Assignment Brief (RQF)

Higher National Certificate/Diploma in Computing

Unit 13: Website Design and Development

Assignment Brief

Student Name/ID Number	
Unit Number and Title	**Unit 13: Website Design and Development**
Academic Year	2023
Unit Tutor	Hein Moe Aung
Assignment Title	**Assignment 2 of 2: Designing, Developing and Testing a WebLog**
Issue Date	13th Nov 2023
Submission Date	7th Dec 2023
Unit Learning Outcomes	

The purpose of this assignment is to:

LO3: Utilise website technologies, tools and techniques with good design principles to create a multipage website

LO4: Create and use a Test Plan to review the performance and design of a multipage website

Transferable skills and competencies developed
On successful completion of the unit, students will be able to explain the server technologies and management services associated with the hosting and management of secure websites, categorise website technologies, tools and software used to develop websites, utilise website technologies, tools and techniques with good design principles to create a multipage website and create and use a Test Plan to review the performance and design of a multipage website.

Vocational scenario
You are junior Web Developer at **SK 49** software development and solution Company. **SK 49** is providing IT services and solution for all sort of platforms including Desktop, Client-Server solutions, android, iOS and web.

Currently, head of HR planned to launch newbie on-job web development training program for recruitment purpose. So, your CTO assigned you to design (wireframing), develop, and test a fully functioning front end Weblog (Blog) with rich web design principles. This designated website will be going to familiar with basic website's structures, steps, principles and testing processes for OJTers. So, as part of this task, you need to perform two main tasks. These tasks and the brief requirements for basic Blog's features are_

- **Utilising** website technologies, tools and techniques with good design principles to create a multipage weblog.
- **Creating and using** a Test Plan to review the performance and design of a multipage weblog.

  Moreover, you may Justify the multipage website implementation decisions against the design document, and analyse the Quality Assurance (QA) process and review how it was implemented during the multipage website design and development stages.

  Finally, you would like to evaluate the design and development process of the multipage website against the design document including any technical challenges faced and the results of the Test Plan and the overall success of the multipage website with recommendations for improvement. |

The brief requirements for basic Blog's features are_

- Modern and call to action-driven index page with some selected blogs
- A good navigation design with multiple blog categories
- Commenting and user ranking features for community safety
- About the blogger and supplying contact information via multiple channels.

As a summery, you need to wireframe a tentative design, develop multipage weblog, and develop a test plan and test result analysis document.

Assignment activity and guidance

Utilising website technologies, tools and techniques with good design principles to create a multipage weblog

For this task, you need to create design (tentative wireframe) document for your weblog. This must meet the full set of client and user requirements. Then implement with *src* to crate your weblog design supported with some realistic content.

Moreover, you would like to justify with your own judgements and reasons for your multipage weblog. Finally, you would like to evaluate the design and development process of your multipage weblog against the design document including technical challenges faced.

Creating and using a Test Plan to review the performance and design of a multipage weblog.

For this task, you need to create a suitable test plan, identifying key performance areas to review the functionalities and performance of your multipage weblog. Moreover, you would like to analyse your Quality Assurance process and review how it was implemented during the design and development stages. Finally, you would like to evaluate the results of the test plan and the overall success of the multipage weblog with your recommendations for improvement.

Notes to students:

Formative Sections: 28th and 29th Nov 2023

Deadline: 7th Dec 2023.