G64HLL 2009/2010 Session

Coursework 2 (30%)

Due 4th May 2010, 4:00pm
Demo 5th May, 11:00 – 13:00, 10th May, 16:00 – 18:00, 12th May, 11:00-13:00

I. Introduction

In the 2nd and 3rd coursework, you will use PHP and MySQL to construct an online library system. Your system should include the following components:

- An admin page. This page will enable librarians to perform the following

  o Login (requires a librarian to enter user id and password).
  o Add/delete users.
  o Add/delete books.
  o Check user information, e.g., how many books a user has borrowed, details of the books, when they are due.
  o Check book stock, e.g., how many books are currently out, when they are due, how many copies of a title are still in the library, etc.
  o (When requested) Issue books to users who are still eligible to borrow (you are free to set the conditions when a user will no longer be allowed to borrow more books, e.g., has taken the maximum number of books, there are books overdue, have not paid overdue penalty etc). This can be done manually or automatically, you are free to come up with your own solution.
  o Email a user when there is book overdue or when a book is ready for collection.

- A user page. This page will enable a user to perform the following

  o Login (requires a user to enter user id and password).
  o Browse library collections, e.g., to search the library for a particular title
  o Request to borrow books if a book is in the library
  o Reserve a book when the required book is not in the library.

- A book database and a user database

  o The databases should be designed using MySQL. The records should contain appropriate information necessary to function.

II. Tasks

In this second coursework, you will complete the functions of the **admin page** and **the design of the two databases** using PHP and MySQL.

III. What to hand in

See coursework 3

IV. Demo

See coursework 3

V. Assessment

Also see coursework 3. Coursework 2 and coursework 3 will be assessed together. The admin page functions and database design will be worth 30% (coursework 2), the rest of the system functions including the overall functioning of the system will worth another 30% (coursework 3).