Module Code:	COM040
Module Name:	Interactive Web Design
Assignment No:	2 (70% of coursework)
Assignment Title:	Functional Website Development with Database Connectivity
Lecturer(s):	Sharon Chambers
Moderator:	Jade Lyons
Moderation Date:	Monday 17 September 2018
Release Date:	Monday 26 November 2018
Submission Date:	W/B Monday 17 December 2018

Learning Outcomes Covered by Assignment	• Consider and apply alternative design methods for a given application • Design interactive web pages • Design and build web sites • Develop interactive applications including database connectivity

Definition of Plagiarism:	Plagiarism is the act of taking or copying someone else's work, including another student's, and presenting it as if it were one's own. Plagiarism is said to occur when ideas, texts, theories, data created artistic artifacts or other material are presented without acknowledgement so that the person considering the work is given the impression that what they have before them is the student's own work when it is not. Plagiarism also occurs when a student's own work is re-presented without being properly referenced. Plagiarism is a form of cheating and is a disciplinary offence.

Student Declaration:	I declare that this is my own work and that any material I have referred to has been accurately and consistently referenced. I have read and understand the definition of plagiarism given above. If it is shown that material has been plagiarised, or I have otherwise attempted to obtain an unfair advantage for myself or others, I understand that I may face sanctions. A mark of zero may be awarded and the reason for that mark will be recorded on my file.		
Student Name:			
Student Signature:			
Date Submitted:			
Mark:			
Assessor:		**Date:**	

For Internal Moderation Purposes Only	Sampling Date		Signature
		Moderator	

ASSIGNMENT 2

You are required to develop a responsive, interactive web application that will provide a high level of functionality based on user interaction that will display appropriately on various devices. You can choose your own topic providing it demonstrates using a database to show that records can be added, deleted, updated and displayed. A search facility should also be incorporated.

1. Produce a project plan for the development of the web application. This should include planning for all stages of the work, from conception to development, implementation and testing.

2. As part of your research you should provide evidence of research into other web applications that have similar functionality, evaluating their effectiveness and usability, as well as their potential for use in your site.

3. Document a proposal that will define, in detail, the purpose, target audience and client requirements for the site. This documentation should include evidence of planning through sitemaps and storyboarding, outlining the structure and content of the site, and clearly indicating how client requirements are to be met.

4. Implement the agreed specification using appropriate development tools, with Visual Studio as the main development environment.

5. Using an appropriate framework, ensure that your website is responsive. You should further enhance the web pages, where possible, using dynamic and interactive elements. You should also consider search engine optimisation.

6. Provide evidence of functional testing, in two different web browsers. This testing should be documented using standard testing methods, providing evidence of any changes made.

7. You must present your website to the class group, demonstrating its functionality and responsiveness, offering justifications for the choices made during development and recommending possible future improvements.

Mark Scheme

Assessment Area	Needs Improvement	Satisfactory	Excellent	Marks
Research	Limited number of sites identified and basic comments provided. [0 - 3]	A good range of sites identified giving some thought to the use/benefit of some key features. [4 - 7]	A good range of highly relevant sites identified giving excellent consideration to the use/benefit of features and how these could be implemented in the new site. [8 - 10]	10
Project Plan	Some attempt to provide a project plan, specifying project tasks, with dates and times indicated. [0-1]	A good project plan, with clear & sensible identification of tasks, dates and times. [2-3]	A detailed project plan, developed using highly suitable project planning software, with clear & sensible identification of tasks, and realistic dates and times specified. [4-5]	5
Project Proposal	Limited outline of the project proposal. [0-1]	A good outline of the project proposal, making a good attempt to identify the target audience and client requirements. [2-3]	A detailed outline of the project proposal, clearly and accurately identifying the target audience and fully explaining the client requirements. [4-5]	5
Sitemap & Storyboard	Sitemap attempted and outline page designs provided. [0 - 3]	A good sitemap, and well thought out, clear page layouts, with design notes. [4 - 7]	Fully accurate sitemap and well thought out, clear page layouts, with very detailed design notes, clearly indicating how the client requirements will be met. [8 - 10]	10

Criterion				Marks
Database Design	Database design is limited, giving consideration to fields, field types, formats and validation. [0-1]	A good database design, giving good consideration to field types, formats and validation. [2-3]	A detailed database design, giving excellent consideration to field types, formats and validation. [4-5]	5
Database implementation, with CRUD	Use of a working database in your site with some attempt to implement it in accordance with design documentation. [0-5]	Effective and appropriate use of a database in your site which is relevant to the business case and implemented in accordance with the design documentation. Working features such as login/register, CRUD capabilities, as well as a search tool would be preferable. [6-10]	Effective and appropriate use of a database in your site which is highly relevant to the business case and implemented in accordance with design documentation. Working features such as login/register, with different levels of access for different users, as well as CRUD capabilities and a search tool would be preferable. [11-15]	15
Implementation of site structure	Limited attempt to implement the site structure in accordance with the design. [0-1]	A good attempt to implement the site structure in accordance with the design. [2-3]	A very good attempt to implement the site structure in accordance with the design. [4-5]	5
Aesthetics	The site appearance is somewhat suited to its purpose, with limited consideration given to layout and colour scheme. [0 - 1]	The site appearance is suited to its purpose, utilising an appropriate layout and colour scheme, with most elements appropriately positioned. [2 - 3]	The site appearance is highly suited to its purpose, utilising a consistent layout and professional colour scheme, with all elements appropriately positioned. [4 - 5]	10

Criterion				Marks
Use of dynamic and interactive functionality	Limited use of dynamic and interactive features with some consideration given to user requirements. [0-5]	A good range of dynamic and interactive features used to enhance the functionality of the site which are well suited to user requirements. [6-10]	An excellent range of advanced dynamic and interactive features used that significantly enhance the functionality of the site, and are highly suited to user requirements. [11-15]	15
SEO	Limited use of SEO tools. [0-1]	Effective use of a range of SEO tools. [2-3]	Highly effective use of SEO tools. [4-5]	5
Responsiveness	Some use of responsive elements. [0-1]	The majority of elements in the site are responsive. [2-3]	The site is fully responsive. [4-5]	5
Testing	Limited testing of functionality in 2 different web browsers. [0-3]	All pages have been tested for functionality, in 2 different web browsers, with some evidence of corrections implemented, as necessary. [4-7]	Comprehensive testing of the functionality of all pages, in 2 different web browsers, with detailed evidence of corrections implemented, as necessary. [8-10]	10
Presentation	Limited reflection of the choices made during development and some attempt to identify weaknesses in the site. [0-1]	Meaningful reflection of the choices made during development, with some attempt to identify weaknesses, offering some recommendations for improvement. [2-3]	Meaningful reflection of the choices made during development, with accurate identification of weaknesses, and sensible recommendations for improvement offered. [4-5]	5

Marks Awarded

Project Planning	Marks Available	Marks Awarded	Comments
Research	10		
Project Plan	5		
Project Proposal	5		
Sitemap & Storyboard	10		
Database Design	5		
Development			
Database Implementation, with CRUD	15		
Implementation of site structure	5		
Aesthetics	10		
Use of dynamic and interactive functionality	15		

SEO	5		
Responsiveness	5		
Testing			
Testing	10		
Presentation	5		
Total marks	**100**		