# **Design Analysis for Final Project**

Online Retail Business System

# O-TECH Inc. Computer Sales Website Design Analysis

**Advanced Visual Programming** 

**CMSC 3413** 

**Spring 2012** 

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#### **General Description of System**

The website to be created is for O-TECH Inc. (a fictional company that sells computer parts). The website contains pages for customers and administrators. The website is going to be created so customers have the convenience of ordering computer parts from their homes, pay for them online, and have the computer parts shipped to them. The website will allow administrators of the website to manage product and order information. Users will be able to view products for sale, add products to their cart, checkout their items, and view and print a receipt when the transaction is finished.

#### **Detailed Description of System**

New users can create their accounts by clicking on the new user link on the login page. Returning users can use their username and password to login to the website and access the pages for which they have been granted access. Users will be able to view their login status and role (customer or admin). Users can logout by clicking the logout button at the top right of each page. Each page is customized to each user according to their role.

The website will allow administrators of the website to manage product and order information. Admins who login are taken to the Admin Menu page. On this page admins can either navigate to the Product Edit Page or the Order View Page. On the Product Edit Page admins can change the name of items, their picture URL, the item description, the price, the quantity of the item available, as well as other information related to the item. On the Order View Page Admins can display order information, which consists of the order number, customer name, and order date. Admins can also modify and delete orders using this page. Some admins are also customers and will be able to view and purchase products just like any other customer.

Customers will be able to view products for sale by clicking the "View Products" button on the main menu bar at the top of any page. A customer can add an item to their cart and can specify the quantity of each item to add on the View Products Page. Customers can view a picture of the item, the name, price, and can read a description of the item.

On the Cart View Page the customer can return to the Product View Page to browse for more items they would like to purchase, they can proceed to checkout, they can remove items from their cart by clicking the "remove item" button with the item to remove selected. Customers can change the quantity of the item they would like to purchase on this page. They can view the cart subtotal.

On the Confirm Order Page users will see the items they have placed in their carts, along with the price, item total, item tax, shopping cart subtotal, and quantity of each item. They can view the shopping cart total, total tax, and total shipping. They can cancel the order and return to the Product View Page or they can click the "Proceed to Payment" button to be taken to the Checkout Page.

On the Checkout page the user can enter their shipping address, enter their name and phone number, and enter their credit card information. Validators will verify the credit card information. The user can cancel the order by clicking the "Cancel Order" button. This will redirect their browser to the View Products Page. They can also click the "Place Order" button which takes them to the Order Page.

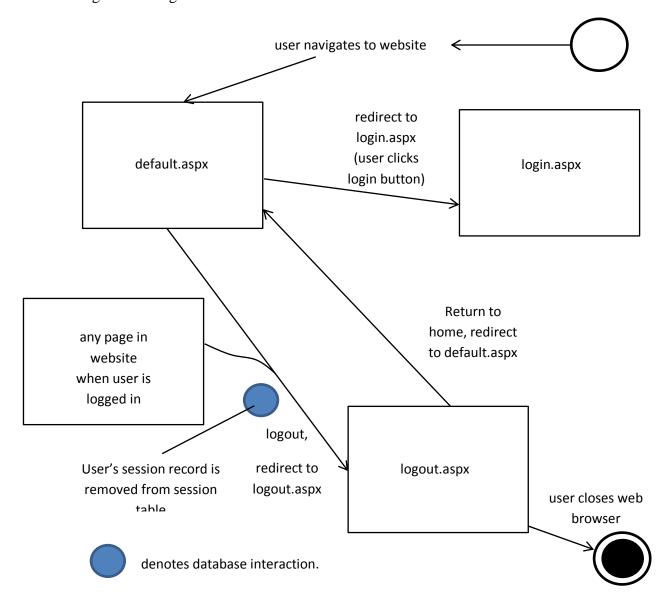
Customers can view and print a receipt of the order on the Order Page including the order total, subtotal, total tax, total shipping, order date, the order number, the shipping address, their card number, as well as information about each item (the name, price, and item tax). Customers

can navigate to the Customer Orders page by clicking the "My Orders" button on the menu bar at the top of any page. On this page customers can view a list of orders they have placed and print receipts for those orders. Customers can access a list of preferences to customize their online shopping experience by clicking the My Account button on the main menu bar at the top of any page. Customers can use this page to change their password.

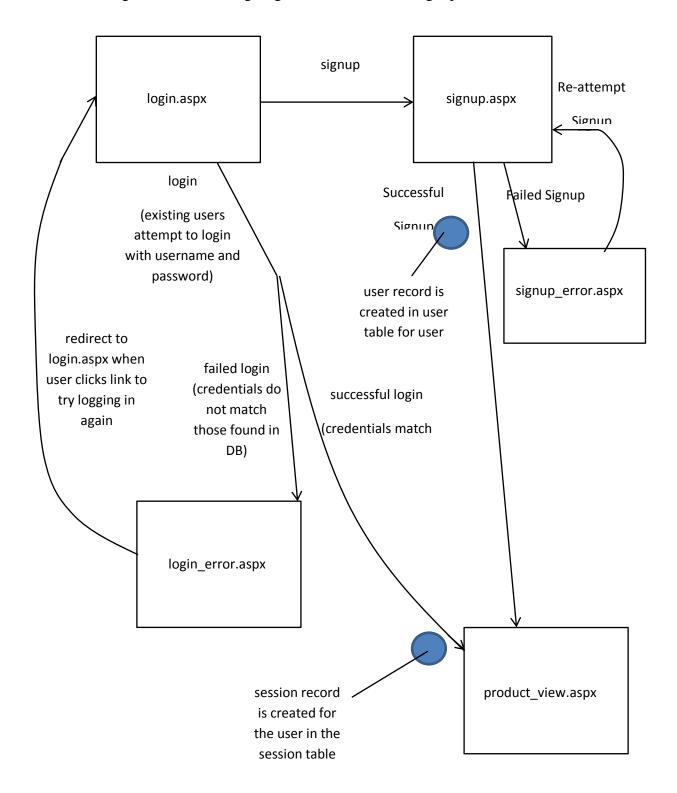
When a user is on the Login Page they can click a button that says "Forgot My Password". Clicking this button causes an e-mail to be sent to the user with their password. An e-mail with the user's password is sent to the user when their account is created.

### 2.0 Page Interaction Flow Diagrams

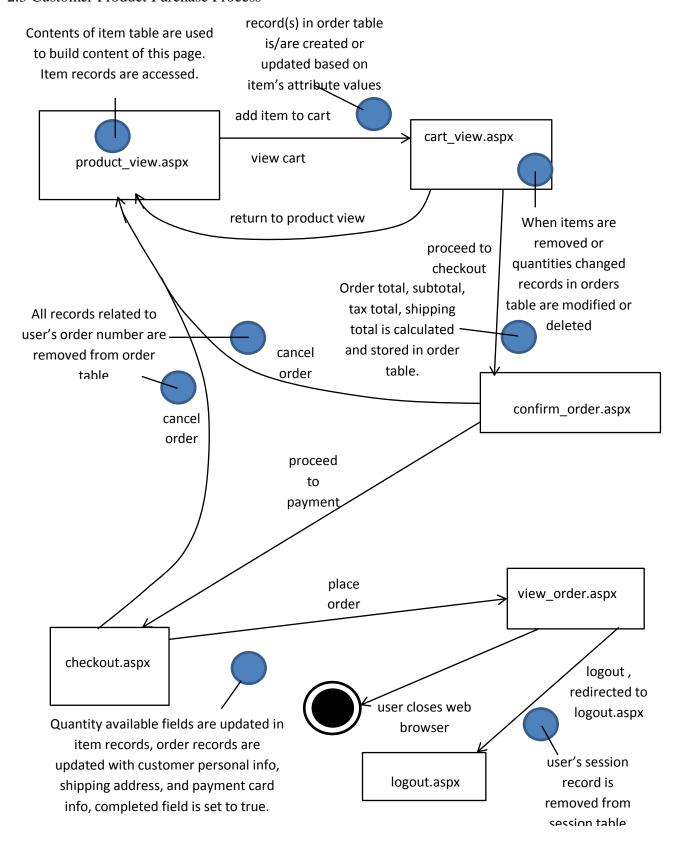
# 2.1 Logout and Login Part 1 for both Customers and Admins



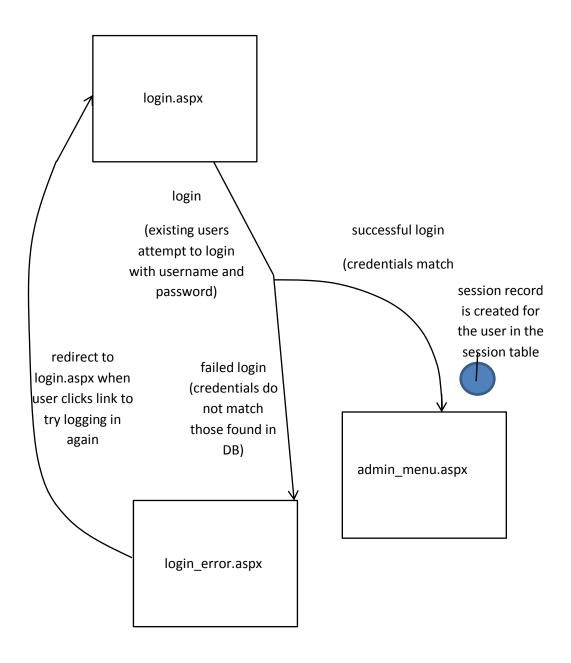
### 2.2 Customer Login Part 2, including Login Errors, Customer Signup Process



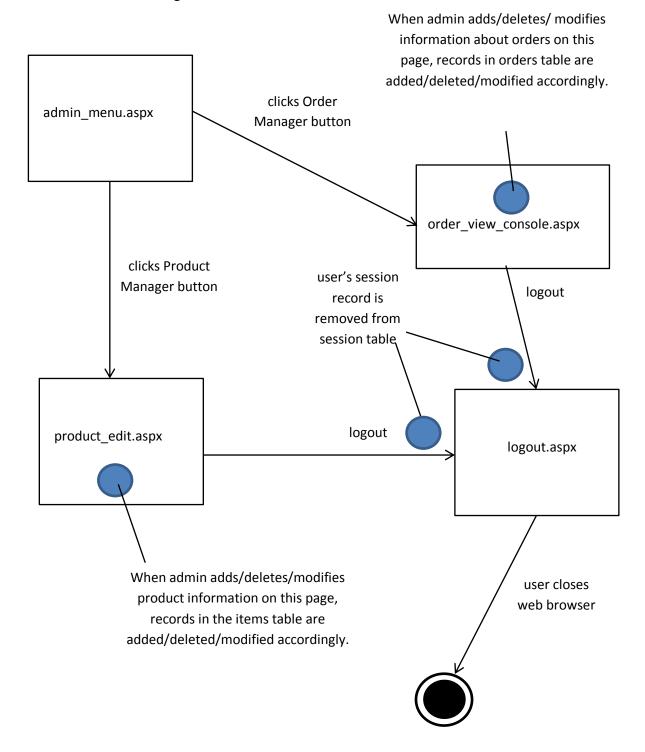
#### 2.3 Customer Product Purchase Process

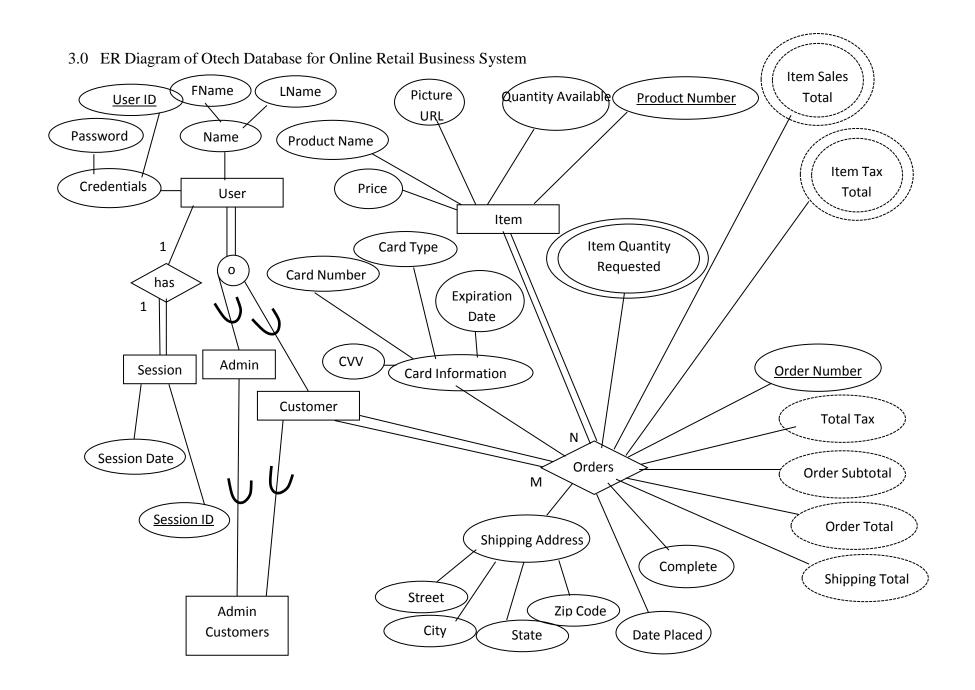


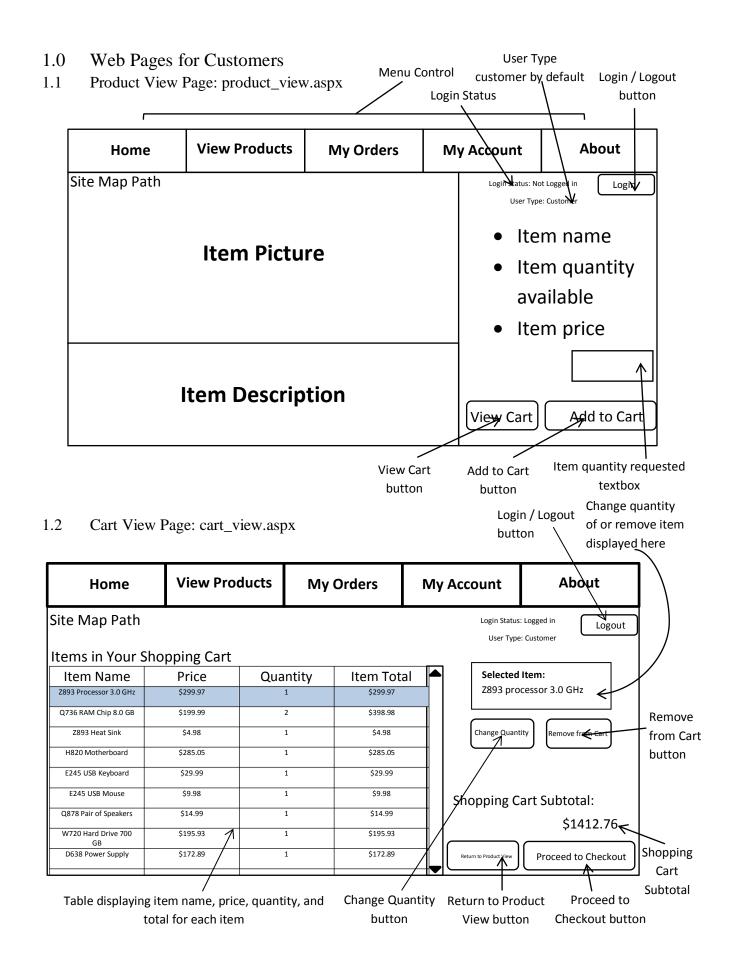
# 2.4 Admin Login Part 2



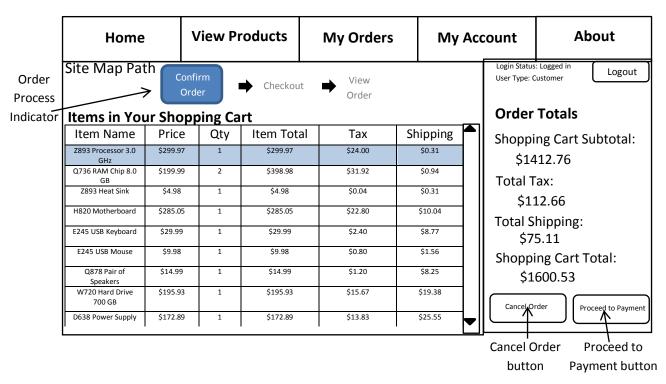
### 2.5 Interaction of Web Pages for Admins



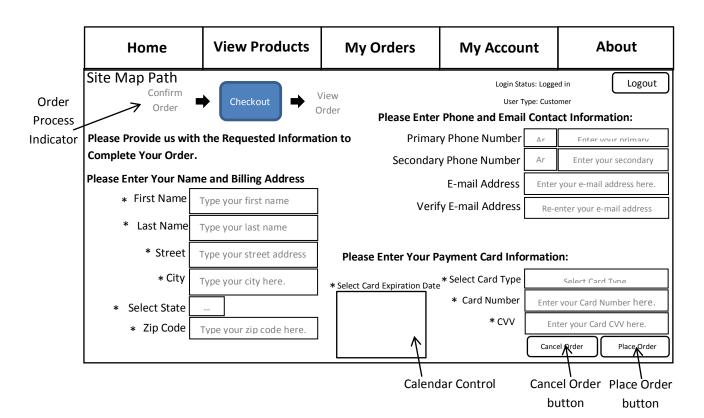




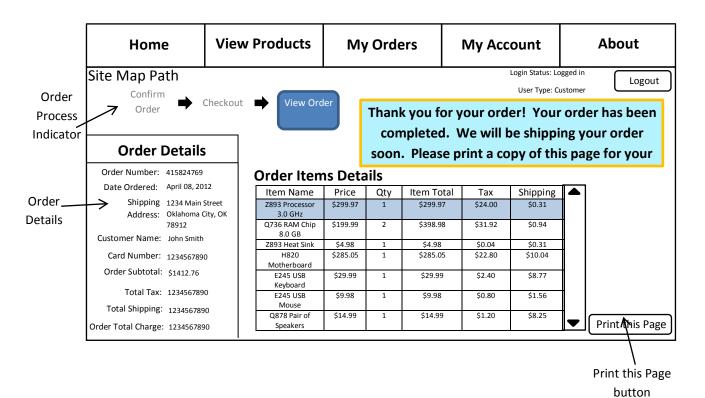
#### 1.3 Confirm Order Page: confirm\_order.aspx



## 1.4 Checkout Page: checkout.aspx



# 1.5 Order Page: view\_order.aspx

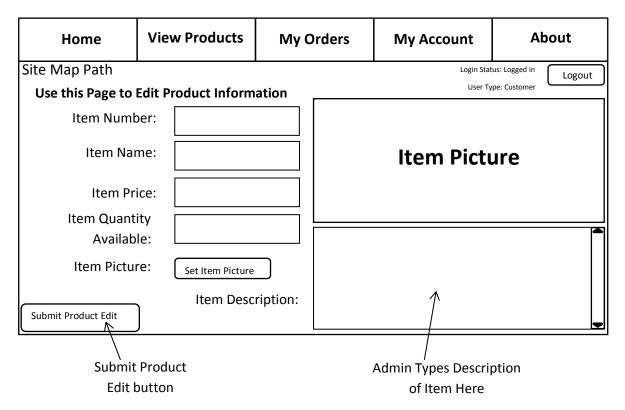


#### 2.0 Web Pages for Admin

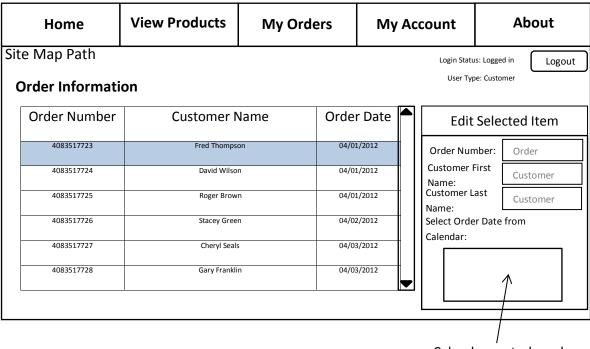
#### 2.1 Admin Menu Page: admin\_menu.aspx

Home	View Products	My Orders	My Account	About	
Site Map Path			S .	tus: Logged in Logout ype: Customer	
Admins can edit product item information and submit it.		m (	Admins can view order information containing the order number, customer name, and order date.		
	Product Manager		Order Manage	ir	

#### 2.2 Product Edit Page: product\_edit.aspx



#### 2.3 Order View Page: order\_view\_console.aspx



Calendar control used to change order date.