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| **DL703/DL824 – Year 2** | |
| **Web Programming** | |
| **Assignment #2** | |
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| **Requirements** | You are required to implement a HTML/CSS/JavaScript/PHP application that:   * Requires users to register and login before they use the remainder of the application and allows users to logout; * Allows the user to view the contents of two or more database tables that are related by 1:M or M:N relationships; * Allows the user to add data to the database tables, including relationship data; * Validates the all form data using JavaScript before it is submitted; if the form data contains errors then the form data should not be submitted and appropriate error messages should be displayed; * If and when the form data is submitted then it should be sanitised and validated using PHP; if the submitted data contains errors then the form should be returned to the user with appropriate error messages displayed; * If no errors are detected then the form data should be stored in the database table and the user should be returned the page that displays the contents of the database table.   Extra marks will be allocated for any additional functionality you choose to implement, for example editing or deleting rows in the database table. The application you implement should be based on the case study assigned to you.  In addition, you are required to document your program code appropriately and to write a short report (approx. 1000 words) describing the design of your application. Your report should include appropriate screenshots and snippets of program code. Your application should be tested properly. Your report should outline any unresolved bugs in the program code along with possible bug fixes that you think may work. |
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| **Submission** | You should submit your program code as a zipped file (containing a NetBeans project) to Blackboard. You must also have the code available on the avaya web server at the following URL: <http://avaya/~N00123456/webprog/ca2/index.php>, where N00123456 is your student number.  You may be required to demonstrate your working application. During this presentation you may be requested to explain your program code and how it meets the assignment's requirements.  The deadline for submission is 11:59pm Friday 18th March 2016. For each day that your assignment is submitted late, 5% will be deducted. Assignments submitted more than 7 days late will not be accepted. Late submissions should be submitted to the programme co-ordinator, Sue Reardon, along with a late submission form. | |