

Assignment Brief
2016-2017

Module Title:	Web Applications	Module Code:	CO550
Assignment No. / Title:	CW1 Design a simple web database application	Assessment Weighting:	35%
Submission Date:	Submission Date: Week 7	Feedback Target Date:	+ 3 weeks
Module Tutor:	J. Jackson / J. Terry	Degree/ Foundation Please specify	Degree

The Assignment Task

In this assignment you are asked to begin to think about the design of a simple web-based system that provides data management functionality for an organisation of your choice. Some of the tasks the organisation will want to carry out include collecting, storing and retrieving external data (from a database). This will require an understanding of information requirements and data flow within the organisation as well as the ability to represent these. You should present your design using appropriate modelling tools.

You will be assessed on both the documentation submitted (see below) and an in-class walk-through of your design (during which you will be asked questions).

Deliverables

1. Submission sheet with your name, ID, course etc.
2. Written report giving background and rationale for web application with particular emphasis on data management (1000 words).
3. Diagrammatic representation of the design of the application (Prototype interface, ERD and/or UML diagrams).

Additional Instructions to students

(including format instructions/deliverables if not previously detailed)

Think of an organization for which you might like to develop a web-based database application. The choice of organization is yours but bear in mind that the amount of work will vary according to size of the organization (cf. MacDonald's and your local chess club).

Your system should include a number of consistent pages and incorporate a variety of elements, for example: 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. You should also decide which functionality will be processed on the client side and which on the server side. This decision should also be explained. You may want to provide a sketch of the prototype interface and the backend functionality for your system.

The lecturer will ask you to walk-through your application (including interactions with the database).

Understanding of the design process will be assessed in writing and modelling formalisms as well as a presentation / walk-through.

Assessment Criteria

A - Where the student has completed all the tasks well. The web application design is consistent with the (student-generated) brief but may include minor errors. The design has been implemented to a high standard and good understanding has been demonstrated during the walk-through. The design has also been clearly documented.

B - Where the student has completed some of the tasks well and the design is consistent with the brief. The web application design may contain a number of minor errors. Understanding has been demonstrated during the walk-through the documentation is fairly accurate.

C - Where the student has completed the web application design but it contains some inconsistencies or omissions. Some understanding has been demonstrated during the walk-through but the documentation is not wholly accurate

D - The web application design contains a number of errors and omissions. Minimal understanding has been demonstrated during the walk-through and the documentation is minimal

E - The web application design has been attempted but it does not correspond to the brief. The student was unable to demonstrate any understanding of the design process during the walk-through.

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 mitigating circumstances, including extensions.

This assignment tests the following Learning Outcomes for the Module:

LO 1
1 Display a good level of proficiency in the design and creation of consistent web forms (Master Pages) and data-driven applications.