**ASSIGNMENT 1 BRIEF**

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| **Qualification** | **BTEC Level 5 HND Diploma in Computing** | | |
| **Unit number** | 10: Website Design & Development | | |
| **Assignment title** | Web Services Presentation and Guidebook | | |
| **Academic Year** | 2018 – 2019 | | |
| **Unit Tutor** |  | | |
| **Issue date** |  | **Submission date** |  |
| **IV name and date** |  | | |

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| **Submission Format:** |
| *Format:* Two ten-minute Microsoft® PowerPoint® style presentations to be presented to your colleagues  *Submission* Students are compulsory to submit the assignment in due date and in a way requested by the Tutors. The form of submission will be a soft copy posted on <http://cms.greenwich.edu.vn/>  *Note:* The Assignment *must* be your own work, and not copied by or from another student or from  books etc. 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 know how to reference properly, and that understand the guidelines on plagiarism. *If you do not, you definitely get failed* |
| **Unit Learning Outcomes:** |
| **LO1** Explain server technologies and management services associated with hosting and managing websites.  **LO2** Categorise website technologies, tools and software used to develop websites. |
| **Assignment Brief and Guidance:** |
| You work as a full-stack web team leader for a leading creative web solutions and marketing company. Your team is about to have a big contract to develop an online shopping mall.  One of the preparation tasks is to choose appropriate tools and techniques to realise a custom built website.  As part of your role, you have been asked to create an engaging presentation to help train junior staff members on basic web technologies including hosting and website management as well as server technologies. Your presentation should not only explain basic knowledge in the domain but also points out the impact of these technologies to website design, functionality, management or performance.  You also need to present more technical presentation to senior staff members to discuss about front-end, back-end technologies as well as other tools, techniques and softwares used to develop website from simple (online website creation tools) to complicated (custom built). Your presentation will be used as guidance of choosing suitable tools and techniques for the next project. |

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| **Learning Outcomes and Assessment Criteria** | | |
| **Pass** | **Merit** | **Distinction** |
| **LO1** Explain server technologies and management services associated with hosting and managing websites | | **LO1 & 2**  **D1** Justify the tools and techniques chosen to realise a custom built website. |
| **P1** Identify the purpose and types of DNS, including explanations on how domain names are organised and managed.  **P2** Explain the purpose and relationships between communication protocols, server hardware, operating systems and web server software with regards to designing, publishing and accessing a website. | **M1** Evaluate the impact of common web development technologies and frameworks with regards to website design, functionality and management.  **M2** Review the influence of search engines on website performance and provide evidence-based support for improving a site’s index value and rank through search engine optimisation. |
| **LO2** Categorise website technologies, tools and software used to develop websites | |
| **P3** Discuss the capabilities and relationships between front-end and back-end website technologies and explain how these relate to presentation and application layers.  **P4** Discuss the differences between online website creation tools and custom built sites with regards to design flexibility, performance, functionality, User Experience (UX) and User Interface (UI). | **M3** Evaluate a range of tools and techniques available to design and develop a custom built website. |