Faculty of Design, Media & Management

Assignment Brief   2016-2017

Module Title:	Web Applications	Module Code:	CO550
Assignment No. / Title:	CW2 Build a simple web database application	Assessment Weighting:	65%
Submission Date:	Submission Date: Week 16	Feedback Target Date:	+ 3 weeks
Module Tutor:	J. Jackson / J. Terry	Degree/ Foundation Please specify	Degree

The Assignment Task

This assignment is designed to give you the opportunity to build the web application specified in CW1 and use server- side scripting (ASP.NET) to collect, store and retrieve external data (from a database). The information below guides you through the stages involved.

You will be assessed on both a demonstration of the finished web application (during which you will be asked questions) and the way you have documented the task.

Deliverables
1. Submission sheet with your name, ID, course etc.
2. **Updated background and rationale for web application (approx. 1000 words).**
3. **Updated design of the application (ERD and UML web extensions).**
4. **Technical report detailing the scripting and database management activities carried out to satisfy requirements. In particular, this should include concise explanations of the ASP.NET-specific technology and architecture underlying your solution, much of which will be drawn from your record of answers to the practicals set during the module (approx. 500 words).**
5. **Evidence of testing.**
6. **A physical copy of the system.**
7. **Evidence of testing.**

Additional Instructions to students

(including format instructions/deliverables if not previously detailed)

Taking the updated design produced for CW1, develop a working application including a suitable interface with the relevant backend functionality for your system.

Your system might incorporate a variety of elements including web forms, data validation, a login facility, navigation, error handling and so on. However, as the designer it is your role to decide what is required and which elements your site will include. You must describe and justify their inclusion in terms of the data your system is designed to capture and provide. In addition, decide which functionality will be processed on the client side and which on the server side. You should also be able to explain the reasons for this decision.

You will be asked to walk-through your application and you should also be prepared to explain how it works technically. Understanding of the implementation process will also be assessed in writing in the technical report and other documentation submitted.

Assessment Criteria

A - Where the student has completed all the tasks. The web application corresponds to the design and is accurate apart from a few minor errors. The system has been implemented to a good standard and has been seen to work during the walk through. Testing has been carried out using appropriate data and all results have been clearly documented.

B - Where the student has completed most of the tasks well. The web application may contain a number of minor errors. Testing has been carried out using appropriate data and all results have been clearly documented.

C - Where the student has completed more than half the tasks. The web application may contain a number of errors or omissions. The student may have implemented the code necessary to carry out the key functionality but the latter may contain minor errors preventing it from working correctly. Some testing has been carried out.

D - The web application contains a number of errors and omissions. The student has written code necessary to carry out the key functionality but with numerous or significant mistakes. Limited testing has been carried out and documented.

E - The web application has been attempted but contains a considerable number of errors and omissions. The student has attempted to produce code but displays a clear lack of understanding. Limited if any testing has been carried out and documented.

F - Where the student has clearly not acquired sufficient knowledge and skills to complete the assignment.

University Generic Undergraduate Degree Grade Descriptors can be found on the University website in the document 'Assessment of Students- Appendix 1'

Submission Instructions:

This assignment is to be submitted in hard copy to E4.08

• **Complete an Assessment Submission Form ensuring that you enter your correct ID number and module details.**

• **Submit the assignment in the appropriate box outside E4.08 by 2.00pm on the submission date.**

• **Please do not attempt to submit assignments direct to lecturers or electronically as these methods are not permitted for this assessment and will result in a non-submission being officially recorded.**

• **You are reminded that it is your responsibility to keep an electronic copy of your assignment for future reference. You may be required to produce another copy of your assignment.**

• **You are reminded of the University's regulations on cheating and plagiarism. In submitting your assignment you are acknowledging that you have read and understood these regulations.**

• **Late submission within 10 working days of the deadline will result in the mark for the assignment being capped at 40%. Submissions beyond 10 working days of the due date will receive 0% but may be accepted, at the discretion of the lecturer, to provide feedback only. Late submission does not apply to referral work or to modules which are marked as Pass/Fail.**

• **If you consider that you have personal circumstances which affect your ability to submit the assignment please contact your School Registrar in E4.08 to discuss mitiging circumstances, including extensions.**

This assignment tests the following
Learning Outcomes for the Module:

LO 2 and 3
2 Implement web applications that provide e.g. user-friendliness, scalability, flexibility and SEO optimisation.
3 Design a complete web and database application to automate a business process