UNIVERSITY OF MICHIGAN SCHOOL OF INFORMATION
Database Application Design

Assignment 5 – Shopping Cart

Due Date: Monday October 6 (hand in via Autograder)

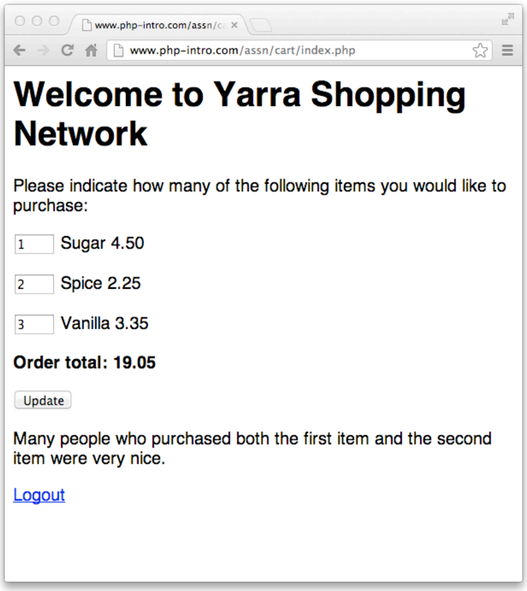
Overview

In this program you will implement a simple PHP program using sessions to implement login, logout, and a simple shopping cart.

Sample Output

Your program will replicate the functionality of the following application:

http://www.php-intro.com/assn/cart/



Welcome to Yarra Shopping Network

Please indicate how many of the following items you would like to purchase:

1 Sugar 4.50

2 Spice 2.25

3 Vanilla 3.35

Order total: 19.05

Update

Many people who purchased both the first item and the second item were very nice.

Logout

Specifications

The program is loosely based on the index.php, login.php, and logout.php sample code from Chapter 8 of the book. You should be able to use login.php and logout.php without any changes.

Here are detailed deliverables – you can check exactly how these deliverables behave in the sample online version of the program above:

- Your program should have login.php, logout.php, and index.php.

- If the user comes to index.php before being logged in, they are presented with a link to the login page.

- The login page needs to check to see if the password matches 'umsi' as the password. If the password matches, the login.php page should set a "success" message in green and redirect the user to index.php. If the password does not match, the user should be redirected back to login.php where they will see the error message in red.

- When the user comes to the index.php page after they are logged in, they are to be presented with a shopping cart with three items and a form field for the quantity of each of items (similar to above). When the user fills in quantities and presses "Update" it should be a POST request, and the quantities should be placed in the session and the page should redirect to a GET request of index.php.

- When there is a GET request for index.php, and the user is logged in the current quantities should be taken from the session (if they are there) and displayed in the quantity fields in the form as shown above. The program also displays the total amount in the shopping cart.

- The user can update the quantities as many times as they like and press update. In all cases the new quantities will be shown.

- It is up to you how you handle non-numeric data in the quantity fields – you can put up an error message or just silently set bad data values in quantity fields to zero.

- When the user is logged in on index.php, they are presented a link to the logout.php page.

- The logout.php page should clear the session and redirect the user back to index.php. No message is necessary.

- In all situations, when any of your pages receives a POST request, it *must* always redirect to a GET request (ether the same page or another page) once the POST data has been processed. You should *never* generate any HTML page output in response to a POST request.

- In all situations you must properly escape any user-entered data with the **htmlentities()** function before putting the data into your form fields.

- Every page should have your name as understood by CTools in the <title> tag.

If you have any questions on the assignment please contact the instructor or GSI.