do not reduce the sources of material by driving produces out of business.

Information technology has had a particularly strong impact on bargaining relationships between suppliers and buyers since it affects the linkages between companies and their suppliers, channels and buyers. Information systems that across company lines are becoming common. In some cases, the boundaries of the industry itself have changed.

The retailers are in much stronger position to dictate the terms of their relationship to their suppliers. They continually monitor the suppliers' finished goods inventories, factory scheduling, and commitment against their schedule to make sure enough inventory will be available to meet unexpected demand. Table 3 shows the scale of the supplier power.
Table 3.
Supplier Power of the Art and Craft Industry Table

<table>
<thead>
<tr>
<th>Factor</th>
<th>Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Differentiation of inputs</td>
<td>Low</td>
</tr>
<tr>
<td>Switching costs of suppliers</td>
<td>Low</td>
</tr>
<tr>
<td>Presence of substitute inputs</td>
<td>Low</td>
</tr>
<tr>
<td>Supplier concentration</td>
<td>Low</td>
</tr>
<tr>
<td>Importance of volume to supplier</td>
<td>Low</td>
</tr>
<tr>
<td>Cost relative to total purchases in the industry</td>
<td>Low</td>
</tr>
<tr>
<td>Impact of inputs on cost</td>
<td>Low</td>
</tr>
<tr>
<td>Conclusion</td>
<td>Strong</td>
</tr>
</tbody>
</table>

Threat of Substitute

Substitute products are those of industries that serve consumers' needs in a way that is similar to those being served by the industry being analyzed. In the art and crafts industry, the threat of substitute products comes largely from incremental improvements rather than from wholly new products that make preceding products obsolete. Thus, participants can devote more researches and development resources to improve existing products than developing new product categories. From time to time, however, new needs rise and new products are created.
Information technology has influenced the threat of substitution in art and craft industry by making it quicker, easier and cheaper to incorporate enhanced features into products. It can lead to products that are of higher quality, that can be delivered faster, or that are cheaper. Similarly, at little cost, existing products can be tailored to customers’ needs. See table 4.

Table 4.
Threat of Substitute of the Art and Crafts Industry Table

<table>
<thead>
<tr>
<th>Factor</th>
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<tbody>
<tr>
<td>Relative price</td>
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<td>performance of substitutes</td>
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</tr>
<tr>
<td>Switching costs</td>
<td>Low</td>
</tr>
<tr>
<td>Buyer propensity to substitute</td>
<td>Low</td>
</tr>
<tr>
<td>Conclusion</td>
<td>Strong</td>
</tr>
</tbody>
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Threat of Rivalry

The extent of rivalry among established companies within industries is largely a function of three factors: competitive structure, demand conditions, and the level of exit barriers in the industry.

The art and crafts industry is a fragmented one. It contains a large number of small and medium sized companies, none of which is in a position to dominate the
industry. The expected overall growth in the industry is high because of the positive sign of the current demographics and of the real estates. The exit barriers are low. Participants can easily switch to other industries. Table 5 shows the scale for each factor in the rivalry determinant.

Table 5.
Threat of Rivalry of the Art and Crafts Industry Table

<table>
<thead>
<tr>
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<th>Scale</th>
</tr>
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<tbody>
<tr>
<td>Industry growth</td>
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</tr>
<tr>
<td>Fix (or storage) costs/value added</td>
<td>High</td>
</tr>
<tr>
<td>Intermittent overcapacity</td>
<td>High</td>
</tr>
<tr>
<td>Product differences</td>
<td>High</td>
</tr>
<tr>
<td>Brand identity</td>
<td>High</td>
</tr>
<tr>
<td>Switching costs</td>
<td>High</td>
</tr>
<tr>
<td>Informational complexity</td>
<td>High</td>
</tr>
<tr>
<td>Diversity of competitors</td>
<td>High</td>
</tr>
<tr>
<td>Exit barriers</td>
<td>High</td>
</tr>
<tr>
<td>Conclusion</td>
<td>Strong</td>
</tr>
</tbody>
</table>

Strong ♦ Weak
CHAPTER TWO
E-COMMERCE GENERAL CONSIDERATIONS

Overview

In a typical day-to-day business, there are many processes that must occur before a customer can take home a product purchased from a merchant. Many of these processes have very similar counterparts in an e-business environment. However, similar does not mean the same. This part presents important considerations to keep in mind before and during migration from an existing business to an e-business. Its intent is not to cover every possible business process that exists. Instead, the primary focus is on specific e-business issues that may not be apparent at first glance. Because every project is different, this discussion does not have the capacity to offer low-level methodologies on how to resolve each of these issues. Its purpose is only to save you some time and effort by presenting issues that you may have otherwise overlooked.

Many business owners are getting an Internet presence with their own web sites, but, in many cases, in a rush to do so, they may be wondering whether they're doing it right. A few years ago, a fair definition of a progressive company would be one with a web page. It didn't matter if
the site was nothing more than a copy of its brochure or even its letterhead. By today's standards, however, a site with little more than an address and phone number isn't very impressive.

To build an e-commerce for a MarocMart company, a Moroccan art & crafts' products retailer, we start out by asking questions that anyone considering putting up a web site should first ask: Why are we doing it? Who is going to be the audience? How important is an effective web site? How should we build our ideal store?

For many business owners, the answer to the "why" question often is nothing more complicated than just wanting to be able to say they have one. There are usually two reasons why people establish web sites. Web sites have become a key component in how people market themselves and in terms how they do business now. We can use a site just to provide information about the company, or we can also use it to conduct e-commerce (Boar, 1993).

Defining the objectives that the company is seeking by setting up e-commerce goals of the company's target audience and it is crucial to figure out what kind of web site to build.
Audience and Scope

"With whom do we do business?", "To what extent do we do business?" Both questions need to be answered as soon as possible to ensure the resulting e-business is feasible.

Business Types

They are two types of business:

Business-to-Business: Our customers are running their own businesses. Most likely, they know exactly what products they want, so they want to place their orders as quickly as possible and return to their own work.

Speed and Efficiency most important - Online catalogs specific to each business - Fast, easy-to-use navigation - Interface with other businesses existing processing systems.

Business-to-Consumer: In the case of business-to-consumer, we are selling products to customers who will personally use them. Therefore, our customers are not as pressed for time. In fact, they may not know exactly what they want when they first come to browse our virtual store. The most obvious first step is to have an attractive user interface. A few bells and whistles are always nice. However, be sure to balance
aesthetic appeal with functionality (no one likes to sit waiting for a page to load all of its images). In fact, most customers find functionality is what truly makes for a good shopping experience. Similar to business-to-business customers, business-to-consumer customers should be given personalization based on factors such as customer profiles, personal preferences, and buying patterns. This, together with other components such as easy site navigation and straightforward payment processing ensure that customers will return to your site for future purchases.

Geography

Most likely, our site will be accessible to anyone in the world who has an Internet connection. So the next question is whether we should conduct business as we normally would or take into consideration this vast new group of potential customers. If we opt for the latter, then we have to take in consideration those issues:

Language Support: Translations in all areas of shopping experience or just some - Multilingual support of customer service

Currencies Across Countries: Currency fluctuations - Currency conversions - Support for Euro - Pricing in local currency or U.S. dollars
Taxation by Country: Sales, value added tax, excise, national, local, duties, customs - Possibility for tax exemption

Shipping Practices Across Countries: Varying shipping charges by country - Shipping range limitations

Products: Different product lines by country - Product price calculation and display by country

Customization of Merchandising Strategy by Country: Use of color, images, and graphics by country - Advertising perceptions by different cultures

Miscellaneous: International privacy laws (what information can be requested of consumers by country) - Encryption usage by country - Single-byte versus double-byte coding.

Shops or Mall

Considering our existing product line, the questions to ask are: Do all of our products belong to the same category, or do they differ widely? Perhaps because of physical or financial constraints, our store seems more like multiple stores, only under the same roof. With an e-business, though, these constraints are much less stringent. It is therefore possible to set up an online mall consisting of multiple stores that would seem more logical to the shopper.
• Logic of product line (all the same or differ widely)
• Individualism (look and feel) of each store in a mall
• Complication of handling multiple processes for multiple stores.

Competitors
• Global range of competitors
• Quality of service and products to differentiate ourselves from others
• Online or offline.

Business
Now that we have defined the makeup of our audience, we must examine how they will interact with our business.

Shoppers
From a shopper’s viewpoint, the basic store procedures are very similar for both a physical store and a virtual store. Thus in both cases, shoppers will typically enter the store, browse through the inventory, select a product, engage in a checkout process, and leave the store.

However, there are some specialized shopping issues that require specific considerations.
Registered

- Regular shopper
- Personal information retained in database
- Receive discounts and other promotional offers
- Personalization of shopping experience

Guest

- One-time-only shopper
- Personal information entered only for purchase, then deleted
- No promotional offers or personalization available.

Products

For the most part, the products we sell in our existing business will not change when we migrate to an e-business. The only aspect that changes is how the products are sold. However, there are a few issues that we should at least briefly consider before putting our products for sale online.

Pricing. A product can have multiple prices associated with it, depending on factors such as sales, discounts, and taxes. It is up to the store administrator to decide the best way to handle these prices. For sales, it must be determined whether to store two different prices in the database for each sale product (for example,
regular price: $10, sale price: $8) or to have a set deduction amount (for example, $2 deduction on sale items).

There must also be some mechanism to cause sales to expire at some future time. For discounts, it must be determined whether to have discount by quantity (for example, $5 off the total if you buy 10 widgets), discount by customer (for example, registered customers get a 5% discount on widgets), discount by category (for example, 10% off all widgets in this category), or some combination of discounts (for more information, refer to the chapter entitled "Discounts" in

- Sale prices and their expirations
- Discounts by quantity, customer, or category
- Inclusion of tax in product price issue

Entire or subset of product line for online sale. The next question is whether to put up for sale online our entire existing product line or only a subset of it. This is an especially important consideration because we decide to keep our existing business operating in addition to our e-business. Perhaps certain products in our inventory appeal to a global audience, whereas others only appeal to a local audience. Or perhaps there are too many online competitors for a certain product, so it would only make
sense to sell that product in our physical store. Or perhaps certain products would just not make sense to sell online.

**Marketing Policy**

Our Marketing policy is based on the following points:

Engaging, entertaining graphics and features will keep a visitor coming back to a site again and again. Those that come to us want to approach their web site as a creative extension of their marketing strategy.

One of our philosophies is we can't underestimate the importance of entertainment value. If we have an engaging site that feeds the viewer through in a way that's easily navigable, where they'll understand more, they will repeat visit more often. They'll want to see what's new.

Design the site in a modular fashion so changes can be easily made. This allows us to change a price or item description, for example, without redesigning the entire site.

Keep it simple. The most important aspect of a web site is the ability for people to actually open it, which entails several things.
Don't get too fancy with graphics. Complicated graphics often take longer to load. And in the instant access world of the Internet, time is definitely money.

Provide enough information about our company or product on the first page that opens so visitors don't need to search around too much. That means including a name, address, telephone number and contact person. At the very least, provide a contacts button or link.

Take a look at our new site on different browsers and on computers with different resolutions. Again, the site may look great on our computer through Netscape, but someone using Internet Explorer may not see it quite the same.

Try to get the least common denominator so it looks great for everybody. Ease of navigation. Most important, an effective site must be easily navigable. Something that's user-friendly where the visitor to the web site can readily find his or her way around without having to go deep into many layers or to do huge amounts of scrolling. Common requests these days are less design-oriented, focusing more on functional elements that make it easier for a customer to buy products, such as shopping carts that are easily interfaced with real-time credit card processing.
The trend has been toward making web sites more functional while developing a blend of graphics with a quick download time. That's becoming easier with newer technologies and multimedia web development tools that weren't available two years ago, such as macromedia flash and animation.

Build our plan on this premise: Our existing business processes should fit our e-commerce solution - rather than being forced to change - and our solution should support incremental implementation as we extend your business on the web over time. Keep it friendly and attractive.

The architecture of our web commerce system should blend a high-performance hardware platform with full-featured e-commerce software. The overall infrastructure needs to deliver sufficient speed, availability, reliability and redundancy to handle multiple simultaneous transactions and ensure that customers can access the information they seek with minimal waiting. Design in the extensibility to accommodate system and business growth as site traffic increases and more products or services are added.

Bear in mind that the actual commerce site development can be outsourced if expertise, resources and time aren't available in-house. If we adopt the
do-it-ourselves approach, use off-the-shelf applications as much as possible to minimize internal development costs and to maximize flexibility and scalability as our business grows.

To engage the interest of potential customers, we have to populate the site with dynamic content, such as pictures and graphic images of the items we want to sell, and make sure it's easy to navigate. Success also hinges on promoting this new dimension of our business. In the online world, people don't just pass by our storefront. To lure a steady stream of visitors to our commerce site, register with popular web search engines, such as AltaVista, Lycos, GoTo, MSN web Search and Info seek. To move existing customers to this new model, we will reach them via more traditional means and offer them incentives to explore.

But remember that we're not just selling products but also building customer relationships, so we want to make sure that our site is secure and has access to site-traffic-analysis tools, e-mail, and other methods to develop that interaction. An appealing site design is important, but what happens behind the scenes can be even more critical. Take a close look at how easily we can set up a catalog and track inventory — and how much the
service charges for selling additional products. Order processing also merits attention: Automatic tax, shipping, and discount calculations are highly desirable as are automatic e-mails to customers that confirm orders and fulfillment.

Payment Processing

In the existing business, payment processing most likely is straightforward. Customers simply pay for products at the cashier, using various forms of payment, and when payment is approved, the purchase is completed. In an e-business, however, payment processing is a bit more complicated.

Cash or Check Acceptability

First of all, payment methods in an e-business are restricted. Cash or checks are difficult to implement because there is no physical cashier to accept payment in these forms. It is definitely possible to have payments sent by mail or to pay on delivery, but then order processing is delayed until all payments are verified and extra charges are often added. There are also digital payment formats that we can take in consideration, specific to electronic commerce. This payment option, however, is restricted to whether or not the format is
supported on both the e-business side and the customer's side.

Credit Card

Credit cards seem to be the most efficient means of online payment. With credit cards, there is also a question of whether to do authorization online or offline. We will do it online, so the shopper is notified of any authorization problems during the current shopping session and therefore can take immediate action. There are two major types—authCapture and authOnly.

In both types, the credit card is first authorized. We will choose the authCapture (assuming the credit card is approved), where the payment is immediately transferred from the shopper's account into our e-business account, and payment is complete. Also we will use Link Point API. It utilizes the secure socket layer and it accepts credit cards by checking first if the card has been reported stolen and then verifying the customer's address, name, and zip code.

Shipping Costs

Another aspect of payment processing is shipping costs. In regular businesses, our customers most likely carry their purchases out the door themselves. An e-business, though, is similar to a mail order business
where shoppers could be on the other side of the world, in which case the appropriate shipping costs must be calculated and added to the total. It is important to let the shopper know the shipping cost at the time of checkout.

Security

In an e-business, global accessibility is the norm. Therefore, security is of extreme importance to ensure that both the customer and the business are not affected adversely.

Customer Security

In a typical online shopping experience, customers often release sensitive information such as their home address, home phone number, and credit card number. By doing this, they are nonverbally stating that they trust us to handle this information with utmost confidentiality. Without a reasonable sense of security, it would be foolish for anyone to make transactions online. The most common way to create a secure environment is by using the SSL protocol to encrypt sensitive data that is being transmitted from the shopper.

This method of security has become so prevalent that every major browser now supports SSL sessions. However,
the e-business still has responsibilities to fulfill before it can implement this type of transaction. First, a certificate must be received from an established certification authority. Also, SSL keys (both public and private) must be generated. Finally, relevant organizations such as your resellers must be alerted and updated with this information. SET is another security protocol that is in widespread use.

**E-Business Security**

Just as significant as customer security is our e-business security. After all, if our environment is not secure, how can we guarantee that our customer’s environment will be secure? The first security issue that most people think about is hackers. What is the best way to keep sensitive data away from people who are out to damage it? One way is to set up a firewall between the world and our most sensitive data—namely the contents of our database. It is also imperative to limit accessibility to our intranet or servers from outside locations. For example, telnet and ftp services should virtually be eliminated once our e-business is up and running.

Another consideration is to have a mechanism for safeguarding your important data, such as source code or project plans. In this maze of technical security, it is
easy to overlook something as simple as physical location. Thus, hardware such as servers, systems that have access to servers, and database storage devices should be kept in a physically secure area that is only accessible by a select few. But preventive security can only go so far. There must be other mechanisms to protect our e-business once it goes live. One possible way is to constantly monitor all network and system activity and log any unusual behavior. In the worst case, a breach in security could cause all systems to fail. In these situations, we need a backup mechanism that can be used to restore our e-business to working order.

Order Processing

Our current business is a typical walk-in store; our customers perform the majority of order processing. Basically, they enter the store, browse through our inventory, pick up items they want, and proceed to check out by paying the cashier. In an e-business, order processing is more like a mail order company: inventory must be checked, shipping providers must be contacted, customers must be notified, and many related events must occur. Thus, the process required to fulfill a customer order has many considerations.
When an order is placed, the customer expects the order to arrive in a reasonable amount of time. But what if the customer orders a product that is out of stock? This is an inventory handling issue that needs to be addressed. One possibility is to have a mechanism to send out low inventory warnings. If, for instance, the inventory of widgets dwindles to five units, an alert should be sent out requesting more to be manufactured or acquired.

An alternative would be to allow back orders. Thus, if an order is made for a product that has zero units in stock, the system should recognize this and warn the shopper. The shopper should be given the option of back ordering the item (realizing delivery will be delayed), selecting another comparable product or canceling the order. Another helpful fix would be to limit the maximum number of a particular item that a shopper can order. By doing this, more customers would be able to have access to a specific product, especially products that are in high demand.
Requirement Phase

The requirements phase is perhaps the most important phase of the entire project plan. After all, it is the foundation upon which all of the other phases are built and developed. There are two major types of requirements: functional and technical.

Functional Requirements

Functional requirements refer to all of the business requirements that the customer expects to be met in the finished online store (Hussain & Hussain, 1998). This process is an iterative one. Therefore, multiple meetings and interviews may be necessary to ensure all details are documented and agreed upon before proceeding to the next step.

The first step is developing a functionality hierarchy. Here, the question “What should the application do?” does apply. This is the crux of the entire functional requirements gathering process. It involves breaking down the highest-level functionality of the application into more discrete functional units. Each unit should represent a single business process such as “log on registered user” or “validate credit card.” The final goal is for these units to be grouped into a logical hierarchy that completely defines the online store’s functionality.
This involves checking them against the business objectives established earlier and deciding if they further, hinder, or have no effect on them. Only those that advance business objectives should be retained. When particular ideas are approved, the facilitator should lead the team in translating them into functional units. Eventually, a comprehensive list of these units' results, and the team can begin constructing the hierarchy. Constructing the hierarchy basically involves grouping similar functions together to produce higher-level functions.

**Technical Requirements**

Technical requirements consist of the low-level requirements that are needed for the application's development (Hussain & Hussain, 1998). These requirements can act in two ways. First, they can be constraints that are placed on the proposed application. For example, one technical requirement might be that the only development platform supported is Windows NT. Second, they can be additional features that the client wants. For example, the client may want a sound file to play when the shopper enters the site. These requirements can actually be further divided into categories such as hardware, software, and user interfaces.
The question is what should be done with these existing business processes when we migrate to an e-business. The first approach is to create interfaces between our e-business systems and our existing systems.

A recommended configuration for our e-commerce solution is three servers - essentially, high-end PCs - one to host the necessary web server and commerce server applications, a second dedicated to a distributed database and a third that acts as a mirror for backup protection in the event of a system failure. Many small businesses, however, run on a single server to minimize hardware costs. To do credit card transactions a business also must put security protocols in place and establish a relationship with a bank that supports online credit card authorization.

We will also need a workstation or a computer with appropriate capacities and that supports servers (web server and e-commerce server), and an ERP or a mainframe.

In addition, we may need:

- Web Design Software: Graphic Design (PhotoShop, Illustrator, ...), ASP (Active Server Pages), HTML Authoring Tools, Flash, ...

- Miva Merchant Software (Link Point API, Shopping Cart)
• Firewalls, Cookies Crushers, VirusMD,...
• Browsers, E-mail Capability, Networking, Credit Card Payments,...
CHAPTER THREE
UNDERSTANDING APPLICATION
SERVICE PROVIDER

Application Service Provider Definition

ASP (Application Service Provider) provides applications - and all the IT infrastructure and support services necessary to deliver them - to customers on a subscription basis (Stair, 1998). ASPs typically host applications at a remote data center and deliver them to customers via the Internet or a private network.

This definition, however, obscures some of the complexity found in today's ASP marketplace. For example, while some ASPs have the internet resources to provide all the services necessary to deliver applications to customer, other provide only some of these services - such as application or network management - and work with complementary partners to deliver complete solutions to customers. In fact, some independent software vendors also operate as ASPs by partnering with companies that provide the necessary application delivery, support and network management services.
Application Service Provider Services

Dataquest defines an ASP as a vendor who delivers pre-configured, template-based software over an IP network using a subscription (rental pricing) contract. Typically, the contract includes the associated services and maintenance of software deployment: support, upgrades, hardware service and so on. An ASP could offer a single business application (for example, a human resources application), or a complete suite of applications (for example, Accounts Payable, Accounts Receivable, General Ledger and so on).

Because ASP software is HTML-based, the end-user interacts with remotely managed applications using a web browser on an anytime, anywhere basis. This availability and adherence to common coding standards are two of the factors prompting organizations to migrate to this strategy. Because ASP customers pay only for the "time they use", the cost savings are dramatic. Lower costs, higher availability and dependable bandwidth all make the ASP model an attractive alternative to traditional development plans.

ASPs offer different applications, different levels of service and different market specialization.
Organizations need to match their exact requirements with an ASP that can fulfill these requirements. According to a recent Dataquest study, the services offered by a well-founded ASP include:

Collocation: The ASP hosts an organization's servers and applications and is responsible for all associated costs (power, lights, network bandwidth, physical site security).

Web Hosting: The ASP provides shared or dedicated servers and applications and is responsible for the day-to-day operations, maintenance and security of the web site.

Applications Hosting: The ASP houses shared or dedicated servers and applications and is responsible for the day-to-day operations and maintenance of the applications, including upgrades.

A full-service ASP combines each of these broad services, melding them into a single suite of services that allow an organization to articulate its customization or database requirements, and then monitors the expected results. The physical site, application and management of the network remain the responsibility of the ASP.
Application Service Provider Benefits

The ASP model presents large and small organizations with multiple options for how they procure, pay for and implement their business applications. ASPs level the playing field for small to medium sized businesses that can now easily integrate sophisticated, high-end applications into their business plans at a fraction of the cost or time of in-house or outsourced development. ASP clients gain access to best-of-breed application software and find that they can provide their customers with sophisticated, dependable business solutions at a fraction of the typical cost.

One indication of the value provided by ASPs to businesses is the rate of growth seen in the ASP industry. Dataquest estimates that worldwide ASP service revenue reached $3.5 billion in December 2000. They predict the market will grow to $25.3 billion by the end of 2004, a staggering growth rate of 90% a year (U.S. Industry & Trade Outlook, 2000). Some benefits of ASP are:

Lower Development Costs: There are no upfront costs to the customer (the "renting" company). The ASP bears all upfront costs, including those for the software, hardware, network infrastructure and IT staff.
required to support the application. Given the chronic shortage of IT resources, this outsourcing allows corporations to capitalize on existing talent while avoiding the cost of recruiting, training and retaining a workforce themselves.

Lower Deployment Costs: There are no support, maintenance or capital costs associated with deploying new applications. This means fewer risks, fewer management requirements and faster deployment. Deployment costs are further lowered by the fact that the company pays only for what it uses and that it has no need to partner with multiple software vendors, hardware vendors, outsourced maintenance, data-base hosting sources and so on.

Faster Deployment: Because an ASP uses designated applications and hardware to create unique business solutions, it deploys these solutions in less time than an in-house IT department that deals with a broader, less focused range of technologies.

Reduced Total Costs of Ownership: For companies that rent software, total cost of ownership becomes predictable and much lower than it would be otherwise. Rental charges remain consistent month after month. There are no unforeseen development, upgrade or maintenance
costs. Organizations can thus project a known total cost of ownership throughout the life of the project.

**Higher Return on Investment:** A predictable cost model allows organizations to amortize their costs over a longer period, resulting in a higher ROI. Without worry over additional software and hardware, license fees and copyright laws, management costs are included as part of the monthly rental fee.

**Faster Dependable Applications:** web-native applications designed specifically for the Internet prove more reliable than web-enabled client/server applications. The native code allows the application to take advantage of the web’s inherent speed, reliability and ability to quickly come to market. Security uses advanced authentication, firewalls and encryption.

### Choosing an Application Service Provider

A successful ASP is one that provides a wide choice of applications that can easily be customized and delivered over the Internet at near-desktop performance. They are five key criteria that businesses should take into account when evaluating an ASP solution:

1. Trustworthiness
2. Quality of service
3. Responsiveness
4. Scalability
5. Extractability

It is recommended that prospective ASP customers ask the following types of questions about these criteria before engaging in a relationship with an ASP.

Trustworthiness:
- Can the ASP be trusted to live up to its commitments?
- Is its business financially and operationally stable?
- What is the ASP’s reputation in the industry?
- What security tools and methodologies does it use?

Quality of service:
- Can the ASP guarantee availability of applications?
- Can the ASP guarantee required minimum performance standards?

Responsiveness:
- During implementation, does the ASP client deal with an automated provisioning system, a sales person or a project manager?
- How does the ASP handle customer requests?
- Does it have the necessary helpdesk systems, procedures and staffing?
- What escalation procedures are available if something goes wrong?
How much control does the ASP client have over the final shape of the application?
What are the procedures for changing, adding to or upgrading applications?
Are administrative procedures in place for adding or modifying users, handling payment and other enquiries?

Stability:
What access does the ASP have to spare capacity?
What are its development plans?
Can the ASP offer additional functionality or higher levels of service if the client’s needs change in the future?
Can the ASP integrate existing services with other applications as the client’s use of online computing expands?

Extractability:
How difficult is it to terminate a relationship with the ASP if client business objectives change?
Are procedures in place to recover client data?
If the configuration isn’t portable to another ASP, what is the cost of rebuilding the business logic that is been implemented?
When we talk about a database, we refer to a collection of mutually related data, to the computer hardware that is used to store it, and to the programs used to manipulate it. By mutually related we mean that the data represents knowledge about a specific enterprise. The data should be organized so that it can be processed to yield information. The organization of the data in a database has to represent the underlying meaning or semantics of both the organization’s data and its business rules correctly and efficiency. In order to avoid any troubles, redundancy and/or anomalies, the database must be normalized (Kauffman, 1999).

There are seven major tables. The Customers table maintains the customers’ information including customer first name, last name, complete address, phone number and email address. It also contains the login information: Login name and password. The Orders table keeps each order transaction detail including number of the order, customer ID,... The Products table provides detail information of each individual product such as name, description,
dimensions, and price. This information includes stock quantity, and reorder point. The Suppliers table maintains all suppliers information such as name, address, email address, phone number. The shopping cart table contains information such as shopping ID, customer ID, Product ID, Quantity, price. The Contact us table maintains the name and email address of customers and their message. The product category table contains the category ID and it’s description. The Employees table keeps employees’ information, such as social security number, name, and hire date.

In this section, the entry-relationship, or E-R diagram, diagram will be developed. It provides the detail information for each table, their relation between them. The data dictionary, which shows the detail, such as key fields, variable types, and length of each field in each table, will also be developed.
Figure 1.
MarocMart E-R Diagram
### Table 6.

**Customers Table**

Customers Table: contains customers’ information.

<table>
<thead>
<tr>
<th>Field Name</th>
<th>Type</th>
<th>Size</th>
<th>Description</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>CusID</td>
<td>INT</td>
<td></td>
<td>Customer ID</td>
<td>Key Field</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- System Generate Unique Number</td>
<td></td>
</tr>
<tr>
<td>FirstName</td>
<td>VARCHAR</td>
<td>40</td>
<td>Customer’s First Name</td>
<td></td>
</tr>
<tr>
<td>LastName</td>
<td>VARCHAR</td>
<td>40</td>
<td>Customer’s Last Name</td>
<td></td>
</tr>
<tr>
<td>Street</td>
<td>VARCHAR</td>
<td>20</td>
<td>Street Address</td>
<td></td>
</tr>
<tr>
<td>City</td>
<td>VARCHAR</td>
<td>20</td>
<td>City Address</td>
<td></td>
</tr>
<tr>
<td>State</td>
<td>VARCHAR</td>
<td>10</td>
<td>State</td>
<td></td>
</tr>
<tr>
<td>ZipCode</td>
<td>VARCHAR</td>
<td>15</td>
<td>Zip Code</td>
<td>- Null</td>
</tr>
<tr>
<td>Country</td>
<td>VARCHAR</td>
<td>20</td>
<td>Country</td>
<td></td>
</tr>
<tr>
<td>PhoneNo</td>
<td>VARCHAR</td>
<td>15</td>
<td>Customer’s Phone Number</td>
<td></td>
</tr>
<tr>
<td>Email</td>
<td>VARCHAR</td>
<td>25</td>
<td>Customer’s Email Address</td>
<td></td>
</tr>
<tr>
<td>LoginName</td>
<td>VARCHAR</td>
<td>15</td>
<td>Customer’s Login Name</td>
<td></td>
</tr>
<tr>
<td>Password</td>
<td>VARCHAR</td>
<td>15</td>
<td>Customer’s Password</td>
<td></td>
</tr>
<tr>
<td>Admin</td>
<td>VARCHAR</td>
<td>2</td>
<td>Admin</td>
<td></td>
</tr>
</tbody>
</table>

### Table 7.

**Orders Table**

Orders Table: contains orders’ information.

<table>
<thead>
<tr>
<th>Field Name</th>
<th>Type</th>
<th>Size</th>
<th>Description</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>OrderID</td>
<td>INT</td>
<td></td>
<td>Order ID</td>
<td>Key Field</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- System Generate Unique Number</td>
<td></td>
</tr>
<tr>
<td>OrderNumber</td>
<td>INT</td>
<td></td>
<td>Order Number</td>
<td></td>
</tr>
<tr>
<td>CustomerID</td>
<td>INT</td>
<td></td>
<td>Customer ID</td>
<td>Foreign Key</td>
</tr>
<tr>
<td>Price</td>
<td>Money</td>
<td></td>
<td>Total per Order</td>
<td></td>
</tr>
</tbody>
</table>
### Table 8.

**Products/Orders Table**

Products/Orders Table: links Products and Orders table.

<table>
<thead>
<tr>
<th>Field Name</th>
<th>Type</th>
<th>Size</th>
<th>Description</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>OrderID</td>
<td>INT</td>
<td></td>
<td>Order ID</td>
<td>Composite Key</td>
</tr>
<tr>
<td>ProdID</td>
<td>INT</td>
<td></td>
<td>Product ID</td>
<td>Composite Key</td>
</tr>
<tr>
<td>Quantity</td>
<td>INTEGER</td>
<td></td>
<td>Quantity of the Product in the Order</td>
<td></td>
</tr>
</tbody>
</table>

### Table 9.

**Products Table**

Products Table: contains products’ information.

<table>
<thead>
<tr>
<th>Field Name</th>
<th>Type</th>
<th>Size</th>
<th>Description</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>ProductID</td>
<td>INT</td>
<td></td>
<td>Product ID - System Generate Unique Number</td>
<td>Key Field</td>
</tr>
<tr>
<td>SupID</td>
<td>INT</td>
<td></td>
<td>Supplier ID</td>
<td>Foreign Key</td>
</tr>
<tr>
<td>Name</td>
<td>VARCHAR</td>
<td>50</td>
<td>Product Name</td>
<td></td>
</tr>
<tr>
<td>Description</td>
<td>TEXT</td>
<td></td>
<td>Description of the Product</td>
<td>Memo Field</td>
</tr>
<tr>
<td>Description</td>
<td>TEXT</td>
<td></td>
<td>Description of the Product</td>
<td>Memo Field</td>
</tr>
<tr>
<td>Category</td>
<td>VARCHAR</td>
<td>15</td>
<td>Product Category</td>
<td></td>
</tr>
<tr>
<td>Price</td>
<td>MONEY</td>
<td></td>
<td>Sale Price per Unit</td>
<td></td>
</tr>
<tr>
<td>UnitsAvailabal</td>
<td>INTEGER</td>
<td></td>
<td>Current Quantity in Stock</td>
<td></td>
</tr>
<tr>
<td>MinLevel</td>
<td>INTEGER</td>
<td></td>
<td>Minimum Quantity of the Stock Before Reorder</td>
<td></td>
</tr>
</tbody>
</table>
Table 10.

Suppliers Table

Suppliers Table: contains suppliers' information

<table>
<thead>
<tr>
<th>Field Name</th>
<th>Type</th>
<th>Size</th>
<th>Description</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>SupplierID</td>
<td>INT</td>
<td></td>
<td>SupplierID</td>
<td>Key Field</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- System Generate Unique Number</td>
<td></td>
</tr>
<tr>
<td>SupplierName</td>
<td>VARCHAR</td>
<td>40</td>
<td>Supplier Company’s Name</td>
<td></td>
</tr>
<tr>
<td>Street</td>
<td>VARCHAR</td>
<td>20</td>
<td>Street Address</td>
<td></td>
</tr>
<tr>
<td>City</td>
<td>VARCHAR</td>
<td>20</td>
<td>City Address</td>
<td></td>
</tr>
<tr>
<td>State</td>
<td>VARCHAR</td>
<td>10</td>
<td>State</td>
<td></td>
</tr>
<tr>
<td>ZipCode</td>
<td>VARCHAR</td>
<td>15</td>
<td>Zip Code</td>
<td>- Null</td>
</tr>
<tr>
<td>PhoneNumber</td>
<td>VARCHAR</td>
<td>15</td>
<td>Supplier’s Phone Number</td>
<td></td>
</tr>
<tr>
<td>Email</td>
<td>VARCHAR</td>
<td>25</td>
<td>Supplier’s Email Address</td>
<td></td>
</tr>
</tbody>
</table>
Table 11.

Employees Table

Employees Table: contains employees’ information

<table>
<thead>
<tr>
<th>Field Name</th>
<th>Type</th>
<th>Size</th>
<th>Description</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>EmplID</td>
<td>INT</td>
<td></td>
<td>Employee ID</td>
<td>Key Field</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- System Generate Unique Number</td>
<td></td>
</tr>
<tr>
<td>SSN</td>
<td>VARCHAR</td>
<td>11</td>
<td>Social Security Number</td>
<td></td>
</tr>
<tr>
<td>FirstName</td>
<td>VARCHAR</td>
<td>40</td>
<td>Employee’s First Name</td>
<td></td>
</tr>
<tr>
<td>LastName</td>
<td>VARCHAR</td>
<td>40</td>
<td>Employee’s Last Name</td>
<td></td>
</tr>
<tr>
<td>Street</td>
<td>VARCHAR</td>
<td>20</td>
<td>Street Address</td>
<td></td>
</tr>
<tr>
<td>City</td>
<td>VARCHAR</td>
<td>20</td>
<td>City Address</td>
<td></td>
</tr>
<tr>
<td>State</td>
<td>VARCHAR</td>
<td>10</td>
<td>State</td>
<td></td>
</tr>
<tr>
<td>ZipCode</td>
<td>VARCHAR</td>
<td>15</td>
<td>Zip Code</td>
<td>- Null</td>
</tr>
<tr>
<td>Country</td>
<td>VARCHAR</td>
<td>20</td>
<td>Country</td>
<td></td>
</tr>
<tr>
<td>PhoneNo</td>
<td>VARCHAR</td>
<td>15</td>
<td>Employee’s Phone Number</td>
<td></td>
</tr>
<tr>
<td>Email</td>
<td>VARCHAR</td>
<td>25</td>
<td>Employee’s Email Address</td>
<td></td>
</tr>
<tr>
<td>LoginName</td>
<td>VARCHAR</td>
<td>15</td>
<td>Employee’s Login Name</td>
<td></td>
</tr>
<tr>
<td>Password</td>
<td>VARCHAR</td>
<td>15</td>
<td>Employee’s Password</td>
<td></td>
</tr>
<tr>
<td>HiredDate</td>
<td>SMALL DATETIME</td>
<td></td>
<td>Employee’s Hired Date</td>
<td></td>
</tr>
</tbody>
</table>

Website

MarcMart.com website is composed of two parts. The first one is the admin website and the second one is the main website.
Admin Website

This site cannot be viewed by outsiders or customers. Only employees who can modify or view significant information can access this site. Employees can change product, customer, order, supplier, and information from this site without going to the database. They are also permitted to check email online from this website.

To access this site the employee must login first by giving his/her login name and password. The system checks those information in the database. If they are correct, then the employee will be logged into the Population Tools page where he/she can choose an option.
From this page the employee can choose the action that he/she wants to do. For example he/she can click on the products option to make add product. Also For security purposes, this site has its different directory that is different than the directory of the main website.
Main Website

Everyone can access the MarcoMart.com main website. He/she can browse the categories, obtain product information, register in order to buy the products, purchase the products online, and send a comment or email to the company. Also he/she can check the customer service page or Morocco page.
Before entering the MarocMart Home page the customer will go through a welcome page.
Figure 5.
Welcome Page

In order to go to the home page customer must click on the magic lamp image.
Figure 5.

Home Page (1)

Figure 6.

Home Page (1)
The home page is composed from five parts. In the top part there is the logo of the company and the navigation bar. In the left site the local navigation bar, it presents different categories of products. In the right site there is new products advertising. In the bottom there is the footer which contains text links to the other pages. And in the middle of the page there is the welcome message.
Customers can click on one of the category links to check the subcategories offered in each category and read about it.

Figure 8.
Pottery Crafts Page

![Pottery Crafts Page](image)

After that they can click on any subcategory presented at the left of the page to view the products.
Once customers are interested in any product they can click on the See Larger Picture link to see the product in larger image. Then, they can make an order by clicking on the Add to Shopping Cart link as shown in figure 9.

When customers click on the Add to Shopping Cart link they will be able to see their product selection and also be able to select the quantity they want. Once customers decide to buy the product by clicking on the Add to cart button, they will be lead to the shopping cart page as
seen in Figure 10. In this page, customers have a chance to increase, decrease quantity of an item and remove any product from the shopping cart. The system will retrieve required information from the database. It will calculate the price of the order, and shows the total price to the customer. Then, they can select to continue shopping or check out.

Figure 10.
Shopping Cart Page

![Shopping Cart Page](image_url)
In case customers decide to continue shopping, they will be forwarded back to the home page again to browse the categories. This will give them the opportunity to add other articles into their shopping cart.

On the other hand, if customers choose to check out they will be asked to provide the credit card information.

Figure 11.
Credit Card Information Page

By typing the information, and pressing the Create Account button, customers hereby authorize all expenses associated with their accounts. The system will send the
total amount of the order to the customer account and credit this amount to company's account. These subsystems need to connect with outside companies, such as a merchant company, credit card company, and/or a company's bank. Once the credit transaction is confirmed, the system will print the receipt to customers, and to company’s accounting department. The order will be recorded into the database and a thank you page will be showed.

Figure 12.
Thank You Page
The system will not allow customers to access the shopping cart until they login.

Figure 13.
Message Page

To login to the system, customers have to click on the Your Account button in the navigation bar. For the return customers, they need to provide a correct login name and a password. Customers can click on the link given in the bottom of the page if they forget their login name, and/or password.
When customers enter their login information, the system will check them and a welcome page will be showed.
In case of new customers, they must create a new account by clicking in the New User link. They will be asked to fill out all the information, and choose a different login name if the one they choose already exists. Also for security issues they will be asked to type the password two times. When the information is confirmed, the system will add the information to the database, which will be used in the subsequent processes.
Once the customers type the required information, a confirmation page will be showed.
Welcome ere!

You have just registered.

Please continue browsing our website.

OK

Customers can also check the customer service section by clicking on the Customer Service button in the navigation bar.
Customers can select an option. For example, the figure 19 shows return products policy page.
Return Policy

It is no secret that e-commerce is still in its embryonic stage. We realize that not everyone is comfortable with purchasing items online, especially items where the feel, smell, and the up-close examination of the object are critical parts of the purchase process. We expect many of our customers not to be familiar with our type of merchandise and do not necessarily know what to expect.

MarocMart is committed to achieving total customer satisfaction. If you are not satisfied with your purchase for any reason, simply return the item within 30 days of receipt in original condition for a full refund of the purchase price. We will notify you via e-mail of your refund once we have received the returned item.

An extended 60 days money back guarantee, when specificed, is available on our high end and antique merchandise. This extended guarantee is designed for our Antique items to allow for ample time for appraisal and authentication.

Please note that we can refund shipping costs as well only if the return is a result of our error. If an item is

Customers can also send any comments they have to MarocMart by clicking on the Contact Us link.
The website provides also information about Morocco by clicking on the Morocco link in the navigation bar.
Customers can enjoy the discovery of Morocco by clicking in one the links presented in the left side of the Morocco page. For example, the figure 22 shows the economic data page.
Figure 22.
Economic Data Page

Agriculture:
There are 8 million hectares of arable land, 1 million of them irrigated. The main crops are cereals, pulses, vegetables and fruits including citrus, industrial crops, olives, almonds and vineyards.

Livestock:
There were 21.8 million head of cattle, sheep and goats in 1999. With a coastline 5,500 Km long, Morocco has a high fisheries potential. In 1999, production was 727,000 tons for domestic consumption, export and the processing industry.
CHAPTER FIVE
CODING AND PROGRAMMING PROCESS

For this project, we use the ASP code. ASP (Active Server Pages) is a technology developed by Microsoft. Pages using ASP are developed in JavaScript, VBscript, or Perlscript and are integrated into the HTML of the web pages. The ASP code is compiled by the server and the resulting output is standard HTML. By using ASP, web pages can be dynamic, full of ever-changing content, and browser independent (Buser et al., 1999).

Working with an active service pages (ASP) offers a number of valuable business benefits. These benefits include the potential to reduce information technology costs by 30 – 60%, reduced time to market for few products and services, and more effective allocation of scarce IT and staff resources.

There are forty-two main pages in the main website, and fourteen pages in the admin website. The pictures are grouped in a separate field. After the programming code has been generated, the application will be tested to make sure that the program will operate without any problems in the real situation. The codes of every web page are provided in the following appendix.
APPENDIX

ACTIVE SERVER PAGES

SOURCE CODE
ACTIVE SERVER PAGES SOURCE CODE

Main Website Programming Code

Default.asp

<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=windows-1252">
<meta name="GENERATOR" content="Microsoft FrontPage 4.0">
<meta name="Progld" content="FrontPage.Editor.Document">
<title>MarocMart_Default</title>
</head>

<style>
.fly {
  font-family: arial;
  font-size: 27px;
  color: #FF9900;
  position: absolute;
  visibility: hidden;
  z-index: 2;
}

.logo {
  font-family: times;
  font-size: 30px;
  color: #ff0000;
  position: absolute;
  top: 1000px;
  left: 350px;
  visibility: visible;
  z-index: 1;
}

.desc {
  text-align: center;
  font-family: arial;
  font-size: 12px;
  color: #ff0000;
  position: absolute;
  top: 220px;
  left: 100px;
}
Welcome to MarocMart!!!&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp; Lets discover the treasure of Morocco!!!&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp; Please click on the magic lamp!!!&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;
function slideLogo(from, to) {
    if (from < to) {
        company.top = (from += 3);
        setTimeout('slideLogo(' + from + ', ' + to + ')', 100);
    } else initObjects();
}

/* Rotate selected objects */
function rotateObjects() {
    for (var i = 0; i < pos.length; i++) {
        pos[i] += inc; objects[i].visibility = 'visible';
        objects[i].right = (r * Math.cos(pos[i])) + xoff;
        objects[i].top = (r * Math.sin(pos[i])) + yoff;
    }
    rotateTimer = setTimeout("rotateObjects()", 100);
}

/* Initialize selected objects for rotation */
function initObjects() {
    objects = new Array(fly1, fly2, fly3, fly4, fly5, fly6, fly7);
    pos = new Array();
    pos[0] = 0;
    for (var i = 1; i < objects.length; i++) {
        pos[i] = parseFloat(pos[i - 1] + ((2 * pi) / objects.length));
    }
    rotateObjects();
}

/* Variables for rotating objects */
var objects;
var pos;
var r = 210;  // radius
var xoff = 200;  // x offset
var yoff = 200;  // y offset
var pi = Math.PI;  // get pi
var inc = pi / 180;  // degrees per rotation cycle
var objects;  // objects to be rotated
var pos;  // position for objects
<SCRIPT LANGUAGE="JavaScript">

/* Simple version detection */
var isNS = (navigator.appName == "Netscape" && parseInt(navigator.appVersion) >= 4);

/* They can be used in place
of hidden and visible because on occasion Navigator has problems with the two */
var HIDDEN = (isNS) ? 'hide' : 'hidden';
var VISIBLE = (isNS) ? 'show' : 'visible';

/* Create shortcut variables for different absolutely positioned elements */
var fly1 = (isNS) ? document.fly1 : document.all.fly1.style;
var fly2 = (isNS) ? document.fly2 : document.all.fly2.style;
var fly3 = (isNS) ? document.fly3 : document.all.fly3.style;
var fly4 = (isNS) ? document.fly4 : document.all.fly4.style;
var fly5 = (isNS) ? document.fly5 : document.all.fly5.style;
var fly6 = (isNS) ? document.fly6 : document.all.fly6.style;
var fly7 = (isNS) ? document.fly7 : document.all.fly7.style;

var company = (isNS) ? document.company : document.all.company.style;
var desc1 = (isNS) ? document.desc1 : document.all.desc1.style;
var desc2 = (isNS) ? document.desc2 : document.all.desc2.style;
var desc3 = (isNS) ? document.desc3 : document.all.desc3.style;
var desc4 = (isNS) ? document.desc4 : document.all.desc4.style;
</SCRIPT>
Home.asp

<!-- #Include file="NavigationBar.asp" -->

<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=windows-1252">
<meta http-equiv="Content-Language" content="en-us">
<meta name="GENERATOR" content="Microsoft FrontPage 4.0">
<meta name="ProgId" content="FrontPage.Editor.Document">
<title>MarocMart_HomePage</title>
</head>
</html>
Striving to offer the best Moroccan handcrafted products... MarocMart is your one step shop for hundreds of high quality products: carpets, jewelry, pottery, wood, leather, and fashion items... Each article is unique, hand made by Moroccan craftsmen, respecting a century-old tradition... We journey to bring you a taste of collections that reveal the unique heritage of Morocco and its artisans...
The kingdom of Morocco is one of the oldest monarchies in the world. It is located in the northwestern of Africa continent. Morocco is a country of colorful, magical contrasts. It is influenced by four geographic areas: The Sahara and Africa from the south, Arab states and the orient from the East, Atlantic from the west and European from the North. Moroccan artisans derive a large part of their materials from natural resources. Their handicrafts reflect the ebb and flow of cultural influences as each region creates rich imagery and designs unique to its own history.

Our artisans come from Fez, Essaouria, Marrakech, Safi, and Rabat... We offer you a collection that will stir the imagination and satisfy your aesthetic nature. It is more than a display of art; it is a Moroccan treasure.
<br><br><br><br>
<align="center">
<!-#INCLUDE FILE="footer.asp" -->
</body>
</html>

NavigationBar.asp

<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=windows-1252">
<meta name="GENERATOR" content="Microsoft FrontPage 4.0">
<meta name="Progld" content="FrontPage.Editor.Document">
<title> MarocMart_NavigationBar </title>
<script language="JavaScript">
<!-BEGIN Script
// By Jari Aarniala [foo@mbnet.fi]

if(navigator.appName == "Microsoft Internet Explorer" &&
parselnt(navigator.appVersion) >= 4){
   ie4 = true;
}
else {
   ie4 = false;
}

function changeColor(){
   if(ie4) {
      what = window.event.srcElement;
      if(what.className == "link"){
         if(what.style.color == "white"){
            what.style.color = "CC6600";
         }
         else {
            what.style.color = "white";
         }
      }
   }
   else {}
}
</script>
</head>
</html>
document.onmouseover = changeColor;
document.onmouseout = changeColor;

// -->
</script>
</head>

<body>

<img border="0" src="Images/Navlga.gif" width="551" height="99" type="image/gif"/>
<br />
<br />
<br />
<br />
<center>
<table border="2" width="84%" bordercolor="#CC6600" height="22">
<tr>
<td width="12%" bgcolor="#FFCC99" height="22" align="center">
<p align="center"><a style="color:white;text-decoration: none;font-family:TempusSansITC;font-weight:700" href="Home.asp" class="link">Home</a></p>

</td>
<td width="17%" bgcolor="#FFCC99" height="22" align="center">
<a style="color:white;text-decoration: none;font-family:TempusSansITC;font-weight:700" href="Login.asp" class="link">Your Account</a>
</td>
<td width="18%" bgcolor="#FFCC99" height="22" align="center">
<a style="color:white;text-decoration: none;font-family:TempusSansITC;font-weight:700" href="Shoppingpaws.asp?ProdID=view" class="link">Shopping Cart</a>
</td>
<td width="18%" bgcolor="#FFCC99" height="22" align="center">
<a style="color:white;text-decoration: none;font-family:TempusSansITC;font-weight:700" href="CustomerService.asp" class="link">Customer Service</a>
</td>
<td width="12%" bgcolor="#FFCC99" height="22" align="center">
<a style="color:white;text-decoration: none;font-family:TempusSansITC;font-weight:700" href="Morocco.asp" class="link">Morocco</a>
</td>
<td width="14%" bgcolor="#FFCC99" height="22" align="center">
<a style="color:white;text-decoration: none;font-family:TempusSansITC;font-weight:700" href="AboutUs.asp" class="link">About Us</a>
</td>
</tr>
</table>


Footer.asp

<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=windows-1252">
<meta name="GENERATOR" content="Microsoft FrontPage 4.0">
<meta name="ProgId" content="FrontPage.Editor.Document">
<title>MarocMart_Footer</title>
<style>
a:hover {color: red}
a:active {text-decoration: none; color: #FF9900}
a:visited {text-decoration: none; color: #FF9900}
a:link {text-decoration: none; color: #FF9900}
a:hover {text-decoration: bold; color: #CC6600}
</style>
</head>
<body>
<table border="0" width="80%" height="31" align="center">
<tr>
<td width="100%" height="25">
<p align="center"><font face="Tempus Sans ITC" size="2">|</font></p>
</td>
</tr>
</table>
</body>
</html>
Utilities.asp

<% Option Explicit
' Global variables
Dim cn
' This file contains routines that are used commonly by more programs
' in the MarocMart.com website
'
' This routine allows to display any text. It could be used for debugging
Public Sub DisplayText(txtLine)
  Response.Write txtLine
End Sub

' Open Database, receives the DB name as a parameter
Public Sub OpenDB(DBName)
  On Error Resume Next
  Dim path, sConnect
  Set cn = Server.CreateObject("ADODB.Connection")
  path = Server.MapPath(DBName)
  sConnect = "Provider=Microsoft.Jet.OLEDB.4.0;"
  sConnect = sConnect + " Data Source=" + path
  'Response.Write sConnect
  cn.Open sConnect
  If Err.description <> "" Then
    Response.Write "<br>cn.Open: " + Err.description
  End If
End Sub

' Closes the DB
Public Sub CloseDB
  cn.Close
  Set cn = Nothing
End Sub

' Reading from a table of the database
Public Sub ReadFromTable(TableName)
  Dim rs, txtcommand
  txtcommand = "SELECT * FROM " + TableName
  set rs = cn.Execute(txtcommand)
  If Err.Description <> "" Then
    Response.Write "<br>rs.Open: " + Err.Description
  End If
While Not rs.EOF
Response.Write "<br>
Response.Write rs("ProductName")
Response.Write rs("ProductDescription")
Response.Write Cstr(rs("UnitPrice"))
Response.Write "<br>
Wend

Response.Write "<TABLE BORDER=1 BGcolor="#FFCC99">"<TR>""
Response.Write "<TD><B> Product Name </B></TD>"<TD><B> Product Description </B></TD>"<TD><B> Unit price </B></TD>"
Response.Write "</TR>"
While Not rs.EOF
Response.Write "<TR>"
Response.Write "<TD>" + rs("ProductName") + "</TD>"
Response.Write "<TD>" + rs("ProductDescription") + "</TD>"
Response.Write "<TD align=center>" + Cstr(rs("UnitPrice")) + "</TD>"
Response.Write "</TR>"
rs.MoveNext
Wend
rs.Close
Set rs = Nothing
End Sub

Public Sub CheckConnectionErrors( ptrcn )
Dim objError
If ptrcn.Errors.Count > 0 Then
 For Each objError in cn.Errors
 Response.Write "<TABLE Border=1 bgcolor="#FFCC99"><tr><td colspan=2 align=center><b>Connection Error</b></td></td>"
 Response.Write "<TR><TD>Error Property</TD> & _
"<TD>Contents</TD><TR>" & _
"<TR><TD>Number</TD><TD>" & _
 objError.Number & "</TD><TR>" & _
"<TR><TD>Native Error</TD><TD>" & _
 objError.NativeError & "</TD><TR>" & _
"<TR><TD>SQLState</TD><TD>" & _
 objError.SQLState & "</TD><TR>" & _
"<TR><TD>Source</TD><TD>" & _
 objError.Source & "</TD><TR>" & _
"<TR><TD>Description</TD><TD>" & _
 objError.Description & "</TD><TR>"
 Response.Write "</TABLE><P>"
End If.

End Sub

'Routine that sends back the image path depending on the category
Function DetermineCategoryAndPath (txtCategory)

Select Case txtCategory
    Case 1
        DetermineCategoryAndPath = "Catlas"
    Case 2
        DetermineCategoryAndPath = "Cazamore"
    Case 3
        DetermineCategoryAndPath = "Jbracelet"
    Case 4
        DetermineCategoryAndPath = "Lbackpack"
    Case 5
        DetermineCategoryAndPath = "Lpouf"
    Case 6
        DetermineCategoryAndPath = "Lshoulderbag"
    Case 7
        DetermineCategoryAndPath = "Mservingtray"
    Case 8
        DetermineCategoryAndPath = "Mteapot"
    Case 9
        DetermineCategoryAndPath = "Pashtray"
    Case 10
        DetermineCategoryAndPath = "Pplate"
    Case 11
        DetermineCategoryAndPath = "Ptajine"
    Case 12
        DetermineCategoryAndPath = "Pvase"
    Case 13
        DetermineCategoryAndPath = "Wbox"
    Case 14
        DetermineCategoryAndPath = "Wdisk"
    Case 15
        DetermineCategoryAndPath = "FMBabouche"
    Case 16
        DetermineCategoryAndPath = "FFBabouche"
    Case Else
        Response.Write "<BR><BR><BR><BR><BR><BR><center>Problems in DetermineCategoryAndPath::utilities.asp</center>"
End Select
Sub DisplayCartContent (idCustomer, DisplayButtons)

    Dim rs, sSQL, ITotal, curPrice, ifieldindex
    Dim sProduct, IQuantity, IPrice, Ipartialtotal, strProductID

    OpenDB("MarocMart4.mdb")

    sSQL = ""
    sSQL = "SELECT ProductName, Quantity, Products.Price, Products.ProductID FROM Products"
    sSQL = sSQL + " INNER JOIN ShoppingCart ON ShoppingCart.ProductID=Products.ProductID"
    sSQL = sSQL + " WHERE CustomerID="
    sSQL = sSQL + CStr(idCustomer)
    Set rs = cn.Execute(sSQL)
    If Err.description <> "" Then
        Response.Write "DisplayCartContent::GetCart():" + Err.description
        Response.Write "DisplayCartContent::GetCart():" + sSQL
        CheckConnectionErrors cn
    Else
        If Displaybuttons = 1 then
            Response.Write "<Form method=post name=ModifyActualProducts action="ModifyActualProducts.asp""
            Response.Write "<input type=hidden name=iCustomerID value=" + CStr(idCustomer) + ">
        End If
        Response.Write "<CENTER>"
        Response.Write "<TABLE cellpadding=1 cellspacing=0 width=90% BORDER=1><TR><TD align=center><B><font color=#CC6600>Product Name</font></B></TD><TD align=center><B><font color=#CC6600>Price</font></B></TD><TD align=center><B><font color=#CC6600>Quantity</font></B></TD><TD align-center width=130><B><font color="#dC6600">Total</font></B></TD>
        ifieldindex = 1
        Do While Not rs.EOF
            sProduct = rs("ProductName")
            IQuantity = rs("Quantity")
            IPrice = rs("Price")
        End Do
    End If

End Function

' This routine displays what the shopping cart has so far
' DisplayButtons = 1 if the delete button will be displayed in order to delete a product from ShoppingCart
' DisplayButtons = 0 if buttons won't be displayed
Sub DisplayCartContent (idCustomer, DisplayButtons )
Ipartialtotal = IPrice * IQuantity  
ITotal = ITotal + Ipartialtotal

Response.Write "<TR>"  
Response.Write "<TD>" + sProduct + "</TD>"  
Response.Write "<TD align=right>" + FormatCurrency(IPrice) + "</TD>"

"</TD>"

If DisplayButtons = 1 then  
    Response.Write "<TD align=center><INPUT type=text name=ActualQty" + CStr(ifieldindex) + " value=" + CStr(IQuantity) + " size=3>"  
    Response.Write "<input type=hidden name=txtProductID" + CStr(ifieldindex) + " value=" + rs("ProductID") + " /></TD>"
Else  
    Response.Write "<TD align=center>" + CStr(IQuantity) + "</TD>"
End If

Response.Write "<TD align=right>" + FormatCurrency(lpartialtotal) + "</TD>"

Response.Write "<TR>
ifieldindex = ifieldindex + 1
rs.MoveNext
Loop
Response.Write "<TR>
if DisplayButtons then  
    Response.Write "<TD colspan=3 align=right>"  
    Response.Write "<input type=image src=images/update.gif border=0 alt="Update product" name=update>"  
    Response.Write "<TD>"  
    Response.Write "<TD align=right>"
else  
    Response.Write "<TD colspan=4 align=right>"
end if
Response.Write "<font face=Tempus Sans ITC color=#CC6600><B>Total Order: </B></font>" + FormatCurrency(ITotal)  
Response.Write "</TD>"
Response.Write "</TR>"  
Response.Write "</TABLE>"
If DisplayButtons then  
    Response.Write "<Font size=2><font color=#CC6600><b>*Note:</b></font> To delete the product from your Shopping Cart input 0 in the quantity field. </font>"
    Response.Write "<input type=hidden name=hdnTotalRows value=" + CStr(ifieldindex-1) + ">"  
    Response.Write "</Form>"  
End If
End If
' This routine updates the quantity of the product in the ShoppingCart
Sub UpdateQty (iNewQty, strProdID, iCustID)
    Dim rs, sSQL, iQtyToInsert
    OpenDB("MarocMart4.mdb")
    If Err.description = "" Then
        sSQL = "UPDATE ShoppingCart SET Quantity ="
        sSQL = sSQL + CStr(iNewQty)
        sSQL = sSQL + " WHERE CustomerID ="
        sSQL = sSQL + CStr(iCustID)
        sSQL = sSQL + " and ProductID ="
        sSQL = sSQL + strProdID + ""
        Set rs = cn.Execute( sSQL )
        If Err.description <> "" Then
            Response.Write "<br>RemovePurchases: " + Err.description
            Response.Write "<br>RemovePurchases: " + sSQL
            CheckConnectionErrors cn
        End If
    End If
    'rs.Close
    Set rs = Nothing
    CloseDB()
End Sub

Prod-ContentFrame.asp

<%@ Language=VBScript %>
<!-- #INCLUDE FILE="utilities.asp" -->

<script language="JavaScript">
<!-- lol
function openNewWindow(theURL,winName,features) { //v2.0
    window.open(theURL,winName,features);
}
//-->
</script>
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN">
<html>
<head>
<meta NAME="GENERATOR" Content="Microsoft FrontPage 4.0">
<TITLE>MarocMart_Products</TITLE>
</head>
<script>
Sub OpenTable ()
    Response.Write "<TABLE WIDTH=40% BORDER=0 >" 
    Response.Write "<TR>"
End Sub

Sub DisplayAddtoCartLink(ProdID)
    Response.Write "<br><br><b><a href=""ShoppingPaws.asp?ProdID=" + ProdID + "">Add to Shopping Cart</a></b>"
End Sub

' Routine that displays all the products of the category chosen
Sub DisplayInfo (ProdCategory)
    Dim rs, sqlstmt, intColCount
    OpenDB("MarocMart4.mdb")
    sqlstmt = "SELECT * FROM Products where ProductCategory = "
    sqlstmt = sqlstmt + ProdCategory
    set rs = cn.Execute( sqlstmt )
    If Err.description <> "" Then
        Response.Write "<br>rs.Open: " + Err.description
        Else
        OpenTable
    While Not rs.EOF
        Response.Write "<Table width=80% Border=0 >"
        Response.Write "<TR>"
        Response.write "<TD align=right>"
        Response.write"<img src="\"images/"
        Response.write rs("ProductImage")
        Response.write """
        Response.write ""</TD>"
        Response.Write "<TR><br><br><br>"
Response.Write "<TD align=top><font color=SaddleBrown><font face="Tempus Sans ITC"><br><br>Name: </B></TD>"  
Response.Write "<TD><br><br><font face="Tempus Sans ITC">" + rs("ProductName") + "</TD></TR>"  
Response.Write "<TD align=top><font color=SaddleBrown><font face="Tempus Sans ITC"><b>Category:</B></TD>"  
Response.Write "<TD><font face="Tempus Sans ITC">" + rs("CategoryID") + "</TD></TR>"  
Response.Write "<TD align=top><font color=SaddleBrown><font face="Tempus Sans ITC"><b>Dimension:</B></TD>"  
Response.Write "<TD><font face="Tempus Sans ITC">" + rs("ProductDimensions") + "</TD></TR>"  
Response.Write "<TD align=top><font color=SaddleBrown><font face="Tempus Sans ITC"><b>Price:</B></TD>"  
Response.Write "<TD><font face="Tempus Sans ITC">" + CSTR(rs("Price")) + "</TD></TR>"  
Response.Write "<TD align=top><font color=SaddleBrown><font face="Tempus Sans ITC"><b>Description:</B></TD>"  
Response.Write "<TD><font face="Tempus Sans ITC">" + rs("ProductDescription") + "</TD></TR>"  
Response.Write "<TD><a href="javascript:openNewWindow('Details.asp?ProdID=" + rs("ProductID") + ",scrollbars=yes,width=550,height=350')">Se Larger Picture</a></TD>"  
DisplayAddtoCartLink(rs("ProductID"))  
Response.Write "</TD>"  
rs.MoveNext  
Wend  
End If  
rs.Close  
Set rs = Nothing  
CloseDB  
End Sub  

Sub DetermineCategory ()  
Dim txtCategory  
txtCategory = Request.QueryString("Category")  
Select Case txtCategory  
Case "Catlas"  
Response.Write "<Font size=4><B>Products->Carpet Atlas</B></font><BR><BR>"  
DisplayInfo "1"  
Case "Cazamore"
Response.Write "<Font size= 4><B>Products->Carpet Azamore</B></font><BR><BR>
DisplayInfo "2"
Case "Jbracelet"
Response.Write "<Font size= 4><B>Products->Jewerly Bracelet</B></font><BR><BR>
DisplayInfo "3"
Case "Lbackpack"
Response.Write "<Font size= 4><B>Products->Leather Backpack</B></font><BR><BR>
DisplayInfo "4"
Case "Lpouf"
Response.Write "<Font size= 4><B>Products->Leather Pouf</B></font><BR><BR>
DisplayInfo "5"
Case "Lshoulderbag"
Response.Write "<Font size= 4><B>Products->Leather Shoulder Bag</B></font><BR><BR>
DisplayInfo "6"
Case "Mservingtray"
Response.Write "<Font size= 4><B>Products->Metal Serving Tray</B></font><BR><BR>
DisplayInfo "7"
Case "Mteapot"
Response.Write "<Font size= 4><B>Products->Metal Tea Pot</B></font><BR><BR>
DisplayInfo "8"
Case "Pashtray"
Response.Write "<Font size= 4><B>Products->Pottery Ashtray</B></font><BR><BR>
DisplayInfo "9"
Case "Pplate"
Response.Write "<Font size= 4><B>Products->Pottery Plate</B></font><BR><BR>
DisplayInfo "10"
Case "Ptajine"
Response.Write "<Font size= 4><B>Products->Pottery Tajine</B></font><BR><BR>
DisplayInfo "11"
Case "Pvase"
Response.Write "<Font size= 4><B>Products->Pottery Vase</B></font><BR><BR>
DisplayInfo "12"
Case "Wbox"
Response.Write "<Font size= 4><B>Products->Wood Box</B></font><BR><BR>"
Displaylnfo "13"
Case "Wdisk"
  Response.Write "<Font size=4><B>Products->Wood Disk Accessories</B><BR><BR>"
Displaylnfo "14"
Case "FM Babouche"
  Response.Write "<Font size=4><B>Products->Fashion Male Babouche</B><BR><BR>"
Displaylnfo "15"
Case "FF Babouche"
  Response.Write "<Font size=4><B>Products->Fashion Female Babouche</B><BR><BR>"
Displaylnfo "16"
Case "none"
  Response.Write "<BR><BR><center><b><FontSize=3>Pleases select from the menu above the product's category you are interested in.</font></b></center>"
Case Else
  Response.Write "Problem"
End Select
End Sub
%
<body vlink="#FFCC99" alink="#FF9933" link="#CC6600">
<font face="Tempus Sans ITC" color="SaddleBrown">
<BR><BR><br>
<% DetermineCategory  %>
<BR><br><br><br>
</font>
<!-#INCLUDE FILE="Footer.asp" -->
</body>
</html>

AboutUs.asp

<html>
<!-#INCLUDE FILE="NavigationBar.asp" -->
<head>
<meta http-equiv="Content-Type" content="text/html; charset=windows-1252">
<meta http-equiv="Content-Language" content="en-us">
About Us

Striving to offer the best Moroccan handcrafted product... MarocMart is your one step shop for hundreds of high quality products: carpets, jewelry, pottery, wood, leather, fashion items... Each article is unique, hand made by Moroccan craftsmen, respecting a century-old tradition... We journey to bring you a taste of collections that reveal the unique heritage of Morocco and its artisans...

The Moroccan artistic culture has impressed artists, travelers and collectors for centuries. The legendary Moroccan craftsmen still make beautiful things with their hands. <p>

Moroccan artisans derive a large part of their materials from natural resources. Their handicrafts reflect the ebb and flow of cultural influences as each region creates rich imagery and designs unique to its own history. Our artisans come from Essaouria, Marrakech, Safi, and Rabat. We offer you a collection that will stir the imagination and satisfy your aesthetic nature. It is more than a display of art ~ it is a Moroccan heritage.

The MarocMart is located in Rabat Morocco, but will be expanding. Journey with us as we broaden our works to encompass celebrated art along the world!
Public Sub ShowTable()

    Dim cn, rs, path, sConnect
    Set cn = Server.CreateObject("ADODB.Connection")
    Path = Server.MapPath("MarocMart4.mdb")
    sConnect = "Provider=Microsoft.Jet.OLEDB.4.0;"
    sConnect = sConnect + " Data Source=" + path
    Response.Write sConnect
    cn.Open sConnect

    If Err.description <> "" Then
        Response.Write "<br>cn.Open: " + Err.Description
    End If

    set rs = cn.Execute("SELECT * FROM Products WHERE ProductID = ")
    If Err.description <> "" Then
        Response.Write "<br>rs.Open: " + Err.description
    End If

    While Not rs.EOF

        Response.Write "<TABLE WIDTH=80% BORDER=0 >"
        Response.Write "<TR>"
        Response.Write "<TD align=center>"
        Response.Write "<TD valign=top><font color="#FFCC99"">"<font face=""Tempus Sans ITC""><b>Name: </b></font></font></TD>"
Response.Write "<TD><br><br><br><font face="Tempus Sans ITC">" + rs("ProductName")
Response.Write "</TD>"
Response.Write "<TR><br><br><br><center><a href="javascript:window.close()">Close Window</a></center>"
rs.MoveNext
Wend
rs.Close
cn.Close
set rs = Nothing
set cn = Nothing
cn.close
End Sub

ShowTable
%
<body vlink="#FFCC99" alink="#FF9933" link="#CC6600">
<font face="Tempus Sans ITC" color="SaddleBrown">

</body>
</html>

Carpet.asp

<html>
<!-- #INCLUDE FILE="NavigationBar.asp" -->

<head>

</head>
There are two main styles in the art of the carpet-making in Morocco, the Atlas style whose most famous representative is the Tazenakht carpet (not far from Ouarzazate), showing geometric and animal motifs. This is a short-napped carpet whose colors are extracted from the flowers of the fields, The Middle Atlas also has a considerable production of carpets with geometrical motifs as well as wall hangings and blankets covered with spangles like those worn in their hair-dress by the young girls of the Valley of Imilchil where every year in September, the famous engagements' Moussem (festival) is held.

The second style is from Rabat and called Rabati. This kind of carpet is to be found in the great bourgeois in Fez, Casablanca, and Marrakech and is famous for its
quality and price. Its design is of Persian inspiration, with a central floral motif on a plain background: the difference between the Rabati carpet and the Persian is that Rabati has fewer knots per square meter, making a thicker pile carpet valued for its softness under foot, its careful workmanship and the resistance of the colors that distinguish it, particularly, the famous Rabati Red.

On the economic front, the rug market in Morocco represents 66% of handicraft's exports, which shows what an important role played by this industry in the overall national production.
Roomy and colourful are the Moroccan traditional garments. For men, sophisticated Djellaba: roomy, tubular with handles and hood, it is often worn with a shirt (Tchamir) and wide short trousers (Saroual). However, while working, the djellaba is often replaced by the Gandoura,(a long garment without handles). Generally, for women the kaftan: with large handles and sophisticated border remains the traditional garment of the city dweller. Finally, other stylish garments, such as Kamis and Tekchita, are for festivals and ceremonies.

The Moroccan slipper “belgha” varies in its quality and shape according to places. Yet it remains the widely used shoe thanks to its lightness and practicality.
Jewelry Crafts

Their art is very old Moroccan tradition. Moroccan artisans know how to make jewelry starting from scratch by first extracting the silver from the ore. Silver jewelry comes in many forms: bracelets, earrings, fibulas, anklets and necklaces, sometimes set with semiprecious stones or studs inlaid with enamels. Among the most popular are heavy solid silver bracelets with deeply-etched designs.

Natural stones like the "desert rose", a crystal formation found in the Sahara, which makes a very decorative object d'art. There are many items carved out of soft local stone called soapstone: jewelry and cigarette boxes, candlesticks, paperweights and animals or human figurines which are carved with geometric hammered designs. There are also natural rocks or semi-precious stones like mineral crystal and bright-colored marbled stones sold on the roadside in many parts of the mountain areas.

Moroccan jewelry made of silver and found in all the big cities.
where the silversmiths usually have their own separate district. Moroccan designs in general are quite unique, very distinctive souvenirs.
Since millennium man has known metal. Moreover, it is an infinite source of creativity. In Morocco trays, tea-pots, wall lamps ... etc. dance between the hands of the craftsmen.

Being handmade, every creation draws particular attention. As a jewel, the craftsman meticulously fashions this raw material. From the melting, where it flows like a river to the sculpture, the metal couples water with fire to give sophisticated and original items.

In any Moroccan house these accessories utensil are necessary for tea preparation: Tray, tea cups, tea-pot, kettle, tea box, sugar bowl, mint bowl.
<p align="center"><font face="Tempus Sans ITC" size="5" color="#CC6600">Leather Crafts</font></p>

Our leather items are made in the back street of Souk Shkayria (bag market) in Marrakech. Whether they are 100% genuine soft leather or enhanced with hand woven kilims, or rugs, they are truly unique!

"Rug" is used both as a general and as a specific term. Generally it applies to almost any material designed for covering a floor. But more specifically, "rug" applies to a weave consisting of individually knotted and cut threads which create a soft pile. With rugs, the weaving together of the warp and weft, the knotting, and the cut threads render a substantially thicker product than with the kilims flat weave. Every knot is knotted on each pair of warp, and by rows.

After each row there is a row of weft added and there are two style of knots.

Not all rugs are pile rugs for there are also kilims. A kilim is a flat woven rug as opposed to a knotted rug with pile. Kilim applies to a weave consisting of the threads looping around the warp, which results in a "flat weave." In the East are generally used for floor, bed, sofa and divan covering, or even door or window hanging. Using that word kilim in a strictly technical sense to distinguish piled rugs from flat-woven rugs.
The colors of the wool are obtained or generally from vegetables, natural mineral and insect sources. In 1860s, however, they began the introduction of synthetic dyes and also the more wide-spread use of the various shades of red and pink-red called cochineal. Synthetic dyes slowly ousted the use of natural colors. 

The artisans of Marrakech acquire these items as Berber women from at the Atlas mountains come down with their hand-woven rugs, kilims, and hanbals to the weekly market and sell them so that they can buy the much needed staples of life (sugar, oil, and candles).
In Morocco, land and ground is a source of life and nourishment, however, artisans know that red clay is agriculturally unreliable, hence the development of a pottery and ceramics trade. In area where you find clay however in general, the peasant knows that clay is an unproductive land.

The potter, which controls the serecies of the ground, water, the air and of fire especially occupy a special place because they can transform an ungrateful ground into objects essential to the life. Starting from death, they create the life. Therefore finds one this representation of the clay and the work of the potter translated in the Arab or Berber speeches. The traditional, painted decorations, incised or in relief, often analyzed as those of the dumb objects that study the archaeologists, owe their direction with the verb who names them, with the substance employed, with its color.

The correspondences that only an alive oral tradition will make it possible to establish and to include/understand will lead to other objects. Thus each dish, pot, jug contain a history which is read between the lines, a particular odor which calls with the imagination of each one to travel and find themselves a short moment at the side of that or of that which patiently gave life to the pottery.
Wood.asp

<html>
<!-#INCLUDE FILE="NavigationBar.asp" -->
<head>
<meta http-equiv="Content-Type" content="text/html; charset=windows-1252">
<meta http-equiv="Content-Language" content="en-us">
<meta name="GENERATOR" content="Microsoft FrontPage 4.0">
<meta name="ProgId" content="FrontPage.Editor.Document">
<title>MarocMart_Wood</title>
</head>

<body vlink="#FFCC99" alink="#FF9933" link="#CC6600">
<p align="center"><font face="Tempus Sans ITC" size="5" color="#CC6600"><b>Wood Crafts</b></font></p>
<table Border="0" width="100%" height="162">
<tr>
<td width="22%" height="156">
<p align="center">
<font face="Lucida Sans" size="3"><b>
A HREF="Prod-ContentFrame.asp?Category=Wbox">Boxe</b><br>
A HREF="Prod-ContentFrame.asp?Category=Wdisk">Desk Accessories</b></font>
</p></td>
<td width="78%" height="156">
<p align="center">
<font color="#663300" face="Tempus Sans ITC" size="3">
Created from Thuya wood, these pieces have a classic and entirely distinctive feel. Its unique fragrance along with its delicate texture qualified it to be used for decorating the interior trim of the finest automobiles such as Jaguars, Mercedes, BMW, and Rolls Royce.<br><br></font></p></td>
</tr>
</table>
</body>
</html>
Thuya, African burl (tetroclinis articulata), grows in only one specific region of Morocco. It is golden reddish brown with heavy small dark 'eyes'. Hard, heavy, oily, aromatic. Forest fires in the past have destroyed much of the trees. Although replanting has been progressive throughout recent years, there still remains a limited supply. The beautiful burled root wood makes unique and beautiful handcrafted items, such as jewelry boxes, trays, desk top items, pens... to be treasured for a lifetime.

It is very easy to care for your acquired Thuya items. Just dip a piece of cotton cloth in vegetable oil and wipe your box or desktop organizer to shine.

<font><p/></font></td>
</table>

<br><br>

<!-#INCLUDEFILE="footer.asp"->

</body>
</html>

Login.asp

<%@ Language=VBScript %>
<!-- #Include file="Utilities.asp" -->

<%
Dim iLoginError
Dim sUSR
Session("id") = 0
Session("Admin") = 0
CheckLogin
%

<html>

<!-- #INCLUDE FILE="NavigationBar.asp" -->

<head>

<meta NAME="GENERATOR" Content="Microsoft FrontPage 4.0">
<title>MarocMart_Login</title>
<script ID="clientEventHandlersJS" LANGUAGE="javascript">

function Login_onsubmit()
{
  bSuccess = true;
  if ('"' == Login.LoginName.value)
  {
    alert("Please enter your Login Name");
    document.Login.LoginName.focus();
    bSuccess = false;
  }
  else

  if ('"' == Login.Password.value)
  {
    alert("Please enter your Password");
    document.Login.Password.focus();
    bSuccess = false;
  }

  return bSuccess;
}

function openNewWindow(theURL,winName,features) { //v2.0
  window.open(theURL,winName,features);
}

//-->
</script>

<%}
Public Function GetIDCustomer( sUserName, sPassword )
'On Error Resume Next
  Dim rs, sSQL
  OpenDB("MarocMart4.mdb")
  If Err.description = "" Then
    sSQL = "SELECT CustomerID FROM Customers WHERE LoginName="" sSQL = sSQL + sUserName
    sSQL = sSQL + " AND CustomerPassword="" sSQL = sSQL + sPassword
    sSQL = sSQL + ""
    Set rs=cn.Execute( sSQL )
    GetIDCustomer = rs("CustomerID")
    'Response.Write "sSQL = " + CStr(GetIDCustomer)
  Else

  End If
</%>
Response.Write "GetIdCustomer:" + Err.description
End If
rs.Close
Set rs = Nothing
CloseDB
End Function

Public Function GetAdmin( sUserID, sPassword )
'On Error Resume Next
Dim rs, sSQL
OpenDB("MarocMart4.mdb")
If Err.description = "" Then
    sSQL = "SELECT Admin FROM Customers WHERE LoginName="" + sUserID + " AND CustomerPassword="" + sPassword
    Set rs = cn.Execute( sSQL )
    GetAdmin = rs("Admin")
    'Response.Write "sSQL = " + CStr(GetIDCustomer)
Else
    Response.Write "GetAdmin:" + Err.description
End If
rs.Close
Set rs = Nothing
CloseDB
End Function

Public Sub CheckLogin()
On Error Resume Next
Dim str, id, sPWD
sUSR = Request.Form( "LoginName" )
sPWD = Request.Form( "Password" )
If Err.description = "" And sUSR <> "" Then
    id = GetIDCustomer( sUSR, sPWD )
    If id > 0 Then
        Session( "id" ) = id
        Session( "USR" ) = sUSR
        Session( "Admin" ) = GetAdmin( sUSR, sPWD )
        If Session( "Admin" ) > 0 Then
<thead>
    <script language="JavaScript">
        openNewWindow('Population/PopulationTool.asp','Population Tool',"scrollbars=yes,width=800,height=800")
    </script>
</thead>
<% Response.Redirect "Population\PopulationTool.asp"
Else
    Response.Redirect "welcome.asp"
End If
Else
    iLoginError = 1
End If
End If
%>
</head>

<body vlink="#FFCC99" alink="#FF9933" link="#CC6600">

<% If iLoginError > 0 Then %>
<br><br><br><br><br><br><br><br><br>
<table cellpadding="0" cellspacing="0" border="0" width="100%">
<tr>
<td bgcolor="#ffffff">
<table cellpadding="15" cellspacing="1" align="center" border="1" bordercolor="#996633" width="548">
<tr><td bgcolor="#ffffff" width="510">
<p align="center"><b><font color="#CC6600" face="Tempus Sans ITC" size="4">Please Enter a Valid Login Name or/and Password.</font></b></p>
</td></tr>
</table>
</td>
</tr>
</table>
<% End If %>
<br><br><br><br>
<p align="center"><b><font face="Tempus Sans ITC" size="5" color="#CC6600">Member Login</font></b></p>

114
<font face="Tempus Sans ITC" color="#996633" size="4">Please enter your Login Name and Password to login!</font>

<table width=687 align="center" height="218">
<tr>
<td align="left" width="149" height="26">
<p><font color="#8B4513" face="Tempus Sans ITC">Login Name: </font></p>
</td>
<td width="300" height="26">
<input type="text" name="LoginName"></td>
<td width="218" height="26"></td>
</tr>
<tr>
<td align="left" width="149" height="68">
<p><font color="#8B4513" face="Tempus Sans ITC">Password: </font></p>
</td>
<td width="300" height="68">
<input type="password" name="Password"></td>
<td width="218" height="68">
<font color="SaddleBrown">New user please</font></td>
</tr>
</table>

<font face="Tempus Sans ITC" color="#006400" size="3">Password: </font>

<font face="Tempus Sans ITC" color="#996633" size="3">New user please</font>
<font face="Tempus Sans ITC" color="#006400">Forget Password or Login Name please</font>&nbsp;<font face="Tempus Sans ITC" color="#006400">Please click here</font>
Loginpage2.asp

<%@ Language=VBScript %>

<html>
<!-#INCLUDE FILE="NavigationBar.asp" -->
<head>
<TITLE>MarocMart_SignUp</TITLE>
<meta NAME="GENERATOR" Content="Microsoft FrontPage 4.0">
</head>
<body vlink="darkgreen" alink="orangered" link="seagreen">
<script ID="clientEventHandlersJS" LANGUAGE="javascript">

function Loginpage2_onsubmit()
{
  bSuccess = true;

  if ("" == Loginpage2.txtLastName.value)
  {
    alert("Please enter your last name");
    document.Loginpage2.txtLastName.focus();
    bSuccess = false;
  }
  else

  if ("" == Loginpage2.txtFirstName.value)
  {
    alert("Please enter your first name");
    document.Loginpage2.txtFirstName.focus();
    bSuccess = false;
  }
  else

</body>
</html>
if ("" == Loginpage2.txtStreet.value)
{
    alert("Please enter your street");
    document.Loginpage2.txtStreet.focus();
    bSuccess = false;
}
else

if ("" == Loginpage2.txtCity.value)
{
    alert("Please enter your city");
    document.Loginpage2.txtCity.focus();
    bSuccess = false;
}
else

if ("" == Loginpage2.txtState.value)
{
    alert("Please enter your state");
    document.Loginpage2.txtState.focus();
    bSuccess = false;
}
else

if ("" == Loginpage2.txtZipcode.value)
{
    alert("Please enter your zip code");
    document.Loginpage2.txtZipcode.focus();
    bSuccess = false;
}
else

if ("" == Loginpage2.txtCountry.value)
{
    alert("Please enter your country");
    document.Loginpage2.txtCountry.focus();
    bSuccess = false;
}
else

if ("" == Loginpage2.txtPhone.value)
{
    alert("Please enter your Phone No.");
    document.Loginpage2.txtPhone.focus();
}
bSuccess = false;
}
else

    if (""
    == LoginPage2.txtCustomerEmail.value)
    {
        alert("Please enter your E-mail address");
        document.Loginpage2.txtCustomerEmail.focus();
        bSuccess = false;
    }
else

    if (""
    == LoginPage2.txtLoginName.value)
    {
        alert("Please enter your Login Name");
        document.Loginpage2.txtLoginName.focus();
        bSuccess = false;
    }
else

    if (""
    == LoginPage2.txtPass.value)
    {
        alert("Please enter your Password");
        document.Loginpage2.txtPass.focus();
        bSuccess = false;
    }
else

    if (""
    == LoginPage2.txtConfirmPass.value)
    {
        alert("Please enter your Password");
        document.Loginpage2.txtConfirmPass.focus();
        bSuccess = false;
    }
else

        if (LoginPage2.txtPass.value != LoginPage2.txtConfirmPass.value)
        {
            alert("Password and Password Confirmation don't match");
            document.Loginpage2.txtConfirmPass.focus();
            bSuccess = false;
        }

return bSuccess;
<div>
</div>

```vbscript
Dim valueLastName, valueFirstName, valueStreet, valueCity, valueState, valueZipcode, valueCountry, valuePhone, valueCustomerEmail, valueLoginName, valuePass, valueConfirmPass, valueError
valueLastName = Request.QueryString("txtLastName")
valueFirstName = Request.QueryString("txtFirstName")
valueStreet = Request.QueryString("txtStreet")
valueCity = Request.QueryString("txtCity")
valueState = Request.QueryString("txtState")
valueZipcode = Request.QueryString("txtZipcode")
valueCountry = Request.QueryString("txtCountry")
valuePhone = Request.QueryString("txtPhone")
valueCustomerEmail = Request.QueryString("txtCustomerEmail")
valueLoginName = Request.QueryString("txtLoginName")
valuePass = Request.QueryString("txtPass")
valueConfirmPass = Request.QueryString("txtConfirmPass")
valueError = Request.QueryString("error")
If valueError = 1 then
    <br><br><br><br><br><br><br><br>
    <table cellpadding="0" cellspacing="0" border="0" width="100%">
        <tr>
            <td bgcolor="#ffffff" width="548" height="50">
                <table cellpadding="15" cellspacing="1" align="center" border="1" bordercolor="#996633">
                    <tr>
                        <td bgcolor="#ffffff" width="510" height="16">
                            <p align="center"><b><font face="Tempus Sans ITC" size="4">Login Name already in use. Please select a new one.</b></font></p>
                        </td>
                    </tr>
                </table>
            </td>
        </tr>
    </table>
</br>
End If
</%>
```
<form Action="ThankYouPage.asp" Method="post" Name="Loginpage2" Language="javascript"
   onsubmit="return Loginpage2_onsubmit()"><input type='Hidden' Name='FormName' value='Login'></form>

<p align='center'><b><font face="TempusSansITC" size=''5'' color="#CC6600">Sign Up Form</font></b></p>
<br><br>

<p align='center'><b><font face="TempusSansITC" color="#CC6600" size="4"&nbsp;&nbsp;>>&nbsp;&nbsp;To truck your order, please fill out the sign up form!&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&n
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<td><code>&lt;td&gt;&lt;input type=&quot;text&quot; name=&quot;txtCustomerEmail&quot; value=&quot;&quot;&gt;&lt;/td&gt;</code></td>
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Example:
909-880-7777

Example:
name@address.com
Login Information

*Login Name:*

*Password:*

*Confirm Password:*

Login Name and Password are required every time you login. This is a security measure that protects your information.

(Use between 5 and 10 letters or numbers, no spaces)

Submit Your Information
ThankYouPage.asp

<%@ Language=VBScript %>
<!-- #INCLUDE FILE="utilities.asp" -->
<html>
<!-- #INCLUDE FILE="NavigationBar.asp" -->
<head>
<meta NAME="GENERATOR" Content="Microsoft FrontPage 4.0">
<title>MarocMart_ThankYou</title>
<%
' ------------------------ All Sub Procedures ------------------------'
Dim strFormName, strHeading, strName, strMsg1, strMsg2
' strFormName will keep value of the hidden field
' strHeading is greeting message: whether "Welcome" or "Thank You"
' strName is a person name you want to display
' strMsg1 is a first message you want to display
' strMsg2 is a second message you want to display

'A procedure to assign messages to "Login" Thank you page
Public sub LoginMsg
OnError Resume next
  strHeading = "Welcome "
strName = Request.Form("TxtFirstName")
strMsg1 = "You have just registered."
strMsg2 = "Please continue browsing our website."

'Now saving information in database..
'veariables with values from the form
Dim sLastName, sFirstName, sStreet, sCity, sState, sZipcode, sCountry,
sPhoneNo, sCustomerEmail, sLoginName, sCustomerPassword, sConfirmPassword, exist

sLastName = Request.Form("txtLastName")
sFirstName = Request.Form("txtFirstName")
sStreet = Request.Form("txtStreet")
sCity = Request.Form("txtCity")
sState = Request.Form("txtState")
sZipcode = Request.Form("txtZipcode")
sCountry = Request.Form("txtCountry")
sPhoneNo = Request.Form("txtPhone")
sCustomerEmail = Request.Form("txtCustomerEmail")
sLoginName = Request.Form("txtLoginName")
sCustomerPassword = Request.Form("txtPass")
sConfirmPassword = Request.Form("txtConfirmPass")

'variables for the connection
Dim sSQL, rs
OpenDB("MarocMart4.mdb")
sSQL="Select CustomerID from Customers where LoginName = " + sLoginName + ""
set rs=cn.Execute( sSQL)
If Err.description <> "" Then
    Response.Write "cn.Execute " + Err.description
End If

'Response.Write "<BR><b>rs: </b>" + CStr(rs("CustomerID"))
exist = 0
exist = rs("CustomerID")
If exist > 0 Then
    Response.Redirect "Loginpage2.asp?txtLastName=+sLastName+"&txtFirstName=+sFirstName+"&txtSt
    reet=+sStreet+"&txtCity=+sCity+"&txtState=+sState+"&txtZipcode=+sZipcode+"&txtCountry=+sCountry+"&txtPhone=+sPhoneNo+"&txtCustomerEmail=+sCustomer
    Email+"&txtLoginName=&txtPass=&txtConfirmPass=&error=1"
Else
    rs.close
    rs=nothing
    Err.clear
    'Inserting info in the table Customers
sSQL = "INSERT INTO Customers(LastName, FirstName, Street, City, State, Zipcode, Country, PhoneNo, CustomerEmail, LoginName, CustomerPassword, Admin)"
sSQL = sSQL + "VALUES(" sSQL = sSQL + "+ sLastName + ")"
sSQL = sSQL + "," + sFirstName +")"
sSQL = sSQL + "," + sStreet +")"
sSQL = sSQL + "," + sCity +")"
sSQL = sSQL + "," + sState +")"
sSQL = sSQL + "," + sZipcode +")"
sSQL = sSQL + "," + sCountry +")"
sSQL = sSQL + "," + sPhoneNo +")"
sSQL = sSQL + "," + sCustomerEmail +")"
sSQL = sSQL + "," + sLoginName +")"
sSQL = sSQL + "," + sCustomerPassword +")"
sSQL = sSQL + ",0"
sSQL = sSQL + ")"
'print what the command is, just to be sure the structure is correct Response.Write "<BR><b>SQLCommand:</b>" + sSQL set rs=cn.Execute( sSQL) If Err.description <> "" Then Response.Write "<br>cn.Execute " + Err.description End If rs.close rs=nothing sSQL = ""
sSQL = "SELECT CustomerID FROM Customers WHERE LoginName = " sSQL = sSQL + sLoginName + ")"
set rs=cn.Execute( sSQL) Session( "id" ) = rs("CustomerID") Session( "USR" ) = sLoginName rs.close rs=nothing End If CloseDB end sub

'A procedure to assign messages to "Customer Services" Thank you page Public Sub CustomerServicesMsg
strHeading = "Thank You "
strName = Request.Form("txtCustomerName")
strMsg1 = "Your comment and/or question has been sent."
strMsg2 = ""
'Now saving information in database .. 'variables with values from the form
Dim sCustomerName, sCustomerEmail, sReason, sHearFrom
sCustomerName = Request.Form("TxtCustomerName")
sCustomerEmail = Request.Form("TxtCustomerEmail")
sReason = Request.Form("TxtReason")
Select Case Cstr(Request.Form("DDSource"))
Case "2"
  sHearFrom = "A Friend"
Case "3"
  sHearFrom = "Other"
Case "4"
  sHearFrom = "Search Engine"
End Select

'variables for the connection
Dim rs, sSQL
OpenDB("MarocMart4.mdb")
'Inserting info in the table ContactUs
sSQL = "INSERT INTO ContactUs(Name, Email, Reason, HearFrom)
VALUES(
"" + sCustomerName + ""
"" + sCustomerEmail + ""
"" + sReason + ""
"(" + sHearFrom + "")"
'print what the command is, just to be sure the structure is correct
'Response.Write "<BR><b>SQL Command: </b>" + sSQL
Con.Execute sSQL
If Err.description <> "" Then
  Response.Write "<br>cn.Execute " + Err.description
End If
CloseDB
end sub

'A procedure to creat different links
Public Sub RedirectPage
  If strFormName = "Login" then
    Response.Write "<p align="center"">A HREF="Home.asp"">
  else
    If strFormName = "ContactUs" then
      Response.Write "<p align="center"">a href="CustomerService.asp"
    target="ContentFrame"">
  End if
End if
end sub
'---------------------------------------- Codes begin here ----------------------------------------'

strFormName = Request.Form("FormName")

If strFormName = "Login" then 'Soum Form
  LoginMsg 'call sub procedure
  'You can put your codes here
Else
  If strFormName = "ContactUs" then 'Soum Form
    CustomerServicesMsg 'call sub routine
    'You can put your codes here
  End if
End if

'---------------------------------------- End Codes ----------------------------------------'

%>
</head>

<!-- Body Begins here -->

<body vlink="#FFCC99" alink="#FF9933" link="#CC6600">

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Welcome.asp

<%@ Language=VBScript %>

<HTML>

<!-- #INCLUDE FILE="NavigationBar.asp" -->

<HEAD>

<META NAME="GENERATOR" Content="Microsoft FrontPage 4.0">
<TITLE>Welcome!</TITLE>

</HEAD>

<body vlink="#FFCC99" alink="#FF9933" link="#CC6600">

<CENTER>

<FONT face="Tempus Sans ITC" color="#cc6600" size=6><b>
<br><br><br><br><br>
<b>
<% If Session("id")<>"0" then
    Response.Write "Hello <B>" + Session( "USR" )+ ":"+"</B><Br>"
    End If
%

</b>
</FONT>

<br>
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<br>

<font face="Tempus Sans ITC" size="5">
<br><BR><BR><BR><BR>
</font><font color="#996633" face="Tempus Sans ITC" size="5">Welcome to MarocMart.com!!
<br><br>

<p align="center">
Please continue browsing our website.</font>
ShoppingPaws.asp

<%@ Language=VBScript %>
<!-#INCLUDE FILE="utilities.asp" -->

' These are for practice:
'Session( "id" ) = 2
'Session( "USR" ) = "Pam"

' Routine in charge of displaying actual elements in a ShoppingCart
Sub ViewShoppingPaw (idCustomer)
  If Err.description = "" Then
    If TotalRecords(idCustomer) < 1 Then
      Response.Write "Your ShoppingPaw is empty</b></font></center>"
    Else
      Response.Write "The content of your Shopping Cart is:<BR><BR></b></font></center>"
    End If
  End If
End Sub

' Function in charge of counting the number of records in the ShoppingCart for one customer
Function TotalRecords (CustomerUniqueID)
  Dim sSQL, rscount, path, sConnect
  'Check if the shoppingCart has elements for that customer
  <br><br><br>
  <A HREF="Home.asp"> <font face="Tempus Sans ITC"> OK</font> </a> 
  </b>
<br><br><br>
<!-#INeLUDEFILE="Footer.asp" -->
</body>
</HTML>
For this, I use Recordset
Set rscount = Server.CreateObject("ADODB.Recordset")
rscount.CursorLocation = 3 'adUseClient
path = Server.MapPath("MarocMart4.mdb")
sConnect = "Provider=Microsoft.Jet.OLEDB.4.0;"
sConnect = sConnect + " Data Source=" + path
sSQL = "SELECT * FROM ShoppingCart where CustomerID = "
sSQL = sSQL + CStr(CustomerUniqueID)
rscount.Open sSQL, sConnect
TotalRecords = rscount.RecordCount
rscount.close
Set rscount = Nothing
End Function

' Displays the product to be added to the ShoppingCart and a field to specify the quantity
Public Sub AddProduct ( custid, idProduct )
Dim rs, sSQL, curPrice, sProduct, sDescProduct, txtimgpath
OpenDB("MarocMart4.mdb")
If Err.description = "" Then
    sSQL = "SELECT * FROM Products WHERE ProductID= "
sSQL = sSQL + idProduct + ""
Set rs = cn.Execute( sSQL )
If Err.description <> "" Then
    Response.Write "<br>AddProduct:.GetUnitPrice(): " + Err.description
    CheckConnectionErrors cn
Else
    sProduct = rs("ProductName")
sDescProduct = rs("ProductDescription")
curPrice = rs("Price")
Response.Write "<Form method=""post"" action=""AddProduct.asp"
name=""AddProduct"">
    Response.Write "<input type=hidden name=""txtProdID"" value="" +
idproduct + "">
    Response.Write "<TABLE width=80% BORDER=0>
    txtimgpath = DetermineCategoryAndPath(rs("ProductCategory"))
    Response.Write "<TD align=middle rowspan=5 ><img src="images/" + rs("ProductImage") + "" border=1></TD>"
    Response.Write "<TR>
    Response.Write "<TD bgcolor=#FFCC99><b><font color=#CC6600>Name:</b></TD>
    Response.Write "<TD>
    Response.Write "<TR>
    Response.Write "<TR>
    response.Write "<TD bgcolor=#FFCC99><b><font color=#CC6600>Name:</b></TD>
    Response.Write "<TD>
    Response.Write "<TD>" + sProduct + "</TD>"
Response.Write "</TR>"
%>

<html>
<!-#INCLUDE FILE="NavigationBar.asp" -->

<head>
<meta NAME="GENERATOR" Content="Microsoft FrontPage 4.0">
<TITLE>MarocMart_ShoppingPaws</TITLE>
</head>

<body vlink="#FFCC99" alink="#FF9933" link="#CC6600">

<font face="Tempus Sans ITC" color="#FF9933">
<br><br><br>
</font>

<TABLE width=100%>

</body>

</html>
<TR>
  <TD align=left >
    <p align="center"><font color="#CC6600" size="5" face="Tempus Sans ITC">Shopping Cart</font></p>
  </TD>
</TR>
</TABLE>
<font face="Tempus Sans ITC" color="#FF9933">
  <BR><br>
  <% ' The user hasn't log in, therefore it won't be able to see its ShoppingCart 
    if Session( "id" ) = 0 then 
  %>
  <center>
  </center>
  <br><br><br>
  <TABLE width=70% bordercolorlight="#CC6600" border="1" bordercolordark="#CC6600">
    <TR>
      <TD align=center><font color="#FF9933" bordercolorlight="#GG6600" bordercolordark="#GG6600">
        <p align="center">
          <font face="Tempus Sans ITC" color="#FF9933" size="4">
            You must login first to have access to your Shopping Cart</font><font face="Tempus Sans ITC" color="#GG6600" size="4">.</font></b>
        </p>
      </TD>
    </TR>
  </TABLE>
</font>
  <br>
  <% 'The user has logged in. There are two options: 
    ' 1) User wants to check Shopping Cart without adding anything (or comes 
      from shoppingPaws links 
    ' 2) User wants to add a new item to Shopping Cart 
  else 
    Dim txtProdID 
    txtProdID = Request.QueryString( "ProdID" )
    ' Case 1 
    If txtProdID = "view" Then 
    %>
      <BR><BR><BR><BR><br>
      <br><font color="#663300" face="Tempus Sans ITC" size="4">Hi <% Response.Write ( Session( "USR" ) ) %> !!.
    </font>
  <%
    ViewShoppingPaw( Session("id") )
    ' Case 2
Else
  <%>
  <BR><BR><BR><BR><b><fontcolor="#663300" face="Tempus Sans ITC" size="4">%
  If TotalRecords(Session("id")) > 0 Then
  %>
  <% Response.Write (Session( "USR" )) %>, <b><font color="#663300" face="Tempus Sans ITC" size="4">you had previously in your Shopping Cart:<BR><BR><BR><BR>
  <b><font bolor="#663300" face="Tempus Sans ITC" size="4">DisplayCartContent (Session("id")), 0
  %>
  <b><font color="#663300" face="Tempus Sans ITC" size="4">And your selection is:<BR><BR><BR><BR>
  </b><font color="#663300" face="Tempus Sans ITC" size="4">%>
  Else
  %>
  <% Response.Write (Session( "USR" )) %>, <b><font color="#663300" face="Tempus Sans ITC" size="4">your selection is:<BR><BR><BR><BR>
  <b><font color="#663300" face="Tempus Sans ITC" size="4">End If
  AddProduct Session("id"), txtProdID
  End If
  End If %>
  </font><b>
  <BR><BR><BR><BR><BR><BR>
  <!-#INCLUDE FILE="Footer.asp" ->
  </body>
  </html>

ModifyActualProducts.asp

<%@ Language=VBScript %>
<!- #INCLUDE FILE="utilities.asp" -->
<%
'Routine in charge of displaying actual elements in a ShoppingCart
Sub DeleteProductFromShoppingCart()
    Dim rs, sSQL
    OpenDB("MarocMart4.mdb")
    If Err.description = "" Then
        sSQL = "DELETE FROM ShoppingCart WHERE CustomerID="
        sSQL = sSQL + CStr(iCustID)
        sSQL = sSQL + " and ProductID="
        sSQL = sSQL + strProdID + ""
        Set rs = cn.Execute(sSQL)
        If Err.description <> "" Then
            Response.Write "<br>RemovePurchases: " + Err.description
            Response.Write "<br>RemovePurchases: " + sSQL
            CheckConnectionErrors cn
        End If
    End If
    rs.Close
    Set rs = Nothing
    CloseDB()
End Sub

'Global variables
Dim iNewQty, iCustID, strProdID
Dim intRow
'Retrieving values from form. Routine DisplayCartContent() in utilities.asp
iCustID = Request.Form("iCustomerID")
' Retrieves the total number of TXT fields named ActualQty+Number
Dim intTotalElements
intTotalElements = CInt(Request.Form("hdnTotalRows"))

For intRow = 1 To intTotalElements
    strProdID = Request.Form("txtProductID" & intRow)
    Response.Write "product " + strProdID
    iNewQty = Request.Form("ActualQty" & intRow)
    Response.Write "&nbsp;Quantity " + iNewQty + "<BR>"
    ' if user input 0 in the quantity field, then he/she wants to delete that product from ShoppingCart
    If iNewQty = 0 then
        DeleteProductFromShoppingCart()
    Else
        UpdateQty iNewQty, strProdID, iCustID
    End if
Next
Response.Redirect "ShoppingPaws.asp?ProdID=view"
%

AddProduct.asp

<%@ Language=VBScript %>
<!-- #INCLUDE FILE="utilities.asp" -->
<html>
<!-- #INCLUDE FILE="NavigationBar.asp" -->
<head>
<meta http-equiv="Content-Type" content="text/html; charset=windows-1252">
<meta http-equiv="Content-Language" content="en-us">
<meta name="GENERATOR" content="Microsoft FrontPage 4.0">
<meta name="ProgId" content="FrontPage.Editor.Document">
<title>MarocMart_AddProduct</title>
</head>

<body>

' This routine adds a product to the shopping cart
Public Function AddPurchase(custid, idProduct, iQty)
On Error Resume Next
    Dim rs, sSQL, iTOTAL, curPrice
    OpenDB("MarocMart4.mdb")
    If Err.description = "" Then
        sSQL = "SELECT Price FROM Products WHERE ProductID= "" & idProduct
        sSQL = sSQL + ""
        Set rs = cn.Execute(sSQL)
    If Err.description <> "" Then
        Response.Write "<br>AddPurchase::GetUnitPrice(): "+ Err.description
        CheckConnectionErrors cn
    Else
        curPrice = rs("Price")
        sSQL = "INSERT INTO ShoppingCart(CustomerID, ProductID, Price, Quantity) VALUES( "

136
sSQL = sSQL + CStr(custid)  
'sSQL = sSQL + ",1"
'sSQL = sSQL + "," + idProduct + ","
'sSQL = sSQL + "," + CStr(curPrice)  
'sSQL = sSQL + "," + CStr(iQty)  
'sSQL = sSQL + ")"
' Cleaning the variable
rs.Close  
Set rs = Nothing

Set rs = cn.Execute( sSQL )
If Err.description <> "" Then  
    Response.Write "<br>AddPurchase::AddToCart(): " + Err.description  
    Response.Write "<br>AddPurchase::AddToCart(): " + sSQL  
    CheckConnectionErrors cn  
End If  
End If  
rs.Close  
Set rs=Nothing  
CloseDB()  
End Function

' This function looks in the table ShoppingCart if the product already exists  
' If it does, then it adds up the quantity to what the quantity was before  
' If it doesn't, it Adds the product to the ShoppingCart table
Function ProductExistInCart  
On Error Resume Next  
Dim rs, sSQL  
OpenDB("MarocMart4.mdb")  
If Err.description = "" Then  
    sSQL = "SELECT Quantity FROM ShoppingCart WHERE ProductID= "'  
    sSQL = sSQL + ProdID + ""
    Set rs = cn.Execute( sSQL )  
    If Err.description <> "" Then  
        Response.Write "<br>ProductExistInCart::GetQuantity(): " +  
        Err.description  
        CheckConnectionErrors cn  
    Else  
        If rs("Quantity") > 0 then  
            ProductExistInCart = rs("Quantity")  
        Else  
            ProductExistInCart = 0  
        End If  
    End If  
End If  

End Function
End if
End Function

Dim ProdID, QtyToBuy
ProdID = Request.Form("txtProdlD")
QtyToBuy = Request.Form("Qty")
'Response.Write "here we go " + CStr(Session("id"))
If ProductExistInCart then
    QtyToBuy = QtyToBuy + ProductExistlnCart
    UpdateQty QtyToBuy, ProdID, Session("id")
else
    AddPurchase Session("id"), ProdID, QtyToBuy
End If
Response.Redirect "ShoppingPaws.asp?ProdlD=view"

%%>
</body>
</html>

CC-Info.asp

<%@ Language=VBScript %>

<!-- #INCLUDE FILE="utilities.asp" -->
<script ID="clientEventHandlersJS" LANGUAGE="javascript">
<!--

function CC_onsubmit()
{
    bSuccess = true;
    if ("" == CCInfo.CCNumber.value)
    {
        alert("Please enter your Credit Card Number");
        document.CCInfo.CCNumber.focus();
        bSuccess = false;
    }
    return bSuccess;
}
//-->
</script>
<font face="Tempus Sans ITC" color="#CC6600">
<br><br><br>
<TABLE WIDTH=763 ALIGN=center BORDER=0 CELLPACING=1 CELLPADDING=1 height="567">
  <TR>
    <TD height="162" width="614">
      <p align="center"><font color="SaddleBrown" face="Tempus Sans ITC" size="4"><b>Please provide your Credit Card Information!</b></font>
      <br><br>
      <p align="center"><font face="Tempus Sans ITC" color="#CC6600">
        <br><br>
        <br><br>
      </p>
    </TD>
  </TR>
</TABLE>
</font>
<font face="Tempus Sans ITC" color="#CC6600"><b>Card Type</b>: Visa, MasterCard, American Express</font>

Card Number: <input type="text" name="CCNumber">

Name of Card Holder: <input size="30" name="Cardholder">

Expiration Date: <select name="Month">
  <option value="01" selected>01</option>
  <option value="02">02</option>
  <option value="03">03</option>
  <option value="04">04</option>
  <option value="05">05</option>
  <option value="06">06</option>
</select>
Public Function MovePurchasesToOrders(idCustomer)  
Dim rs, rsOrders, sSQL, ITotal, curPrice  
Dim lProduct, lQuantity, lDiscount, lPrice
  
OpenDB("MarocMart4.mdb")
  
  If Err.description = "" Then  
    sSQL = "SELECT ProductID, Quantity, Price FROM ShoppingCart WHERE CustomerID="
    sSQL = sSQL + CStr(idCustomer)
    Set rs = cn.Execute( sSQL )  
    If Err.description <> "" Then  
      Response.Write "<br>MovePurchases::GetShoppingCart(): " + Err.description
      CheckConnectionErrors cn
    Else  
      Do While Not rs.EOF  
        lProduct = rs("ProductID")
        lQuantity = rs("Quantity")
        lPrice = rs("Price")
        ' For class purposes I assigned the order number 1 to every client, this way all products  
        ' bought by a client will be grouped in only one order
        sSQL = "INSERT INTO Orders(OrderNumber, CustomerID, 
ProductID, Quantity, Price) VALUES( "
```vbs
sSQL = sSQL + "1"

sSQL = sSQL + "," + CStr(idCustomer)

sSQL = sSQL + "," + IProduct + ""

sSQL = sSQL + "," + CStr(IQuantity)

sSQL = sSQL + "," + CStr(IPrice)

sSQL = sSQL + ")"

Set rsOrders = Nothing
Err.Clear
Set rsOrders = cn.Execute(sSQL)
If Err.description <> "" Then
    Response.Write "Error Inserting Order: " + Err.description
    CheckConnectionErrors cn
    Exit Do
End If

rs.MoveNext
End If
End If

rs.Close
Set rsOrders = Nothing
Set rs = Nothing
CloseDB
End Function

'Displays the contento of the customer's order
Public Function DisplayOrderContent(idCustomer) On Error Resume Next

Dim rs, sSQL, ITotal, curPrice
Dim sProduct, IQuantity, IPrice, ISandH, IProdCategory, Ipartialtotal

OpenDB("MarocMart4.mdb")
If Err.description = "" Then
    sSQL = "SELECT ProductName, Quantity, Products.Price, ProductCategory FROM Products"
    sSQL = sSQL + " INNER JOIN Orders ON Orders.ProductID=Products.ProductID"
    sSQL = sSQL + " WHERE CustomerID="
    sSQL = sSQL + CStr(idCustomer)
    Set rs = cn.Execute(sSQL)
If Err.description <> "" Then
    Response.Write "<br> ShowOrder::GetOrder(): " + Err.description
    Response.Write "<br> ShowOrder::GetOrder(): " + sSQL
    CheckConnectionErrors cn
```
Else
    Response.Write "<center><TABLE width=80% BORDER=1 bordercol'pr=#CC6600><TR>"
    Response.Write "<TD align=center> <font color=#663300><B>Product Name</B></TD>"
    Response.Write "<TD align=center> <font color=#663300><B>Quantity</B></TD>"
    Response.Write "<TD align=center> <font color=#663300><B>Price</B></TD>"
    Response.Write "<TD align=center><font color=#663300><B>Total</B></TD></TR>"
    ITotal = 0
    ISandH = 0
    Do While Not rs.EOF
    sProduct = rs("ProductName")
    IQuantity = rs("Quantity")
    IPrice = rs("Price")
    Ipartialtotal = IPrice * IQuantity
    ITotal = ITotal + Ipartialtotal
    IProdCategory = rs("ProductCategory")
    Select Case IProdCategory
        Case 1 ISandH = ISandH + 10
        Case 2 ISandH = ISandH + 10
        Case 3 ISandH = ISandH + 5
        Case 4 ISandH = ISandH + 8
        Case 5 ISandH = ISandH + 8
        Case 6 ISandH = ISandH + 8
        Case 7 ISandH = ISandH + 12
        Case 8 ISandH = ISandH + 10
        Case 9 ISandH = ISandH + 9
        Case 10 ISandH = ISandH + 15
        Case 11 ISandH = ISandH + 20
        Case 12 ISandH = ISandH + 20
        Case 13 ISandH = ISandH + 12
        Case 14 ISandH = ISandH + 12
        Case 15 ISandH = ISandH + 5
        Case 16 ISandH = ISandH + 5
        Case Else ISandH = ISandH + 0
    End Select
    Response.Write "<TR>"
    Response.Write "<TD>" + sProduct + "</TD>"
    Response.Write "<TD align=center>" + CStr(IQuantity) + "</TD>"
    Response.Write "<TD align=right>" + FormatCurrency(IPrice) + 
"</TD>"
"<TD align=right"> + FormatCurrency(lpartialtotal) +

Response.Write "</TR>

    rs.MoveNext
Loop
Response.Write "<TR><TD colspan=4 align=right> <font color=#663300><B>Total Order Price: </B>" + FormatCurrency( lTotal )+"</td></TR>"
    Response.Write "<TR><TD colspan=4 align=right> <font color=#663300><B>Shipping & Handling: </B>" + FormatCurrency( ISandH )+"</td></TR>"
    Response.Write "<TR><TD colspan=4 align=right> <font color=#663300><B>Grand Total: </B>" + FormatCurrency( lTotal + ISandH )+"</td></TR>"
    Response.Write "</TABLE></center>"
End If
End If
rs.Close
Set rs = Nothing
CloseDB()
End Function
' Once the shopping cart content is passed to the orders table, delete this info from shopping cart table
Public Function RemovePurchasesFromShoppingCart( idCustomer )
    Dim rs, sSQL

    OpenDB("MarocMart4.mdb")
    If Err.description = "" Then
        sSQL = "DELETE FROM ShoppingCart WHERE CustomerID= "
        sSQL = sSQL + CStr(idCustomer)
        Set rs = cn.Execute( sSQL )
    If Err.description <> "" Then
        Response.Write "<br>RemovePurchases: " + Err.description
        Response.Write "<br>RemovePurchases: " + sSQL
        CheckConnectionErrors cn
    End If
    End If

    'rs.Close
    Set rs = Nothing
    CloseDB()
End Function
%>
<html>
<!-- #INCLUDE FILE="NavigationBar.asp" -->
<head>
<meta NAME="GENERATOR" Content="Microsoft FrontPage 4.0">
<TITLE>MarocMart_AddingElementToYourShoppingPaw</TITLE>
</head>
<body vlink="#FFCC99" alink="#FF9933" link="#CC6600">
<font face="Tempus Sans ITC" color="#CC9900">
<br><br><br>
<TABLE width=100%>
   <TR>
      <td align=Center><FONT size=5 color="#CC6600"><STRONG>Checking Out</STRONG></FONT></td>
   </TR>
</TABLE>
<br><br><br>
<% MovePurchasesToOrders( Session( "id" ) )
   If Err.description = "" Then
      RemovePurchasesFromShoppingCart( Session("id") )
      Response.Write "<BR><TABLE align=center><TR><TD align=center><B><font face=Tempus Sans ITC color=#FF9933 size=4>Thank You" + Session("USR") + "!<BR>Your order has been confirmed!</B></TD></TR></TABLE><BR>"
   Else
      DisplayOrderContent Session("id")
   End If
%>
</body>
</html>
Customerservice.asp

<html>
<!-#INCLUDE FILE="NavigationBar.asp"-->

<head>
<meta http-equiv="Content-Type" content="text/html; charset=windows-1252">
<meta name="GENERATOR" content="Microsoft FrontPage 4.0">
<meta name="ProgId" content="FrontPage.Editor.Document">
<title>Marocmart_CustomerService</title>
</head>

<body vlink="#FFCC99" alink="#FF9933" link="#CC6600">
<br><br><br>
<p align="center"><b><font face="Tempus Sans ITC" color="#CC6600" size="5">Customer Service</font></b></p>
<br><br>
<br><br><br>
<table Width=50% Border=0>
<font color="#996633" face="Tempus Sans ITC" size="3"><b>
<p><img border="0" src="Images/Bullet1.gif">How to Order</p>
</b></font>
</table>
</body>
</html>
Q. I placed an order but my shopping cart didn’t show it.<br>
A. Our shopping cart software sends cookie so that it can remember and greet you when you come back to shop again. This usually happens when the cookies option is turned off in your browser settings.

Q. Can I pay by personal check or money order?<br>
A. We do not accept personal checks or money orders at this time. We do accept Visa, MasterCard, Discover Card, and American express.

Q. The shopping cart won’t take my credit card.<br>
A. First, make sure a valid credit card number is keyed in. Also, don’t type any slashes, dashes, or spaces as you input the credit card number and expiration date. Make sure that the zip code in billing matches that where your credit card statement is mailed to. This is a security feature. If all of the above is correct you should have no problem proceeding.

Q. How long does it take for you to ship my order?<br>
A. We usually ship within 48 to 72 hours after receiving your order & payment. In the rare occasion that we don’t have your desired item in stock, we will contact you and advise you of such.
<b>Q.</b> Where are you located and where do you ship from?<br>
<b>A.</b> We are located and ship from Rabat, Morocco.

<b>Q.</b> Do you provide a gift wrap service?<br>
<b>A.</b> No, not at the moment. We will post it on the website when we start that service.

<b>Q.</b> I have so many other questions that were not answered. What do I do?<br>
<b>A.</b> Please send us an email with all your questions. We will do our best to answer them promptly and accurately. We will post Frequently Asked Questions on this page as they come up. Fill out <a href="ContactUs.asp">Contact us form</a>.

FindingItems.asp

<!DOCTYPE html>
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=windows-1252">
<meta name="GENERATOR" content="Microsoft FrontPage 4.0">
<meta name="ProgId" content="FrontPage.Editor.Document">
<title>MarocMart_FindingItems</title>
</head>
<body>

</body>
</html>
Shopping at MarocMart couldn't be easier! To find an item of interest, there are couple ways to locate items on our site: At the right side of the home page, you will find a menu that allows you to view items within a defined category. You can also browse the items by clicking on site map link at the bottom of the page.

Once you arrive at a particular category page, you will see a list of available items including pictures, prices, description and dimensions. Simply click on the detail link to see large picture.

Every item we sell has been had made by a variety of Moroccan talent, from skilled artists to dedicated children's groups. As a result, there may be slight variation form piece to piece. Thought we make every effort to display each item as realistically as possible, the item you receive may be slightly different than that pictured. These subtle differences only enhance the beauty and value of each piece, ensuring your purchases is truly one pf a kind.

If you have any questions about a particular item, let us known by filling out the <a href="ContactUs.asp" >contact us form</a>.

</font></p>
</td>
</tr>
</table>

<BR><BR><BR><BR>

<!-- #INCLUDE FILE="footer.asp" -->
How to Order

As you navigate through our site, you can click on different items that interest you with or without the intention of buying them. Once you have found an item you'd like simply click the &nbsp; add to cart button and the item will added to your shopping cart. <br><br>

Putting something in your cart does not commit you to buying it. After you put in your shopping cart, you can choose to place the order immediately or continue shopping. <br><br>
You may click on the keep shopping button to return to the MarocMart home page and continue browsing. When you're finished and want to place the order, you can get back to your shopping basket by clicking on the shopping cart income at the top of the page or the the test link at the bottom. <br><br>

Once you put everything in your shopping cart, you can go through the items picked and either adjust quantities or delete unwanted items. Click on checkout link and you should be ready to check out. Next, you must fill out all the required fields on the credit card form to complete the order. Shortly after completing your order you will receive an email verifying the quantity of each item ordered, total purchase amount and address where the order will be shipped. If here are any mistakes in this confirmation please email us back immediately to correct them before the order is shipped.

OrderingSecurity.asp

<html>
<!-- #INCLUDE FILE="NavigationBar.asp" -->
</head>
<body>
</html>
MarocMart pledges that all online transactions are handled with industry-standard SSL encryption, which provides the confidentiality of your transactions. When you enter your personal information into the order form, it is transmitted across the Internet in an encrypted form, then decoded when it gets to the credit card processing center. Furthermore, your credit card number is not stored on any of our servers or on our business computers, nor is it printed and filed offline. It is more likely to get exposed to fraud by the paper copies of receipts at restaurants and shops, than online. For added security, our online gateway also encrypts the credit card number when it is stored on disk, and when they forward it to us.

We take credit card fraud very seriously. When we receive an order, our address verification software matches the credit card number to the name, complete address and zip code of the cardholder. If there is any discrepancy the card is not charged and the customer is notified to resolve the situation.

You can rest assured that not only are we committed to preventing credit card fraud and protecting information you submit while shopping with us, but we also do everything in our power to prevent the attempted use of stolen credit cards on our site. Although our ordering process is of highest security. Skepticism is understood and prevention is always better than cure.
We respect your privacy. We have subscribed to this privacy statement in order to demonstrate our commitment to our visitors' and customers' privacy. The following discloses our information gathering and practices for our website: www.MarocMart.com.

When shopping at our site or responding to a survey, you may be asked to provide certain personally identifiable information about yourself, such as your name, email address, physical address, or telephone number. For purchases, we require a name, physical address, telephone number and credit card number.

We use personal information provided on order forms, such as a purchaser's name, email address, physical address, and credit card, to fulfill merchandise orders. We may also use order information to contact a purchaser when necessary, such as when a delivery may be delayed or when an ordered product is out of stock. We may use personal information to notify consumers about new sales, products, or services. If we do, we will provide you with an email address by which you may inform us that you do not wish to receive such materials in the future and we will cease such emails.
promptly. MarocMart will not share, sell, or provide any personal information without your permission with anyone else, unless required by law.<br><br>

Such is our policy, and we are proud of it. We treat and handle our customers the way we would like to be treated and handled!</p>

</table>

</td>
</tr>
</table>

</BR><BR><BR><BR>
<!-#INCLUDE FILE="footer.asp" -->

</body>

</html>

ReturnPolicy.asp

<html>

<!-#INCLUDE FILE="NavigationBar.asp" -->

<head>

<meta http-equiv="Content-Type" content="text/html; charset=windows-1252">
<meta name="GENERATOR" content="Microsoft FrontPage 4.0">
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156
It is no secret that e-commerce is still in its embryonic stage. We realize that not everyone is comfortable with purchasing items online, especially items where the feel, smell, and the up-close examination of the object are critical parts of the purchase process. We expect many of our customers not to be familiar with our type merchandise and do not necessarily know what to expect.

MarocMart is committed to achieving total customer satisfaction. If you are not satisfied with your purchase for any reason, simply return the item within 30 days of receipt in original condition for a full refund of the purchase price. We will notify you via e-mail of your refund once we have received the returned item.

An extended 60 days money back guarantee, when specified, is available on our high end and antique merchandise. This extended guarantee is designed for our Antique items to allow for ample time for appraisal and authentication.

Please note that we can refund shipping costs as well only if the return is a result of our error. If an item is damaged in transit, or the incorrect item is sent to you, we will refund the full purchase price of the item, plus return shipping.

IMPORTANT: Due to strict shipping and claim handling policies, damaged product claims will only be accepted and honored within 48 hours of receipt of order.
Shipping Guidelines

All merchandise in stock will be shipped within 2-3 business days of receipt of order via UPS which takes 2-7 business days depending on the destination. If the product is out of stock, you will be notified by an automatic email. You will be advised of the delay time and the option to wait for your shipment or cancel your order.

Unless otherwise requested UPS remains our preferred shipping method. It has proven most cost effective and reliable service available. We are also able to accommodate special shipping requests expedited delivery. Due to our pricing structure however, special shipping requests may require additional costs. If you require special shipping please indicate this in the contact us form and we will notify you of any applicable surcharges.

Sometimes we elect to use USPS (The Postal Service) at our discretion and we are 100% responsible for the loss or damage of your acquired item(s). Should you purchase one of our heavy merchandise that cannot be shipped via courier, we will advise you of alternative methods i.e.: trucking company, freight etc.
ContactUs.asp

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  }
  else
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160
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* Information is required</strong></center>

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Morocco.asp

<html>

<!-- #INCLUDE FILE="NavigationBar.asp" -->

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</body>

</html>
About Morocco

"My mum told me we were going to seaside, but dad said we were visiting Africa... So we did both."

"... On the northern most part of the African continent, bordered by the Atlantic ocean, the Mediterranean and the Sahara Desert, is located a country with everything to offer... Morocco means beautiful sandy beaches in exotic, tranquil resort towns, if that what you're after... But it also means castles and forts, markets and mosques, mountain and deserts..."
Please select an option from the following!

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        <p><img border="0" src="Images/Bullet1.gif"> <a href="Usefulsites.asp">Learn More</a></p>
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EconomicData.asp

<html>
Economic Data

**Agriculture:**
There are 8 million hectares of arable lands, 1 million of them irrigated. The main crops are cereals, pulses, vegetables and fruits including citrus, industrial crops, olives, oilseeds and vineyards.

**Livestock:**
There were 21.8 million head of cattle, sheep and goats in 1999. With a coastline 3,500 Km long, Morocco has a high fisheries potential. In 1999, production was 727,000 tons for domestic consumption, export and the processing industry.

**Fisheries:**
Phosphates, which account for 75% of world reserves, are the main mining resource. Annual output is 22.2 million tons. Other minerals include lead, copper, barites, zinc, manganese and fluorine. Energy production is 9.6 million T.E.P.
Hydrocarbons: Recent discovery of the oil and gas of good quality and in abundant quantity in Talsint. The browsing carried out by several international companies are promising.

Tourism:
An expanding and dynamic sector, it earned 18.8 billion dirhams in 1999.

Processing Industries
Industrial output in 1999 was 152 billion dirhams produced by 6663 enterprises employing nearly 496,576. The enterprises with foreign capital (1031) accounted for 33% of industrial production. Value added in processing industries was 54 billion dirhams. Exports were worth 38 billion dirhams.

FOREIGN TRADE
Morocco has adopted a liberal foreign trade policy. Nearly all products can be freely imported, exchange controls have been greatly liberalized, both for imports and exports, as well as customs clearance procedures. Foreign trade was 178.2 billion dirhams in 1999 of which 105.9 billion imports and 72.3 billion exports. Morocco's main trading partners are Europe (72%), Asia (14.4%), the America (8.9%), Africa (4.4%), and Oceania (0.5%).

Foreign Investment:
Resident or non-resident foreigners can invest freely in all economic sectors without any prior authorization. Investment can be financed with foreign currency or convertible dirhams. Exchange controls guarantee foreign investors that they can transfer capital, profits and the net increase in value on cessation. Foreign investments have reached 18.48 billion dirhams in 1999, mainly in telecommunications, industry, bank, property, tourism and other sectors.

Investment Incentives:
Morocco encourages free enterprise and private investment, whether national or foreign, considering it vital to economic and industrial development.

New incentives came into force in Morocco in October 1995 known as «The Investment Charter».
General Information.asp

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Prime Minister: Abderrahmane El Youssoufi (1998)
Area: 446,550 km² (172,413 sq. mi.)
Population: 30,122,350
Capital (1993 est.): Rabat, 1,220,000
Largest cities: Casablanca, 2,943,000; Marrakech, 602,000; Fez, 564,000; Salé, 521,000
Monetary unit: Dirham
Languages: Arabic, French, Berber dialects, Spanish
Ethnicity/race: Arab-Berber 99.1%, other 0.7%, Jewish 0.2%
Religions: Islam, 98.7%, Christian, 1.1%; Jewish, 0.2%

Geography
Total area: 712,550 sq km
Land: 712,300 sq km
Water: 400 sq km
Lowest point: Sebkha Tah -55 m
Highest point: Jebel Toubkal 4,165 m
Morocco is located at the northwest of Africa. It is bordered in the north by the strait of Gibraltar and the Mediterranean sea, to the south by Mauritania, to the east by Algeria and to the west by the Atlantic Ocean. The Moroccan coast extends over 3,500 km.
Terrain: northern coast and interior are mountainous with large areas of bordering plateaus, intermontane valleys, and rich coastal plains
Weather: The dominating weather in Morocco is Mediterranean, tempered in the west and the north by the Atlantic Ocean. Inside the country, the weather is more continental with significant differences of temperature. The Atlas area is very humid, it snows frequently. The south has a desert weather.
Natural resources: phosphates, iron ore, manganese, lead, zinc, fish, salt and petroluem
Natural hazards: northern mountains geologically unstable and subject to earthquakes; periodic droughts
Environment—current issues: land degradation/desertification (soil erosion resulting from farming of marginal areas, overgrazing, destruction of vegetation); water supplies contaminated by raw sewage; siltation of reservoirs; oil pollution of coastal waters
Geography—note: strategic location along Strait of Gibraltar.

Government
Constitutional monarchy
Constitution: 10 March 1972, revised 4 September 1992, amended (to create bicameral legislature) September 1996
Legal system: based on Islamic law and French and Spanish
civil law system; judicial review of legislative acts in Constitutional Chamber of Supreme Court

Suffrage: 21 years of age; universal

Executive branch

Head of state: King MOHAMMED VI (since 30 JULY 1999)

Head of government: Prime Minister Abderrahmane YOUSSOUFI from Socialist Union of Popular Forces or USFP (in a socialist and center coalition since 14 March 1998)

Legislative branch

Bicameral Parliament consists of an upper house or Chamber of Counselors (270 seats; members elected indirectly by local councils, professional organizations, and labor syndicates for nine-year terms; one-third of the members are renewed every three years) and a lower house or Chamber of Representatives (325 seats; members elected by popular vote for five-year terms)

Judicial branch

Supreme Court, judges are appointed on the recommendation of the Supreme Council of the Judiciary, presided over by the monarch

Most important political parties: Socialist parties: Socialist Union of Popular Forces or USFP, Istiqlal Party or IP, Party of Progress and Socialism or PPS, Organization of Democratic and Popular Action or OADP, Democratic Socialist Party or PSD, Democratic Forces Front or FFD, Popular Constitutional and Democratic Movement or MPCD

Opposition parties: Constitutional Union or UC, Popular Movement or MP, National Democratic Party or PND, National Popular Movement or MNP, Social Democratic Movement or MDS

Independents: National Rally of Independents or RNI, Democracy and Istiqlal Party or PDI, Action Party or PA, Labor Party or UT.

People

Most Moroccans are an ethnic and cultural blend of Arab and Berber stock. Over centuries of coexistence and intermarriage, the distinction between these two groups has become virtually negligible, except in the most remote regions. Morocco’s population also includes a minority Jewish population, which is the remnant of a significant pre-1948 population, as well as a small number of people from other African nations and Europeans. In addition, an indeterminate number of Sahrawi are counted among the Moroccan population. These people, native to the disputed territory of Western Sahara, when living in territories claimed by Morocco, are counted as Moroccans by the government without distinction. The majority of Moroccans are Sunni Muslims, although Christianity and Judaism are often practiced by the non Arab-Berber minorities.

Most people live west of the Atlas Mountains. Because it is concentrated in this region, the country’s population is insulated from the Sahara Desert. Rabat, the capital city, is the seat of government; Casablanca is the center of commerce and
industry as well as the leading port; Tangiers is the gateway to Morocco from Spain and is also a major port; Fes, MeknPs and Marrakech are also historic, "imperial" cities and remain important as regional centers of government, commerce and tourism. Education is stressed by the government at all levels and battling illiteracy is an important mission of the government.

**Demographic summary**

- Total population: 30,122,350 inhabitants (July 2000 est.)
- Areal: 446,300 km²
- Average density: 67.49 hab/km²
- Rate of urbanization: 51.4%

**Structure by age**

- 0-14 years: 35% (male 5,372,393; female 5,175,114)
- 15-64 years: 60% (male 9,021,259; female 9,163,548)
- 65 years and over: 5% (male 632,698; female 757,338) (2000 est.)

**Population growth rate**: 1.74% (2000 est.)
**Birth rate**: 24.6 births/1,000 population (2000 est.)
**Death rate**: 6.02 deaths/1,000 population (2000 est.)
**Fertility rate**: 3.13 children per woman
**Life expectancy at birth**: 69 years, 67 years for men, 71 years for women

**Sex ratio**

- At birth: 1.05 male(s)/female
- Under 15 years: 1.04 male(s)/female
- 15-64 years: 0.98 male(s)/female
- 65 years and over: 0.84 male(s)/female

**Total population**: 1 male(s)/female (2000 est.)
**Literacy**: 45%; 61% in urban areas, 24.5% in rural areas; 57% for men, and 32% for women (1995).

**Handicrafts.asp**

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Morocco, with its old traditions and the diversity of its population and culture, has maintained high standards of quality in its heritage of handicrafts, including carpets, traditional dress, jewels, pottery, ceramics, carved wood, carved zellij and plaster. The handicrafts sector holds a significant position in Moroccan economy (8% of GDP) and employs an important segment of the labor force, the 2nd place after agriculture. Concerning foreign currency earnings, the handicrafts sector ranks 5th after remittances from Moroccan nationals abroad, phosphate exports, agriculture and tourism.  

444 co-operatives with more than 20,686 members have been set up so far. Furthermore, the Marrakesh region holds the 1st place with 81 co-operatives (18%), followed by Casablanca with 72 cooperatives (18%) and Rabat with 61 cooperatives (14%).

Moroccan handicrafts are widely acclaimed abroad because they serve both ornamental and functional purposes. There is a strong demand for this combination among foreign consumers.
Investments in Handicrafts:

- Total amount: 62.01 MDH
- New jobs: 2,149
- Surface of stamped carpets: 899,901 sq.m in 1994
- Traditional carpets: 589,434 sq.m
- Town carpets: 310,467 sq.m

Exports of Handicraft Goods:

- 531,869,000 Dh

Carpets remain the main product among exports of handicraft articles. Total sales amount to 272.8 MDH for an overall surface of 778,936 sq.m. This figure represents 51.01% of the total value of exported handicraft goods.

The European Union (particularly Germany) is the main importer of Moroccan handicraft products. The United States of America and Canada hold the 2nd position, followed by Arab and African countries. Japan, Austria, Denmark and Norway are new markets for Moroccan handicrafts.

Cooperative Movement:

In 1996, 46 new cooperatives were created, gathering 979 producers, with a growth of 4% in comparison with 1995 (32 cooperatives gathering 1,051 producers).

The total number of cooperatives went up from 297 in 1995 (11,314 producers) to 343 in 1996 (gathering 12,322 producers), which is an annual growth rate of 15%.
Since the beginning of history there have been Berbers in North Africa and they were already well established when the Phoenicians made their first incursions in 1200 BC. Their origins are uncertain but thought to be Euro-Asiatic, the generic name Berbers, was imposed on them by the Arabs meaning those who were not Arabs.

The Sanhaja and Zenata: 

The Sanhaja, from which sprang the Almoravide dynasty (the founders of Marrakesh) were nomads who in the 11C conquered the desert and much of the region to the south of it for Islam; the Masmouda were quiet farming people who lived in the north and west and in the High and Anti Atlas mountains and it was they who gave rise (from out Tin Mal, S of Marrakesh to the Almohade Dynasty which displaced the Almoravides; the Zenata a sub-group of which the - Beni Marin- swept in from the empty region between the Tafilalet and Algeria to become the great Merinide dynasty, were tough, horse-riding nomads of the cold high plateaux of the interior.
Joined to the Arabs only by Islam, the Berbers have always held themselves proudly separate in all other matters, especially in the rural and mountain areas. There is no standard form of Berber language since each tribal group has always used its own version, and there is no recognized Berber script or literature. Their strongest form of self-expression is music and dancing, which is rhythmic but with little harmony, compelling, loud and often quite intoxicating.

The Phoenicians and Carthaginians:

The first invaders are believed to have been the Phoenicians, coming from the land known then as Canaan in the Eastern Mediterranean in the 12C BC. Gradually they established trading posts along the north coast of Africa and traces at their occupation have been found at Lixus (Likis), which was probably the earliest, Tangier (Tangis)Mellilia (Russadir) Chellah part of Rahat and Tamuda (near Tetouan). These traces are usually in the form of fish-salting factories and are often heavily overlaid by Roman remains. The Phoenicians were essentially a maritime people, not interested in conquering or colonizing, and paying scant attention to the primitive berber tribes and poor agricultural land of the interior; therefore, their colonies were little more than enclaves along the coast, separated by great open spaces of wasteland which they did not need. Their main center of influence was Carthage (Tunisia). When Carthage became an independent state, the more civilized Carthaginians arrived and turned the north coast settlements into prosperous towns; they are known to have developed the fish salting and preserving into quite a major industry and their anchovy paste, called "garum" was widely exported. They also grew wheat and probably introduced the grape.

The Carthaginians exercised a considerable cultural influence on the Berbers even long after the Sack of Carthage in 146 BC; indeed, it probably increased at that time as hundreds of Carthagians fled westwards and took refuge from the Romans in the friendly enclaves along the coast.

The Romans:

After they had taken Carthage, the Romans moved westwards into the Berber kingdoms of Mauritania and Numidia (Algeria now) which became part of the Roman Empire. In 13 BC the Emperor Octavius granted the kingdom of Mauritania to the young Berber prince, Juba, son of Juba I of Numidia who had committed suicide 13 years earlier after the defeat by the Romans at the battle of Thapsus. In 258(2 they added the whole of Numidia to his realm. Educated in Rome and married to the daughter of Mark Antony and Cleopatra, known as Cleopatra -Stiene, his pedigree was unpeccable and he ruled wisely, probably living in Volubilis. This had already become a h3rerher town of sonic statiding before the Romans arrived, due in part to the natural fertility of the region surrounding it and in part to the te~ching of the Carthaginians enabling the Berbers to get the best out of the land.
The next 400 years formed Morocco's Dark Age and very little is known about this period. The Vandals and Goths who were sweeping through Spain may have touched the northern tip of Morocco on their way eastwards to Carthage but there are no traces that they have stayed. The Berbers in the mountains and the desert continued life much as before. The Romanised, part-Christian, Berber Mauritanians of the cities of Volubilis, Sala Colonia, (Chella) Tingis and others held on to their mixed cultural heritage and maintained a degree of civilization, as evidenced by one or two Latin inscriptions, found in several places, which date from as late as the mid 7C. But the weak and divided nature of the country was to prove no match at all for the next wave of invaders.

<b>The Idrissides:</b>

By the 7C AD the Arabs were in full expansion. They were inspired primarily by their fierce desire to spread their own religion of Islam throughout the World. But they were doubtless particularly attracted to North Africa by the endless stretches of desert sand which were to them like home. It was in 670 that the first Arab invasions of the North African coastal plain took place under Oqba Ben Nafi, commander of the Umayed dynasty in Damascus.

He is best known for having founded the city of Kairwan (S of Tunis) and for having built the first ever mosque in North Africa. He swept with his army into what is now Morocco in the year 683. Which he called this Maghreb al Aqsa or farthest West. When a second Ummayed leader, Musa Ibn Nouasser, arrived in 703, the Berbers were not unwilling to participate in the Islamic expansion into southern Spain and into the more southerly areas of Morocco. However, the progress of Islam remained patchy and small enclaves of Christians still existed in the interior though many fled to Spain. This lack of national unity persisted until the arrival of Idriss Ben Abdallah, a descendant of the prophet Mohammed, in 788.

There are very few original Arab sources available for reference about this early period but that which is most frequently cited by historians is the Raoud El Kartas, a chronicle by the 13C writer from Fez, Ibn Abi-Zar-El-fasi: from this we learn that Idriss Ben Abdallah fled into Egypt from the Abbasides. He arrived by way of Kairwan, first in Tangier and then in the former Roman city of Volubilis where was received by Berbers already fully converted to Islam by the earlier Arab arrivals. The Berbers chief proclaimed Idriss King and pledged the support of his own and neighboring tribes. It seems that the arrival of an assured leader who would guide the country out of the spiritual uncertainties which had increased since the death of Oqba ben Nafi was welcome. Idriss II was born after his father's death and was educated and prepared for his awesome task. He became King at the age of 12, in 804.

He founded Fez which in his time was well prospered. In 818, 8000 Arab families arrived after being expelled by Christians from the Emirate of Cordoba in Spain. Seven years 2000 families came from Kairwan. These 'refugies' were welcomed and
installed, respectively, on the right and left banks of the river which divides the town. It was very largely as a result of the of these people, with their refinements and skills, that Fez became a great spiritual and intellectual center whose influence very much reached to the far north of the country and, later, beyond. Idriss II who died in 828 in Morocco came the next dynasty, from the south The Almoravides.

They were camel-riding Berber of the Sanhaja group of tribes, to whom cultivation of the soil was unknown. For a century or more they have been conquering and converting to Islam the black countries of the Sahara, inspired by their search for the source of gold which had been flowing into Morocco from somewhere in the region of the Niger river.

The campaigns fought by the Almoravides were violent and successful and they soon controlled the whole of the south, under the leadership of Ibn Tachafine (the founder of Marrakech in 1062, along with Al Koutoubia Mosque). Much of Spain became part of the Almoravide empire. A period of peace and prosperity followed, enriched by the refined culture of the Andalucian courts to which had been added a healthy dose of Berber virility and discipline.

The Almohades:

A new power was emerging. The Almohades were Masmoda berbers from the high and the Atlas mountains. Their leader, Mohamed Ibn Toumart, was a man of extraordinary power. The foundation of his doctrine was absolute unity with God, from which stemmed the name of Mouwahhidine, meaning unitarian.

Yacoub Al Mansour was a great statesman. The whole country prospered at his reign: spiritually, intellectually, economically and architecturally. Marrakesh was still the capital. Fez flowered as never before, and the end of the 12C is generally regarded as an apogée in Morocco's history.

The Merinides:

The Beni Marin were a tribe of Nomadic Zenata Berbers who came from an area between Taza and Algeria. The policy of the Merinides in running the affairs of Morocco was enlightened; they were the first Moroccans to introduce a simple form of civil service. They were also the first to introduce the Mellah, or Jewish quarters in all major towns, so that the Jewish could live secure and unmolested. The Merinides were also the first to introduce the concept of Medersa (originated from Baghdad and later on introduced to Egypt). Fez is liberally scattered with fine examples within easy walking distance of the Karawiyine. Sultan Abu Inan built the Bou Inania Medersa in Fez.

The Merinide Sultans surrounded themselves with scholars who could lecture not only about Koran but also about science and law, poetry and geography. The well-known traveller Ibn Batuta (1304-78) was an honored member of the court of Abou
Inan who gave him a secretary to write down stories of his travels as in the black Sea and Tambouktoo. Ibn Khaldoun, the 14 C historian and a Spanish Muslim spent many years as adviser and close associate of Merinide Sultans.<br><br>When the dynasty was feebled, Spain and Portugal were turning eyes towards Morocco. At that time, there was another ruler, Ibn Wattas, who came from Asilah to Fez. When he left Asilah, the Portuguese invaded Asilah and took many family members of Ibn Wattas and 5000 people as slaves, then Ibn Wattas signed a treaty with Portugal which allowed the portuguese to invade Asilah, Tangier, Essaouira (Mogador) Mazagan (El Jadida) Zemmour, Safi and Agadir and Ceuta. So, for a time, almost the entire west coast of Morocco became a separate Portuguse colony.<br><br><b>The Saadians:</b><br><br>Were decendants from the prophet Mohamed. They originally came from Arabia in the 12C, and settled in the valley of the Draa in the South of Morocco. They moved to Fez and were easily given power by the Wattasides. In the 16 C, they rebuilt the town of Taroudant as their capital. During the Saadians' reign, the portuguese had always dreamt of regaining power in the Moroccan territories. King Sebastian who was asked helped from one of the sultans nephews, landed in Asilah with a massive force of soldiers, there followed a memorable battle in 1578 at Ksar Kbir.<br> The battle was known as the battle of the Three Kings, in which the portuguese army was defeated, and in which King Sebastian, the Pretender and the Sultan Abd El Malik died.<br><br>Glorious in their victory, the Saadians under the reign of Ahmed Saadi (1578-1603) settled down in Fez. The Badi Palace and the Ethereal Mausoleum (les tombeux Saadians) in Marrakesh are proofs of the wealth of Saadians.<br><br><b>The Alaouites:</b><br><br>They were also decsended from the prophet Mohamed. They had arrived from Arabia some three centurries earlier to settle near Rissani in the Tafilalet region in the south. They are referred to as Filali). Unlike preceding dynasties they did not move and seize power but were formally invited by the people of Fez to come to the capital and take over the throne of Morocco.<br>The first Alaouite ruler, Moulay Rachid, reigned in 1666. He restored order with a firm hand, revived the life of all mosques and droved out all the pretenders. Under the reign of Moulay Ismael (1672-1727) Morocco was made again a great country. He exchanged ambassadorts with many leading Powers. Meknes was chosen by Moulay Ismael as the imperial city which he made his capital. Today, the miles of ruined
walls, palaces and stables bear witness to his energy and ambition and also to the scale of his success.

In 1757, another wise and strong Alaouite ruler came to the throne. He was Mohamed ben Abdellah. He built the city of Essaouira and invited the English, the French, and the Jewish people to settle and to trade there. Moulay el Hassan acceded to the throne in 1873. He had the task of pacifying the tribes and was the first monarch to enter the wild Souss Area, where the tribes never acknowledged the authority of the state. During his reign, the European governments suggested ways of reforming administration, such as fixed salaries, civil servants and a more structured method tax collection.

Attacks on foreigners were frequent and the tribes took power into their own hands. At that time, the French occupied Morocco. The Spaniards, for historical reasons, insisted on sharing the influence on Morocco. In 1906, the Conference of Algeciras (in which 30 nations were present) took place and had the effect of internationalizing the whole affair. Tangier was an international free port, and the whole country was under the protectorate of the French government.

In 1912, Sultan Moulay Hafid signed the Treaty of Fes. He was relieved from the power to govern. The country was under the controle of a French Resident-General called Lyauty. He aimed to pacify and to construct. He also built the ports of Casablanca and Kenitra, the new towns of Rabat, Fez, Meknes and Marrakech, while the old medina of these cities remained untouched. A modern educational system was introduced, the administration was modernised and the legal system reformed. Still the tribes in the south of Morocco were very rebellious. By 1920, there was a more structured rebellion and resistance in the Rif Mountains, led by Abdelkarim Khattabi. The French began by driving a wedge between Berbers and Arabs. The Sultan, at that time, signed a beber decree in 1930, which on the contrary of what the French calculated, brought the two parties even closer. Then, a serious movement of national independence was born especially formed by young intellectuals from Rabat and Fez.

In 1927, Moulay Youssef was succeeded by his son Mohamed V, aged 17 years old. It was not until after World War II that the independence movement really gathered momentum. The troops Moroccans provided for the French army had conducted themselves with honor. At that time, an official independence party was formed called Istiqlal, whose first act was to send a memorial to the sultan and the French authorities asking for independence and a democratic constitution. The immediate reaction to this request was the arrest of several Istiqlal leaders, whereas the sultan refused to sign any more decrees concerning his people.

In August 1953 the royal family was deported to Corsica and Madagascar, and another person was designed by the French to sit on the throne. Violence towards
the French officials was the reaction of the Moroccan people, who claimed the return of the king. In December 1956, The king was taken to France, where he signed a declaration promising that there would be a constitutional monarchy which would move towards a democratic state.

In March 1956, the French signed an agreement in which they granted full independence to Morocco. The Spanish did the same and Tangier lost its international status during the same year. The Sultan formed a government and French Officials were gradually replaced by Moroccans. In 1961, King Mohamed V was succeeded by Crown Prince Hassan II who presented a new constitution. The first elected parliament assembled on 1963.

UsefulSites.asp

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Useful Sites

- **Trade Point Casablanca**
  - Info to promote foreign trade in Morocco
  - Exporters catalogue helping exporting companies to professionally compete in the international market place by showcasing and trading their products globally.

- **Casablanca Stock Exchange**
  - Official site of the Casablanca Stock Exchange. Site in both English and French, but the English section isn't as complete as the French.

- **Royal Air Maroc**
  - Service to international destinations from Casablanca.

- **Kingdom of Morocco**
  - General information on Morocco by the Moroccan government. Including notes on how to invest in Morocco.
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SiteMap.asp

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Admi Website Programing code

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PopLocalNav.asp

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    [ <a href="Products.asp?Category=4&catName=Wdisk">Wood Disk Accessories</a> ]
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Carpet Azamore

Jewelry Bracelet

Leather Back Pack

Leather Shoulder Bag

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Metal Tea Pot

Pottery Ashtray

Pottery Plate

Pottery Plate/</A> ]
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**Table 2**

- [Suppliers](#)
- [Customers](#)
[<a href="Products.asp?Category=16&amp;catName=FFBabouche" >Female Babouche</a>]

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<% End Sub %>
Public Sub MservingtrayLocalNav()
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<td width="25%" align="center">
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[ <a href="Products.asp?Category=2&amp;catName=Cazamore">Carpet Azamore</a> ]
[ <a href="Products.asp?Category=3&amp;catName=Jbracelet">Jewelry Bracelet</a> ]
[ <a href="Products.asp?Category=4&amp;catName=Lbackpack">Leather Back Pack</a> ]
[ <a href="Products.asp?Category=5&amp;catName=Lpouf">Leather Pouf</a> ]
[ <a href="Products.asp?Category=6&amp;catName=Lshoulderbag">Leather Shoulder Bag</a> ]
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</table>
<table width="100%" cellpadding="1" cellspacing="1" id=TABLE1>
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<A href="Customers.asp">Customers</a></td>
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<th>Product</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carpet Azamore</td>
<td><a href="Products.asp?Category=2&amp;catName=CarpetAzamore">Garpet Azamore</a></td>
</tr>
<tr>
<td>Jewelry</td>
<td><a href="Products.asp?Category=3&amp;catName=Jewelry">Jewelry</a></td>
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<tr>
<td>Leather Back Pack</td>
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</tr>
<tr>
<td>Leather Pouf</td>
<td><a href="Products.asp?Category=5&amp;catName=LeatherPouf">Leather Pouf</a></td>
</tr>
<tr>
<td>Leather Shoulder Bag</td>
<td><a href="Products.asp?Category=6&amp;catName=LeatherShoulderBag">Leather Shoulder Bag</a></td>
</tr>
<tr>
<td>Metal Serving Tray</td>
<td><a href="Products.asp?Category=7&amp;catName=MetalServingTray">Metal Serving Tray</a></td>
</tr>
<tr>
<td>Teapot</td>
<td><a href="Products.asp?Category=8&amp;catName=Teapot">Teapot</a></td>
</tr>
<tr>
<td>Pottery Ashtray</td>
<td><a href="Products.asp?Category=9&amp;catName=PotteryAshtray">Pottery Ashtray</a></td>
</tr>
<tr>
<td>Pottery Plate</td>
<td><a href="Products.asp?Category=10&amp;catName=PotteryPlate">Pottery Plate</a></td>
</tr>
<tr>
<td>Pottery Tajine</td>
<td><a href="Products.asp?Category=11&amp;catName=PotteryTajine">Pottery Tajine</a></td>
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<tr>
<td>Wood Disk Accessories</td>
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</tr>
<tr>
<td>Male Babouche</td>
<td><a href="Products.asp?Category=15&amp;catName=MaleBabouche">Male Babouche</a></td>
</tr>
<tr>
<td>Female Babouche</td>
<td><a href="Products.asp?Category=16&amp;catName=FemaleBabouche">Female Babouche</a></td>
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<% End Sub Public Sub PashtrayLocalNav () %>
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    [ <a href="Products.asp?Category=2&amp;catName=Cazamore"> Carpet Azamore</a> ]
    [ <a href="Products.asp?Category=3&amp;catName=Jbracelet"> Jewelry Bracelet</a> ]
    [ <a href="Products.asp?Category=4&amp;catName=Lbackpack"> Leather Back Pack</a> ]
    [ <a href="Products.asp?Category=5&amp;catName=Lpouf"> Leather Pouf</a> ]
    [ <a href="Products.asp?Category=6&amp;catName=Lshoulderbag"> Leather Shoulder Bag</a> ]
    [ <a href="Products.asp?Category=7&amp;catName=Mservingtray"> Metal Serving Tray</a> ]
    [ <a href="Products.asp?Category=8&amp;catName=Mteapot"> Metal Tea Pot</a> ]
    [ <a href="Products.asp?Category=10&amp;catName=Pplate"> Pottery Plate</a> ]
    [ <a href="Products.asp?Category=11&amp;catName=Ptajine"> Pottery Tajine</a> ]
    [ <a href="Products.asp?Category=12&amp;catName=Pvase"> Pottery Vase</a> ]
    [ <a href="Products.asp?Category=13&amp;catName=Wbox"> </a> ]
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[ <A href="Products.asp?Category=1&amp;catName=Catlas" >Carpet Atlas</a> ]

[ <A href="Products.asp?Category=2&amp;catName=Cazamore" >Carpet Azamore</a> ]

[ <A href="Products.asp?Category=3&amp;catName=Jbracelet" >Jewelry Bracelet</a> ]
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<A href="Customers.asp">Customers</A></td></tr></table>

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      [<A href="Products.asp?Category=3&catName=Jbracelet" >Jewelry Bracelet</A>]
      [<A href="Products.asp?Category=4&catName=Lbackpack" >Leather Back Pack</A>]
      [<A href="Products.asp?Category=5&catName=Lpouf" >Leather Pouf</A>]
      [<A href="Products.asp?Category=6&catName=Lshoulderbag" >Leather Shoulder Bag</A>]
      [<A href="Products.asp?Category=7&catName=Mservingtray" >Metal Serving Tray</A>]
      [<A href="Products.asp?Category=8&catName=Mteapot" >Metal Tea Pot</A>]
      [<A href="Products.asp?Category=9&catName=Pashtre" >Pottery Ashtray</A>]
      [<A href="Products.asp?Category=10&catName=Pplate" >Pottery Plate</A>]
      [Pajine]
      [<A href="Products.asp?Category=12&catName=Vase" >Pottery Vase</A>]
      [<A href="Products.asp?Category=13&catName=Wbox" >Wood Box</A>]
      [<A href="Products.asp?Category=14&catName=Wdisk" >Wood Disk Accessories</A>]
      [<A href="Products.asp?Category=15&catName=MBabouche" >Male Babouche</A>]
      [<A href="Products.asp?Category=16&catName=FBabouche" >Female Babouche</A>]
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End Sub
Public Sub PvaselocalNav()
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[C <A href="Products.asp?Category=2&catName=Cazamore">Carpet Azamore</A> ]
[C <A href="Products.asp?Category=3&catName=Jbracelet">Jewelry Bracelet</A> ]
[C <A href="Products.asp?Category=4&catName=Lbackpack">Leather Back Pack</A> ]
[C <A href="Products.asp?Category=5&catName=Lpouf">Leather Pouf</A> ]
[C <A href="Products.asp?Category=6&catName=Lshoulderbag">Leather Shoulder Bag</A> ]
[C <A href="Products.asp?Category=7&catName=Mservingsray">Metal Serving Tray</A> ]
[C <A href="Products.asp?Category=8&catName=Mteapot">Metal Tea Pot</A> ]
[C <A href="Products.asp?Category=9&catName=Pashray">Pottery Ashtray</A> ]

202
[ <A href="Products.asp?Category=10&amp;catName=Pplate" >Pottery Plate</A> ]
[ <A href="Products.asp?Category=11&amp;catName=Ptajine" >Pottery Tajine</A> ]
[ <A href="Products.asp?Category=13&amp;catName=Wbox" >Wood Box</A> ]
[ <A href="Products.asp?Category=14&amp;catName=Wdisk" >Wood Disk Accessories</A> ]
[ <A href="Products.asp?Category=15&amp;catName=MBabouche" >Male Babouche</A> ]
[ <A href="Products.asp?Category=16&amp;catName=FBabouche" >Female Babouche</A> ]

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Public Sub WboxLocalNav ()
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      <a href="Products.asp?Category=4&amp;catName=Lbackpack" target="_blank">Leather Back Pack</a>
    </td>
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      <a href="Products.asp?Category=5&amp;catName=Lpouf" target="_blank">Leather Pouf</a>
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    <td width="25%" align="center">
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    </td>
    <td width="25%" align="center">
      <a href="Products.asp?Category=8&amp;catName=Mteapot" target="_blank">Metal Tea Pot</a>
    </td>
    <td width="25%" align="center">
      <a href="Products.asp?Category=9&amp;catName=Pashtray" target="_blank">Pottery Ashtray</a>
    </td>
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      <a href="Products.asp?Category=10&amp;catName=Pplate" target="_blank">Pottery Plate</a>
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<th>Products</th>
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</thead>
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<td>Carpet Atlas</td>
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<tr>
<td>Carpet Azamore</td>
<td><img src="Products.asp?Category=2&amp;catName=Cazamore" alt="Product" /></td>
</tr>
<tr>
<td>Jewelry Bracelet</td>
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<td><img src="Products.asp?Category=4&amp;catName=Lbackpack" alt="Product" /></td>
</tr>
<tr>
<td>Leather Pouf</td>
<td><img src="Products.asp?Category=5&amp;catName=Lpouf" alt="Product" /></td>
</tr>
<tr>
<td>Leather Shoulder Bag</td>
<td><img src="Products.asp?Category=6&amp;catName=Lshoulderbag" alt="Product" /></td>
</tr>
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<td>Metal Serving Tray</td>
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<td>Metal Tea Pot</td>
<td><img src="Products.asp?Category=8&amp;catName=Mteapot" alt="Product" /></td>
</tr>
<tr>
<td>Pottery Ashtray</td>
<td><img src="Products.asp?Category=9&amp;catName=Pashtray" alt="Product" /></td>
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<td>Pottery Plate</td>
<td><img src="Products.asp?Category=10&amp;catName=Pplate" alt="Product" /></td>
</tr>
<tr>
<td>Pottery Tajine</td>
<td><img src="Products.asp?Category=11&amp;catName=Ptajine" alt="Product" /></td>
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<tr>
<td>Pottery Vase</td>
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<td><img src="Products.asp?Category=13&amp;catName=MBabouche" alt="Product" /></td>
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<tr>
<td>Female Babouche</td>
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[A href="Products.asp?Category=1&amp;catName=C atlas"] Carpet Atlas[A ]
[A href="Products.asp?Category=2&amp;catName=C a zamore"] Carpet Azamore[A ]
[A href="Products.asp?Category=4&amp;catName=Lbackpack"] Leather Back Pack[A ]
[A href="Products.asp?Category=5&amp;catName=Lpouf"] Leather Pouf[A ]
[A href="Products.asp?Category=6&amp;catName=Lshoulderbag"] Leather Shoulder Bag[A ]
```

The above code snippet includes a navigation table with links to different categories of products. The categories include Carpet Atlas, Carpet Azamore, Jewelry Bracelet, Leather Backpack, Leather Pouf, and Leather Shoulder Bag.
[<A href="Products.asp?Category=7&catName=Mservingtray" >Metal Serving Tray</A>]  
[<A href="Products.asp?Category=8&catName=Mteapot" >Metal Tea Pot</A>]  
[<A href="Products.asp?Category=9&catName=Pashtray" >Pottery Ashtray</A>]  
[<A href="Products.asp?Category=10&catName=Pplate" >Pottery Plate</A>]  
[<A href="Products.asp?Category=11&catName=Ptajine" >Pottery Tajine</A>]  
[<A href="Products.asp?Category=12&catName=Pvase" >Pottery Vase</A>]  
[<A href="Products.asp?Category=13&Wbox" >Wood Box</A>]  
[<A href="Products.asp?Category=14&Wdisk" >Wood Disk</A>]  
[FFBabouche]  
[<A href="Products.asp?Category=16&catName=FFBabouche" >Female Babouche</A>]  
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Public Sub FFBaboucheLocalNav ()  
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<th>Link</th>
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<td>Leather Back Pack</td>
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<td>[A href=&quot;Products.asp?Category=5&amp;catName=Lpouf&quot; &gt;Leather Pouf&lt;/A&gt; ]</td>
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<tr>
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<td>[A href=&quot;Products.asp?Category=6&amp;catName=Lshoulderbag&quot; &gt;Leather Shoulder Bag&lt;/A&gt; ]</td>
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<td>[A href=&quot;Products.asp?Category=7&amp;catName=Mservingtray&quot; &gt;Metal Serving Tray&lt;/A&gt; ]</td>
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<td>[A href=&quot;Products.asp?Category=8&amp;catName=Mteapot&quot; &gt;Metal Tea Pot&lt;/A&gt; ]</td>
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<tr>
<td>Pottery Ashtray</td>
<td>[A href=&quot;Products.asp?Category=9&amp;catName=Pashtray&quot; &gt;Pottery Ashtray&lt;/A&gt; ]</td>
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<td>Pottery Plate</td>
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<tr>
<td>Wood Box</td>
<td>[A href=&quot;Products.asp?Category=13&amp;catName=Wbox&quot; &gt;Wood Box&lt;/A&gt; ]</td>
</tr>
<tr>
<td>Wood Disk Accessaries</td>
<td>[A href=&quot;Products.asp?Category=14&amp;catName=Wdisk&quot; &gt;Wood Disk Accessaries&lt;/A&gt; ]</td>
</tr>
<tr>
<td>Male Babouche</td>
<td>[A href=&quot;Products.asp?Category=15&amp;catName=FM BABOUCHE&quot; &gt;Male Babouche&lt;/A&gt; ]</td>
</tr>
<tr>
<td>FF Babouche</td>
<td>[ FF Babouche ]</td>
</tr>
</tbody>
</table>

</table>
PopFooter.asp

<html>
<head>
<meta name="GENERATOR" content="Microsoft FrontPage 4.0">
<title>MarocMart_PopulationFooterBar</title>
</head>
<body vlink="#FFCC99" alink="#FF9933" link="#CC6600">
<center><font face="Tempus Sans ITC" size="2">
<a href="PopulationTool.asp">Admi Home</a>&nbsp;<font color="#996633">|</font><a href="../Home.asp">Shopping</a>
</font></center>
<p align="center"><img border="0" src="../images/Footer1.gif">
</p>
<p align="center"><font face="Lucida Handwriting" size="2" color="#FfF9933">MarocMart.com
<br>Copyright © 2001 MarocMart, Incorporate
<br>All rights reserved</font></p>
</body>
</html>

PopUtilities.asp

<% Function ProductTotalRecords (PCategory)
    Dim sSQL, rscount, path, sConnect
    Set rscount = Server.CreateObject("ADODB.Recordset")
    rscount.CursorLocation = 3 'adUseClient
    path = Server.MapPath("../MarocMart/mart4.mdb")
    sConnect = "Provider=Microsoft.Jet.OLEDB.4.0;"
    sConnect = sConnect + " Data Source=" + path
sSQL = "SELECT * FROM Products where ProductCategory = 

\n\n%> . .

Products.asp

<%@ Language=VBScript %>
<!-#INCLUDE FILE="../utilitles.asp" ->
<!-#INCLUDE FILE="PopLocalNav.asp" ->
<!-#INCLUDE FILE="PopUtllltles.asp" ->

<html>
<head>
<meta name="GENERATOR" content="Microsoft FrontPage 4.0">
<title>MarocMart_PopulationProducts</title>

%</html>

Dim sSelectCategory, SCatName
Sub SaveCategory
    sSelectCategory = Request.QueryString("Category")
    SCatName = Request.QueryString("CatName")
End Sub

Sub ShowProduct()
    Dim recCount
    recCount = 0
    'Variable to save information from database
    Dim sProductCategory, sSupplierID
    'Variable to transform information from database
    'sCategory is what is store in database
    'sImageFolder is folder of image in server
    Dim sCategory, sImageFolder, sSupName
    Dim rs, sSQL
    OpenDB("../MarocMart4.mdb")

    sSQL = "SELECT * From Products Where ProductCategory = ""
sSQL = sSQL + sSelectCategory

Set rs = cn.Execute(sSQL)
If Err.description <> "" Then
    Response.Write "<br>rs.Open: " + Err.description
Else
    While Not rs.EOF
        recCount = recCount + 1
        sProductCategory = rs("ProductCategory").value
        Select Case sProductCategory
            Case 1
                sCategory = "Catlas"
                sImageFolder = "Catlas"
            Case 2
                sCategory = "Cazamore"
                sImageFolder = "Cazamore"
            Case 3
                sCategory = "Jbracelet"
                sImageFolder = "Jbracelet"
            Case 4
                sCategory = "Lbackpack"
                sImageFolder = "Lbackpack"
            Case 5
                sCategory = "Lpouf"
                sImageFolder = "Lpouf"
            Case 6
                sCategory = "Lshoulderbag"
                sImageFolder = "Lshoulderbag"
            Case 7
                sCategory = "Mservingtray"
                sImageFolder = "Mservingtray"
            Case 8
                sCategory = "Mteapot"
                sImageFolder = "Mteapot"
            Case 9
                sCategory = "Pashtray"
                sImageFolder = "Pashtray"
            Case 10
                sCategory = "Pplate"
                sImageFolder = "Pplate"
            Case 11
                sCategory = "Ptajine"
                sImageFolder = "Ptajine"
            Case 12

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sCategory = "Pvase"
sImageFolder = "Pvase"
Case 13
sCategory = "Wbox"
sImageFolder = "Wbox"
Case 14
sCategory = "Wdisk"
sImageFolder = "Wdisk"
Case 15
sCategory = "FFBabouche"
sImageFolder = "FFBabouche"
Case 16
sCategory = "FFBabouche"
sImageFolder = "FFBabouche"
End Select
sSupplierlD = rs("SupplierlD").value
Select Case sSupplierlD

Case 1
sSupName = "Maroc Carpet"
Case 2
sSupName = "Maroc Babouche"
Case 3
sSupName = "Maroc Jewelry"
Case 4
sSupName = "Maroc Leather"
Case 5
sSupName = "Maroc Metal"
Case 6
sSupName = "Maroc Pottery"
Case 7
sSupName = "Maroc Wood"
End Select

Response.Write "\<TR>"
Response.Write "\<TD><P align=center>" + CStr(recCount) + ".</p></TD>"
Response.Write "\<TD><P align=center>" + rs("ProductName") + ";-> " +
rs("ProductID") + ";" +
Response.Write "\<TD><p align="center"><img src="..\images/" +
sImageFolder + "/" + rs("Prodlmage") + "" border=1></p>"
Response.Write "\</TD>"
Response.Write "\<TD><P align=center>" + sCategory + ";" +"/p></TD>"
Response.Write "<TD><FONT size=2>" + rs("ProductDesc") + "</font></TD>
Response.Write "<TD>" + "Products/Images/" + slimageFolder + "/" + rs("ProdImage") + "</TD>
Response.Write "<TD><P align=center>" + "$" + CStr(rs("Price")) + "</p></TD>
Response.Write "<TD><P align=center>" + rsC'Prodlmage') + "</TD>
Response.Write "<TD><P align=center>" + sSupName + "</p></TD>
Response.Write "<TD><A href="Update.asp?Category=" + sSelectCategory+ "&CatName=" + sCatName+ "&ProdID="+ rs("ProductID") + "">Update</A></TD>
Response.Write "<TD><A href="Delete.asp?Category=" + sSelectCategory+ "&CatName=" + sCatName+ "&ProdID="+ rs("ProductID") + "">Delete</A></TD>
Response.Write "</TR>
rs.MoveNext
End If
rs.Close
Set rs = Nothing
CloseDB
End Sub
Sub SelectNav ()
Select Case sSelectCategory
Case "4"
  CatlasLocalNav
Case "5"
  CazamoreLocalNav
Case "6"
  JbraceletLocalNav
Case "7"
  LbackpackLocalNav
Case "8"
  LpoufLocalNav
Case "9"
  LshoulderbagLocalNav
Case "10"
  MservingtrayLocalNav
Case "11"
  MteapotLocalNav
Case "12"
  PashtrayLocalNav
Case "13"
  PplateLocalNav
End Select
End Sub

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PtajinetrayLocalNav
Case "12"
PvaseLocalNav
Case "13"
WboxLocalNav
Case "14"
WdiskLocalNav
Case "15"
FMBaboucheLocalNav
Case "16"
FFBaboucheLocalNav
End Select
End Sub

%>
</head>

<body vlink="#FFCC99" alink="#FF9933" link="#CC6600">
<!-- #INCLUDE FILE="PopGlobNav.asp" -->
<!--METADATA TYPE="DesignerControl" startspan -->
<OBJECT classid="clsid:1F56DB70-9821-11D1-B7B7-00C04FD6564F" dtcid="1" width="300" height="22">
</OBJECT>

<!-- Begin Layout Header -->
<!--METADATA TYPE="DesignerControl" endspan-->
<table border="0" width="100%" height="100%">
<!--[VI6.0LAYOUT = "Top 1"]-->
<p>
<!--METADATA TYPE="DesignerControl" startspan -->
<OBJECT classid="clsid:1F56DB71-9821-11D1-B7B7-00C04FD6564F" dtcid="2" width="300" height="22">
</OBJECT>

<!-- End Layout Header -->
<TABLE cellSpacing=1 cellPadding=1 width="100%" align=center border=0>
  <TR>
    <TD>
      <P><IMG src="../images/Bullet1.gif">
        <FONT face="Tempus Sans ITC">
          <A href="Add.asp?Category=<%=sSelectCategory%>&CatName=<%=sCatName%>">
            <B>New Product</B></A>&nbsp;&nbsp;:
        </FONT></P></TD>
    <TD>
      <P align=right><FONT face="Tempus Sans ITC">Total
        <%=SCatName%>=<%=CStr(ProductTotalRecords (CInt(sSelectCategory)))%>&nbsp;&nbsp;
        Item(s)</FONT></P></TD></TR></TABLE>

<OBJECT classid="clsid:1F56DB73-9821-11D1-B7B7-00C04FD6564F" dtid="3" width="300" height="22">
</OBJECT>

<table>
<thead>
<tr>
<th>Item</th>
<th>ProductID-&gt;Product Name</th>
<th>ProductCategory</th>
<th>*Product Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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Add.asp

<%@ Language=VBScript %>
<!-- #INCLUDE FILE="../utilities.asp" -->

<html>
<head>
<meta name="GENERATOR" content="Microsoft FrontPage 4.0">
<title>MarocMart_PopulationAdd</title>
<script ID="clientEventHandlersJS" LANGUAGE="javascript">
</script>
</head>

function AddProductForm_onsubmit()
{
    bSuccess = true;
    if ('"' == AddProductForm.txtProdName.value)
    {
        alert("Please enter product name");
        document.AddProductForm.txtProdName.focus();
        bSuccess = false;
    } else
    if ('"' == AddProductForm.txtDescription.value)
    {
        alert("Please enter product description");
        document.AddProductForm.txtDescription.focus();
        bSuccess = false;
    } else
    if ('"' == AddProductForm.txtPrice.value)
    {
        alert("Please enter product price");
        document.AddProductForm.txtPrice.focus();
        bSuccess = false;
    } else
    if ('"' == AddProductForm.txtSupplier.value)
    {
        alert("Please select supplier");
        document.AddProductForm.txtSupplier.focus();
        bSuccess = false;
    }
    return bSuccess;
}

//-->
</script>

<% Dim sSelectCategory, sCatName
Sub SaveCategory
    sCatName = Request.QueryString("CatName")
    sSelectCategory = Request.QueryString("Category")
End Sub
%>

</head>
<body vlink="#FFCC99" alink="#FF9933" link="#CC6600">

<% SaveCategory %>
<form Action="AddProduct.asp?Category=<%=sSelectCategory%>&amp;CatName=<%=sCatName%>" Method="post" Name="AddProductForm" LANGUAGE="javascript" onsubmit="return AddProductForm_onsubmit()">
<!--METADATA TYPE="DesignerControl" startspan

<OBJECT classid="clsid:1F56DB70-9821-11D1-B7B7-00C04FD6564F">

-->
<!-- Begin Layout Header -->

<!--METADATA TYPE="DesignerControl" endspan-->
<table border="0" width="100%" height="100%">
<font face="Tempus Sans ITC">

[ <A href="Products.asp?Category=<%=sSelectGategory%>&amp;CatName=<%=sCatName%>">Back</A> ]
</font>

<tr>
<td width="100%" valign="top">

<P>ADD-&gt:<%=sGatName%></P>
</td>
</tr>
</table>
</OBJECT>

<!-- End Layout Header -->

</form>
</body>
<input id="txtProdName" name="txtProdName"></td></tr>

<tr>
<td>
<p>*Product Description:<br>
<textarea id=tXtDescription style='WIDTH: 325px; HEIGHT: 79px' name=txtDescription cols=36 align='center'></textarea></p>
</td></tr>

<tr>
<td><p>*Price: <br>
<input id="txtPrice" name="txtPrice"></p></td></tr>

<tr>
<td><p>*Supplier: <br>
<select id="txtSupplier" name="txtSupplier">
<option value="" selected></option>
<option value=1>Maroc Carpet</option>
<option value=2>Maroc Babouche</option>
<option value=3>Maroc Bracelet</option>
<option value=4>Maroc Leather</option>
<option value=5>Maroc Metal</option>
<option value=6>Maroc Pottery</option>
<option value=7>Maroc Wood</option>
</select></p></td></tr>

<tr>
<td colspan="2">
<p align="center"><font color="#8b4513">Picture of product can be added manually</font></p>
</td></tr>

<tr>
<td>
<p><input id="btnAdd" type="submit" value="Add Product" name="btnAdd" style='WIDTH: 91px; HEIGHT: 24px' size="91"></p></td>
<td>
<p><input id="btnReset" type="reset" value="Reset" name="btnReset" style='WIDTH: 92px; HEIGHT: 24px' size="46"></p></td></tr>

<p align="center"><FONT face="Tempus Sans ITC" color=saddlebrown size=3>* Information is required</FONT></p>
<!--METADATA TYPE="DesignerControl" startspan

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AddProduct.asp

<%@ Language=VBScript %>
<!-- #INCLUDE FILE="../utilities.asp" -->
<!-- #INCLUDE FILE="PopGlobNav.asp" -->

<html>
<head>

</head>

</html>
Public Sub AddProduct()
    Dim intSelectCategory, sInitialName
    'get category from queryString
    sCatName = Request.QueryString("CatName")
    sCategory = Request.QueryString("Category")

    intSelectCategory = CInt(sCategory)

    'find ID initial
    Select Case intSelectCategory
        Case 1
            sInitialName = "Ct"
        Case 2
            sInitialName = "Cz"
        Case 3
            sInitialName = "Jb"
        Case 4
            sInitialName = "Lb"
        Case 5
            sInitialName = "Lp"
        Case 6
            sInitialName = "Ls"
        Case 7
            sInitialName = "Ms"
        Case 8
            sInitialName = "Mt"
        Case 9
            sInitialName = "Pa"
        Case 10
            sInitialName = "Pp"
        Case 11
            sInitialName = "Pt"
        Case 12
            sInitialName = "Pv"
        Case 13
            sInitialName = "Wb"
        Case 14
            sInitialName = "Wd"
        Case 15
            sInitialName = "BM"
    End Select
End Sub
Case 16
sInitialName = "BF"

End Select

' Dim var for db
Dim sProdID, sPrice, sSupplier, sDescription

sProdID = FindProductID(intSelectCategory, sInitialName)
' call Find new ID routine

sProdName = Request.Form("txtProdName")
sPrice = Request.Form("txtPrice")
sSupplier = Request.Form("txtSupplier")
sDescription = Request.Form("txtDescription")

Dim rs, sSQL
OpenDB("../MarocMart4.mdb")
sSQL = "INSERT INTO Products(ProductName, ProductID, ProductCategory, ProductDesc, Price, SupplierId)"
sSQL = sSQL + "VALUES("
sSQL = sSQL + "" + sProdName + ""
sSQL = sSQL + "" + sProdID + ""
sSQL = sSQL + "" + CStr(intSelectCategory)
sSQL = sSQL + "" + sDescription + ""
sSQL = sSQL + "" + sPrice
sSQL = sSQL + ")"

' Response.Write "<br><b>SQL Command: </b>" + sSQL
' for debug
cn.Execute sSQL
If Err.Description <> "" Then
Response.Write "<br>cn.Execute " + Err.Description
End If
CloseDB
End Sub

Function FindProductID(Category, Name)
Dim sID, intLastID, sCutID, sConvertID, intLen
Dim rs, sSQL
OpenDB("../MarocMart4.mdb")

sSQL = "SELECT * From Products Where ProductCategory = "
sSQL = sSQL + CStr(Category)
Set rs = cn.Execute(sSQL)
If Err.description <> "" Then
    Response.Write "<br>rs.Open: " + Err.description
Else
    While Not rs.EOF
        sID = rs("ProductID") 'get txt value from database
        rs.MoveNext
        intLen = Len(sID) 'find length of id
        sCutID = Right(sID, intLen-2) 'extract string after first 2 char
        intLastID = CInt(sCutID) 'convert string to number
        intLastID = intLastID + 1 'new id
        sConvertID = CStr(intLastID) 'convert number back to string
        FindProductID = Name + sConvertID 'concat string
        rs.Close
        set rs = Nothing
    End If
End Function

</head>

<body vlink="#FFCC99" alink="#FF9933" link="#CC6600">

<P align=center>

<% AddProduct %>

</P>

<P align=center>&nbsp;</P>

<P align=center>&nbsp;</P>

<P align=center><FONT face="Tempus Sans ITC" color="saddlebrown">Add <FONT size=5> <%=sProdName%></FONT> was completed!</FONT></P>

<P align=center>

<A href="products.asp?Category=<%=sCategory%>&amp;CatName=
<%=sCatName%>"&gt;

<FONT face="Tempus Sans ITC" size=color="#CC6600">Ok</FONT>

</A></P><br><br><br>

<font face="Tempus Sans ITC"
Delet.asp

<%@Language=VBScript %>
<!--#INCLUDE FILE="../utilities.asp" -->
<html>
<head>
<meta name="GENERATOR" content="Microsoft FrontPage 4.0">
<title>MarocMart_PopulationDelete</title>
</head>
<body>
<%Dim sID,sProdName,sProductDesc,sSupplierID,sPrice,sSupName,intSupplierID
Dim sSelectCategory, sCatName, sProdID
Sub SaveCategory
  sCatName = ""
  sSelectCategory = ""
  sProdID = ""
  sCatName = Request.QueryString("CatName")
  sSelectCategory = Request.QueryString("Category")
  sProdID = Request.QueryString("ProdID")
End Sub
Sub GetDetail ()
  sID = ""
  sProdName = ""
  sProductDesc = ""
  sSupplierID = ""
  intSupplierID = 0
  sPrice = ""
  sSupName = ""
  Dim rs, sSQL
  OpenDB("../MarocMart4.mdb")
  sSQL = "SELECT * From Products Where ProductID = "
  sSQL = sSQL + "" + sProdID + ""

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Set rs = cn.Execute(sSQL)
If Err.description <> "" Then
    Response.Write "<br>rs.Open: " + Err.description
Else
    Response.Write sID
    sID = rs("ProductID")  'get txt value from database
    sProdName = rs("ProductName")
    sProductDesc = rs("ProductDesc")
    intSupplierID = rs("SupplierID")
    sSupplierID = CStr(intSupplierID)

    Select Case intSupplierID
    Case 1
        sSupName = "Maroc Carpet"
    Case 2
        sSupName = "Maroc Babouche"
    Case 3
        sSupName = "Maroc Jewelry"
    Case 4
        sSupName = "Maroc Leather"
    Case 5
        sSupName = "Maroc Metal"
    Case 6
        sSupName = "Maroc Pottery"
    Case 7
        sSupName = "Maroc Wood"
    End Select
    sPrice = CStr(rs("Price"))
End If
rs.close
set rs=Nothing
CloseDB
End Sub

```javascript
function AddProductForm_onsubmit()
{
    bSuccess = true;
    if ("" == AddProductForm.txtProdName.value)
    {
        alert("Please enter product name");
    }
}```
document/AddProductForm.txtProdName.focus();
bSuccess = false;
}
else
if ('"' == AddProductForm.txtDescription.value)
{
    alert("Please enter product description");
document/AddProductForm.txtDescription.focus();
bSuccess = false;
}
else
if ('"' == AddProductForm.txtPrice.value)
{
    alert("Please enter product price");
document/AddProductForm.txtPrice.focus();
bSuccess = false;
}
else
if ('"' == AddProductForm.txtSupplier.value)
{
    alert("Please select supplier");
document/AddProductForm.txtSupplier.focus();
bSuccess = false;
}
return bSuccess;
}
//-->
</script>
</head>

<body vlink="#FFCC99" alink="#FF9933" link="#CC6600">

 <% SaveCategory %>  
 <% GetDetail %>  
 <form Action="DeleteProduct.asp?Category=<%=sSelectCategory%>&amp;CatName=<%=sCatName%>&ID=<%=sID%>" Method="post" Name="AddProductForm" LANGUAGE="javascript" onsubmit="return AddProductForm_onsubmit()">  
 <!--METADATA TYPE="DesignerControl" startspan

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<p>*Product Description:<br>
</p>

```
<TextArea id="txtDescription" style="WIDTH: 325px; HEIGHT: 79px"
name="txtDescription" align="center" readonly">
\%=sProductDesc%\n
</TextArea>
</p></td></tr>

<tr>
<td><p align="left">*Price: <br>
<input id="txtPrice" name="txtPrice" value="\%=sPrice%"
readonly/>
</p></td>
</tr>

<tr>
<td><p align="left">*Supplier: <br>
<select id="txtSupplier" name="txtSupplier">
<option value="\%=sSupplierID%" selected="\%=sSupName%"></option>
</select>
</p></td>
</tr>

<tr>
<td colspan="2">
<br>
<table cellspacing="1" cellpadding="1" width="50%" border="0" align="center">

</table>
</td>
</tr>

</form>

<p align="center"><font face="Tempus Sans ITC" color=saddlebrown size=3>*
Information is required</font></p>

<!--METADATA TYPE="DesignerControl"-->

<object id=LayoutDTG1 classid=clsid:1F56DB72-9821-11D1-B7B7-00C04FD6564F>
</object>
DeletProduct.asp

<%@ Language=VBScript %>
<!-- #INCLUDE FILE="../utilities.asp" -->
<!-- #INCLUDE FILE="PopGlobNav.asp" -->

<html>
<head>
<meta name="GENERATOR" content="Microsoft FrontPage 4.0">
<title>MarocMart_PopulationDeletProduct</title>
</head>
<body>

Dim sCatName,sCategory,sProdName,sID

229
Public Sub DeleteProduct()
    Dim intSelectCategory, sInitialName
    'get category from query string
    sCatName = Request.QueryString("CatName")
    sCategory = Request.QueryString("Category")
    sID = Request.QueryString("ID")

    Dim rs, sSQL
    OpenDB(".\MarocMart4.mdb")

    sSQL = "DELETE FROM Products WHERE ProductID = "
    sSQL = sSQL + sID + ""

    'Response.Write "<br><b>SQL Command: </b>" + sSQL
    'for debug
    cn.Execute sSQL
    If Err.Description <> "" Then
        Response.Write "<br>cn.Execute " + Err.Description
    End If
    cn.CloseDB
End Sub

</head>

<body vlink="#FFCC99" alink="#FF9933" link="#CC6600">

<P align=center><%DeleteProduct%></P>

&lt;/body&gt;
Update.asp

<%@ Language=VBScript %>
<!-- #INCLUDE FILE="../utilities.asp" -->

<html>
<head>
<meta name="GENERATOR" content="Microsoft FrontPage 4.0">
<title>MarocMart_Update</title>
</head>

<% Dim sID, sProdName, sProductName, sPrice, sSupName, intSupplierID, sSelectCategory, sCatName, sProdID

Sub SaveCategory
    sCatName = ""
    sSelectCategory = ""
    sProdID = ""
    sCatName = Request.QueryString("CatName")
    sSelectCategory = Request.QueryString("Category")
    sProdID = Request.QueryString("ProdID")
End Sub
Sub GetDetail()
    sID = ""
    sProdName = ""
    sProductName = ""
    sPrice = ""
    sSupName = ""
    intSupplierID = 0
    sSupName = ""
    Dim rs, sSQL
    OpenDB("../MarocMart4.mdb")

    sSQL = "SELECT * From Products Where ProductID = "
sSQL = sSQL + "" + sProdID + ""

Set rs = cn.Execute(sSQL)
If Err.description <> "" Then
    Response.Write "<br>rs.Open: " + Err.description
Else
    Response.Write sID
    sID = rs("ProductID") 'get txt value from database
    sProdName = rs("ProductName")
    sProductDesc = rs("ProductDesc")
    intSupplierID = rs("SupplierID")
    sSupplierID = CStr(intSupplierID)

    Select Case intSupplierID
        Case 1
            sSupName = "Maroc Carpet"
        Case 2
            sSupName = "Maroc Babouche"
        Case 3
            sSupName = "Maroc Jewelry"
        Case 4
            sSupName = "Maroc Leather"
        Case 5
            sSupName = "Maroc Metal"
        Case 6
            sSupName = "Maroc Pottery"
        Case 7
            sSupName = "Maroc Wood"
    End Select
    sPrice = CStr(rs("Price"))
End If
rs.close
set rs = Nothing
CloseDB
End Sub
%

<script ID="clientEventHandlersJS" LANGUAGE="javascript">

function AddProductForm_onsubmit()
{
  bSuccess = true;
  if ("" == AddProductForm.txtProdName.value)
  {
}

</script>
alert("Please enter product name");
document.AddProductForm.txtProdName.focus();
bSuccess = false;
}
else
if ("" == AddProductForm.txtDescription.value)
{
    alert("Please enter product description");
document.AddProductForm.txtDescription.focus();
bSuccess = false;
}
else
if ("" == AddProductForm.txtPrice.value)
{
    alert("Please enter product price");
document.AddProductForm.txtPrice.focus();
bSuccess = false;
}
else
if ("" == AddProductForm.txtSupplier.value)
{
    alert("Please select supplier");
document.AddProductForm.txtSupplier.focus();
bSuccess = false;
}
return bSuccess;
}
//-->
</script>
</head>
<body vlink="#FFCC99" alink="#FF9933" link="#CC6600">

<!-- SaveCategory %>
<!-- GetDetail %>
<form Action='i'UpdateProduct.asp?Category=<%=sSelectCategory%>
&amp;CatName=<%=sCatName%>&ID=<%=sID%> Method="post"
Name="AddProductForm" LANGUAGE="javascript" onsubmit="return
AddProductForm_onsubmit()">
<!--METADATA TYPE="DesignerControl" startspan
<p>*Product Description:<br/>
<TEXTAREA id=txtDescription style="WIDTH: 325px; HEIGHT: 79px"
name=txtDescription align="center">%=sProductDesc%</TEXTAREA></p></td></tr>
<tr>
<td>&nbsp;</td>
<tr>
<td align="left">*Price:<br/>
<input id="txtPrice" name="txtPrice" value="%=sPrice%"></p></td></tr>
<tr>
<td align="left">*Supplier:<br/>
<select id="txtSupplier" name="txtSupplier">
<option value="%=sSupplierID%" selected>%=sSupName%</option>
<option value=1>Maroc Carpet</option>
<option value=2>Maroc Babouche</option>
<option value=3>Maroc Jewelry</option>
<option value=4>Maroc Leather</option>
<option value=5>Maroc Metal</option>
<option value=6>Maroc Pottery</option>
<option value=7>Maroc Wood</option>
</select></p></td></tr>
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UpdateProduct.asp

<%@ Language=VBScript %>
<!-- #INCLUDE FILE="..\utilities.asp" -->
<!-- #INCLUDE FILE="PopGlobNav.asp" -->

<html>
<head>
<meta NAME="GENERATOR" Content="Microsoft FrontPage 4.0">
<title>MarocMart_PopulationUpdateProduct</title>
<% Dim sCatName,sCategory,sProdName,sID  

Public Sub UpdateProduct ()
  Dim intSelectCategory, sInitialName
  'get category from querystring
  sCatName = Request.QueryString("CatName")
  sCategory = Request.QueryString("Category")
  sID = Request.QueryString("ID")

  'Dim var for db
  Dim sProdID, sPrice, sSupplier, sDescription

  sProdName = Request.Form("txtProdName")
  sPrice = Request.Form("txtPrice")
  sSupplier = Request.Form("txtSupplier")
  sDescription = Request.Form("txtDescription")
  Dim rs, sSQL
  OpenDB("../MarocMart4.mdb")
  sSQL = "UPDATE Products SET ProductName=
  sSQL = sSQL + "" + sProdName + ""
  sSQL = sSQL + "ProductDesc=" + "" + sDescription + """
  sSQL = sSQL + "Price=" + sPrice
  sSQL = sSQL + ",SupplierID=" + sSupplier
  sSQL = sSQL + " WHERE ProductID = " + sID + ""

  'Response.Write "<br><b>SQL Command: </b>" + sSQL
  'for debug
  cn.Execute sSQL
  If Err.Description <> "" Then
    Response.Write "<br>cn.Execute " + Err.Description
  End If
  CloseDB
End Sub
%>
</head>

<body vlink="#FFCC99" alink="#FF9933" link="#CC6600">

<P align=center>
<P align=center>&nbsp;</P>
<P align=center>&nbsp;</P>
Update <strong><%-sCatName%>-%slD%</strong> was completed!</div>

<a href="products.asp?Category=%=sCategory% &CatName=%=sCatName%">Ok</a></div>

Customers.asp

<%@ Language=VBScript %>

<html>

<head>
<meta name="GENERATOR" content="Microsoft FrontPage 4.0">
<title>MarocMart_PopulationCustomers</title>
</head>

<body vlink="#FFCC99" alink="#FF9933" link="#CC6600">

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</OBJECT>

<!-- Begin Layout Header -->

<!--METADATA TYPE="DesignerControl" endspan-->

238
<table>
<thead>
<tr>
<th>Products</th>
<th>Suppliers</th>
<th>Customers</th>
</tr>
</thead>
</table>

- **Product**
  - [Carpet Atlas](#)
  - [Carpet Azamore](#)
  - [Jewelry Bracelet](#)
  - [Leather Backpack](#)
  - [Leather Pouf](#)
  - [Leather Shoulder Bag](#)
  - [Metal Serving Tray](#)
  - [Metal Tea Pot](#)
  - [Pottery Ashtray](#)
  - [Pottery Plate](#)
<table width="100%" cellspacing="1" id=TABLE1>
<tr>
<td width="25%" align="center">
<font face="Tempus Sans ITC" size="4"><STRONG><A href="Products.asp?Category=1&amp;catName=Catlas">Products</a></STRONG></font></td>
<td width="25%" align="center"><font face="Tempus Sans ITC" size="4"><STRONG>Suppliers</STRONG></font></td>
<td width="25%" align="center"><STRONG><A href=VCustomers.asp">Customers</a></STRONG></td>
</tr>
</table>

<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>Carpet Azamore</td>
<td>[ &lt;A href=&quot;Products.asp?Category=2&amp;amp;catName=Cazamore&quot;&gt;Carpet Azamore&lt;/a&gt; ]</td>
</tr>
<tr>
<td>Jewelry Bracelet</td>
<td>[ &lt;A href=&quot;Products.asp?Category=3&amp;amp;catName=Jbracelet&quot;&gt;Jewelry Bracelet&lt;/a&gt; ]</td>
</tr>
<tr>
<td>Leather Back Pack</td>
<td>[ &lt;A href=&quot;Products.asp?Category=4&amp;amp;catName=Lbackpack&quot;&gt;Leather Back Pack&lt;/a&gt; ]</td>
</tr>
<tr>
<td>Leather Pouf</td>
<td>[ &lt;A href=&quot;Products.asp?Category=5&amp;amp;catName=Lpouf&quot;&gt;Leather Pouf&lt;/a&gt; ]</td>
</tr>
<tr>
<td>Leather Shoulder Bag</td>
<td>[ &lt;A href=&quot;Products.asp?Category=6&amp;amp;catName=Lshoulderbag&quot;&gt;Leather Shoulder Bag&lt;/a&gt; ]</td>
</tr>
<tr>
<td>Metal Serving Tray</td>
<td>[ &lt;A href=&quot;Products.asp?Category=7&amp;amp;catName=Mserveingtray&quot;&gt;Metal Serving Tray&lt;/a&gt; ]</td>
</tr>
<tr>
<td>Metal Tea Pot</td>
<td>[ &lt;A href=&quot;Products.asp?Category=8&amp;amp;catName=Mteapot&quot;&gt;Metal Tea Pot&lt;/a&gt; ]</td>
</tr>
<tr>
<td>Pottery Ashtray</td>
<td>[ &lt;A href=&quot;Products.asp?Category=9&amp;amp;catName=Pashtray&quot;&gt;Pottery Ashtray&lt;/a&gt; ]</td>
</tr>
</tbody>
</table>
[<A href="Products.asp?Category=10&amp;catName=Pplate">Pottery Plate</A>]

[<A href="Products.asp?Category=11&amp;catName=Ptajine">Pottery Tajine</A>]

[<A href="Products.asp?Category=12&amp;catName=Pvase">Pottery Vase</A>]

[<A href="Products.asp?Category=13&amp;catName=Wbox">Wood Box</A>]

[<A href="Products.asp?Category=14&amp;catName=Wdisk">Wood Disk Accessories</A>]

[<A href="Products.asp?Category=15&amp;catName=FFBabouche">Male Babouche</A>]

[<A href="Products.asp?Category=16&amp;catName=FFBabouche">Female Babouche</A>]

</td>
</tr>
</table>

<P>&nbsp;</P>

<TD>

<TR>

<td width="100%" valign="top"><!-- VI6.0LAYOUT = "Top 1"-->

<!--METADATA TYPE="DesignerControl" startspan

.getObject classid="clsid:1F56DB71-9821-11D1-B7B7-00C04FD6564F">
</OBJECT>

<!--End Layout Header-->

<!~METADATATYPE="DesignerControl"endspan-->

</td>
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<P align=center><font face="Tempus Sans ITC" color=saddlebrown><b>Under construction!</b><br/>

<P><br/>

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243
REFERENCES


