

Team Project Assignment

CNIT 25500

Design a fully functional web store driven by a SQL Server database. The content of the website is to be determined by your team.

General Requirements:

1. Establish separate themes for the shopping pages and for maintenance database pages.
2. Validate data as required when entering or modifying data in both shopping pages and maintenance pages.
3. Establish separate master pages for both shopping pages and maintenance pages.
4. Include site navigation controls on pages.
5. The content, look and feel of the website must be professional in quality as if designing it for a customer.

Required Features:

1. A main page to your Superstore that describes the store and contains links to its major sections.
2. An Order Page that displays items that can be purchased which are retrieved from a SQL Server database. The layout of the page should be different than the Halloween application.
3. A Cart Page that displays all the items in the cart. Layout and functionality can be the same as the Cart Page created in the previous labs, but with the following additional functionality:
 - a. Create a “Proceed to Checkout” button that directs the customer to a checkout page.
 - b. Show a total amount in the shopping cart.
4. A checkout page that processes the order and includes capabilities to:
 - a. Login an existing customer before checking out.
 - b. Register a new customer and store the new customer data in the SQL Server database.
 - a. Customer data should include items such as the customer’s name, address, city, state, zip, contact information and credit card information.
 - c. Gather payment information and store it in the SQL Server database.
 - d. Save the invoice and the cart items in the SQL Server database.
 - e. Create a page that displays a sales receipt for the processing order. The sales receipt must display the total for the sale and the invoice data including the items purchased.
 - f. Show the total amount of the sale on the checkout page.

Team Project Assignment

CNIT 25500

- g. Auto-generate an email message that includes the order invoice, total, and the items purchased that is sent to a gmail account from an existing store gmail account. (note: you can send an email from one team member's gmail account to another team members account. If you do not have a gmail account, then go to google and create one for this project. Also, this will not be able to operate across the firewall on campus computers so you need to test it at home.).
- 5. A page that displays a customer's current and previous orders. The page must be accessible by both a logged in customer and administrator. If logged in as an administrator, then the page must include a customer selection drop-down list. Upon selection of the customer, the customer's current and previous orders are displayed.
- 6. An invoice page that lists line items by invoice number.
 - a. The invoice page must allow for selection of an invoice by invoice number which after update displays all the line items in the invoice.
 - b. The invoice must be able to be modified.
- 7. A page that allows cancellation of a customer's order.
- 8. A page that displays the product list and allows for the addition, modification, and deletion of product records. All product fields must be modifiable. This form must use the Gridview and Detailsview controls which are linked together for a Master/Detail view of the data.
- 9. A page that displays category items and allows for the addition, modification, and deletion of category records. Your products must be related to a category.
- 10. A page that displays the customer list and allows for the addition, modification, and deletion of customer records. Sorting should be allowed by multiple fields such as by lastname, city, state, etc.
 - a. The customer list must include search capabilities to search by lastname, phone number, and account number using wildcard characters.
- 11. Setup form-based authentication for the application. Protected pages (maintenance pages) will require authentication. See Web Site Administration Tool – click on Website Menu Item at the top and select ASP.NET Configuration. Setup forms to self register a customer.
- 12. Include a general site navigation page that from where all pages can be explored and accessed.
- 13. Include a link to corporate contact information in the master pages.
- 14. Enable one web page with AJAX.

See due date for this assignment on Blackboard.