ICP 3046
Web Based Applications
Labs 8 to 10: Sessions

Introduction

You have already developed a login page, and code that submits products to a basket page. In this lab you will ensure that a user who has logged in remains logged in, and that any items added to the basket remain in the basket. You will then ensure that the basket page shows the items currently in the user's shopping cart and provides correct totals in terms of quantities and costs. Finally you will ensure that when a user continues to the checkout they are required to log in. **This is assessed, and forms 20% of the mark for the module.**

You have three lab sessions plus your own time to complete the work.

Lab Exercise

1) In your application_top.php file, start a session. Ensure you write and close the session in your application_bottom.php file. [5%]

2) Modify your login function so that if a user is successfully logged in their unique user ID is stored in a session variable. [5%]

3) If a logged in user visits login.php ensure they are redirected to the shop homepage and shown a message that they are already logged in. [5%]

4) Create a page logout.php that will log out a logged in user. Once they are logged out redirect the user to the homepage and show a message to confirm they have logged out. [5%]

5) Modify basket.php so that when a user adds a product to their basket, the information regarding what has been added is stored in a session variable, and the basket page shows all the items that are currently in the shopping basket. [30%]

6) Ensure your basket shows the total cost of all items in the shopping cart. [5%]

7) Develop a feature to allow a customer to alter the quantity of an item in their basket, and to remove an item from their basket. [30%]

8) Add a checkout button to the basket page. When this is selected, if the user is logged in they are taken to the shipping details page you developed in lab 2. If they are not logged in then they are required to login, and on success they are taken to the shipping details page. [15%]

Submission

Use **Blackboard** to submit your PHP source code files as a zip archive. Each file must:

- Contain a program header
- Include an appropriate level of comments
- Follow a consistent style of indentation

- Follow consistent naming conventions

The deadline for submission is announced on the Blackboard system. Late submissions will be penalised in line with School policy.

As well as the requirements above, marks for this laboratory exercise are awarded for:

- Valid html and css
- Use of good programming practices, such as code-reuse and appropriate input validation
- Comments, layout and code structure
- Conceptual understanding

When submitting work it is your responsibility to ensure that all work submitted is:

- Consistent with stated requirements
- Entirely your own work
- Submitted on time.

Please note that there are **severe penalties** for submitting work which is not your own. *If you have used code which you have found on the Internet* or *from any other source* then you **must** signal that fact with appropriate program comments.

To obtain a mark you **must** attend a laboratory session and be prepared to demonstrate your program and to answer questions about the coding. Non-attendance at labs will result in your work not being marked.