Assignment Brief | **Academic Year 2019-20**

Module code and title:	CO550 Web Applications	Module leader:	Derek Peacock
Assignment No. and type:	CW1A: Team Project Design	Assessment weighting:	20%
Submission time and date:	Before 14.00, 7th November 2019	Target feedback time and date:	Before 12.00, 14th November 2019

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 the documentation submitted (see below).

The tasks should be completed in teams of 2 to 4 students. Each team member should be responsible for at least two entities and their associated CRUD web pages. Apart from the CRUD operations used by staff managing the application database, each team member should be responsible for at least one operation or feature that is accessed by users of the website. They should be responsible for the associated use cases and user interface designs.

The tasks may be completed by an individual student but in that event the application must have at least 4 entities and 2 user features together with the CRUD pages.

Deliverables

1. Written report giving background and rationale for the web application with a list of the main features and with emphasis on data management (1000 words).

2. Diagrammatic representation of the design of the application (wireframe user interface designs, Use Case Diagrams, Class Diagrams, ERD and other supporting UML diagrams).

3. A project plan that identifies who was responsible for each of the main items of the above deliverables

4. Minutes and observations of team meetings with individual reflections and individual evaluations of peers and team performance.

This assignment has been designed to provide you with an opportunity to demonstrate your achievement of the following module learning outcomes:	
LO 1	Display a good level of proficiency in the design and creation of consistent web forms and data-driven applications.
LO 2	Implement and deploy web applications that provide user-friendliness, scalability, flexibility (mobile) and SEO optimisation
LO 3	Design a complete web and database application to automate a business process.

Task requirements
- Information to be included on cover sheet: Student Names, Student IDs, Module code and title, Assignment number (e.g. CW1A)   - Structure your assignment appropriately with sub-headings, an introduction, and conclusion   - Include a reference list   - File format: Microsoft Word or OpenOffice document

Referencing and research requirements
Please reference your work according to the Harvard style as defined in *Cite Them Right Online* (http://www.citethemrightonline.com). This information is also available in book form: Pears, R. and Shields, G. (2019) *Cite them right: the essential reference guide.* 11th edn. Basingstoke: Palgrave Macmillan. Copies are available via the University library.

How your work will be assessed
Your work will be assessed on the extent to which it demonstrates your achievement of the stated learning outcomes for this assignment (see above) and against other key criteria as defined by your programme team.

See marking criteria grid provided below for how each element/task of the assessment will be marked and the corresponding weighting of marks for each element/task required.

Each member of the team should clearly identify responsibility for individual features, use cases, entities, classes and user interface designs.

Diagrams will be marked for following best practice and particularly for:-

1. Consistency
2. Clarity
3. Relevancy to the Problem domain

4. Closeness to [Microsoft Naming Conventions](particularly ASP.NET naming conventions)
5. Quality of User Interface design

The marks will be broken down as follows:-

1. 5% Project Plan
2. 5% Report Structure
3. 20% Report content on background and rational
4. 20% Use case diagrams and specifications
5. 10% Class Diagrams
6. 10% Entity-Relational Diagrams
7. 15% User Interface Designs
8. 5% Other Diagrams and supporting documentation
9. 10% Team minutes, reflections and evaluations

Submission details

- You are reminded of the University's regulations on academic misconduct, which can be viewed on the University website: https://bucks.ac.uk/__data/assets/pdf_file/0024/9546/Academic-Misconduct-Policy.pdf. In submitting your assignment, you are acknowledging that you have read and understood these regulations
- Please also note that work that is submitted up to 10 working days beyond the submission date will be considered a late submission. Late submissions will be marked and the actual mark recorded, but will be capped at the pass mark (typically 40%), provided that the work is of a passing standard. Work submitted after this period will not be marked and will be treated as a non-submission.

Before you submit

- Please use the provided checklist below to make sure you are 'fit to submit' your work
- We recommend you use this checklist as soon as you get this assignment brief to help you plan your work

Fit to Submit: Assignment Checklist

This brief assignment checklist is designed to help you avoid some of the most common mistakes students make in their coursework.

HAVE YOU READ THE ASSIGNMENT BRIEF?   IF NOT, DO IT NOW!
In it you will find details of the assessment task, word count, the assessment criteria your work is marked against, and the learning outcomes – the basis for the assessment strategy in each module.

Students often lose marks by forgetting some of the more straightforward elements of their assignments. We recommend that you "tick off" each of the points below as you prepare your work for submission. If you need any help, ask your tutor and / or visit
https://bucks.ac.uk/students/academicadvice/assessment-and-examination

TICK

☐ Have you read and understood the assessment criteria?

☐ Have you **met** the learning outcomes? You will lose marks and your work may even be failed if you have not.

☐ Have you demonstrated you can think and write *critically* in the completed work*?* This means you have supported your arguments/explanations appropriately e.g. using relevant academic sources and you have offered discussion points which extends your own or others' viewpoints to make reasoned conclusions/judgements.

☐ Have you maintained an *academic tone* throughout your work? Is your work formal, focused, developed and clear?

☐ Have you checked that the referencing in your assignment is in line with your programme requirements?

☐ Have you proof-read your work and used spellcheck software to check your spelling and grammar?

☐ Have you checked the presentation of your work is as specified by your tutor, for example, are font size, colour, style, line spacing and margins as the tutor specified?

☐ Have you kept to the word count (or equivalent)? *If you are not sure, check with your tutor*.

☐ Can you confirm that the work submitted is your own and not plagiarised?