Assignment Brief 1 (RQF)

Higher National Certificate/Diploma in Computing

Student Name/ID Number:	
Unit Number and Title:	**Unit 30: Application Development**
Academic Year:	**2021 – 2022**
Unit Assessor:	**Hoang Nhu Vinh**
Assignment Title:	**Analysis and Design solution for a given problem**
Issue Date:	**01 April 2021**
Submission Date:	
Internal Verifier Name:	
Date:	

Submission Format:

Format: The submission is in the form of two documents/files

- An individual SRS document in PDF format. Writing must be professional.
- An individual evaluation document in PDF format. Writing must be professional.

Submission

- Students are compulsory to submit the assignment in due date and in a way requested by the Tutor.
- The form of submission will be a soft copy posted on http://cms.greenwich.edu.vn/.
- Remember to convert the word file into PDF file before the submission on CMS.

Note:

- The individual Assignment *must* be your own work, and not copied by or from another student.
- If you use ideas, quotes or data (such as diagrams) from books, journals or other sources, you must reference your sources, using the Harvard style.
- Make sure that you understand and follow the guidelines to avoid plagiarism. Failure to comply this requirement will result in a failed assignment.

Unit Learning Outcomes:

LO1 Produce a Software Design Document by analysing a business-related problem and deduce an appropriate solution including a set of initial requirements

LO2 Use design and development methodologies with tools and techniques associated with the creation of a business application

Assignment Brief and Guidance:

Scenario: As the technology is being developed rapidly nowadays, FPT Co. desires to build the continuing study environment throughout the corporation. It is necessary to develop a system, which manages the activity of "Training" for internal training program of the company. This system can be used to manage trainee accounts, manage trainers, manage course categories, manage courses, manage topics, assign topic to course, assign trainer to topic, assign trainee to course.

This is a system used by HR department. We have four roles in this system, an administrator, training staff, a trainer and trainees. The detailed description of those roles can be viewed in the attached document (Requirements.docx).

Tasks

You and your team (2 members/team maximum) need to prepare a software design document with the following sections:

- o A requirement specification which explores the problem by a set of user and system requirements, as well as determine any risks related to the successful completion of your application. You are advised to use an SRS template or modify one to complete this task.
- o An evaluation section in which you research the use of software development tools and techniques and identify any that have been selected for the development of this application. You should compare them and justify your choices.
- o A design section in which you use chosen tools from previous step to produce design diagrams for your solution based on the requirement specification.

Learning Outcomes and Assessment Criteria (Assignment 1):			
Learning Outcome	Pass	Merit	Distinction
LO1	**P1** Explore a business-related problem and produce a well-defined Problem Definition Statement supported by a set of user and system requirements. **P2** Determine any areas of risk related to the successful completion of your application.	**M1** Analyse a business-related problem using appropriate methods and produce a well-structured Software Design Document that defines a proposed solution and includes relevant details on requirements, system analysis, system design, coding, testing and implementation.	**D1** Justify the tools and techniques chosen to realise a custom built website. Justify your preferred selection of tools and techniques in deducing an appropriate solution to a business related problem.
LO2	**P3** Research the use of software development tools and techniques and identify any that have been selected for the development of this application.	**M2** Compare the differences between the various software development tools and techniques researched and justify your preferred selection as well as your preferred software development methodology.	