**ASSIGNMENT 3 BRIEF**

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| **Qualification** | **BTEC Level 5 HND Diploma in Computing and Systems Development** | | |
| **Unit number and title** | Unit 14: Website Design | | |
| **Assignment issued** |  | **Assignment due** |  |
| **Assessor name** |  | | |

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| **Assignment title** | **Purpose of this assignment**  Web sites are now an integral part of IT support for business and personal use. Being able to implement websites is an essential skill for an IT career.  **Scenario**  MWS require a website to advertise, catalogue and allow purchases of their products. You now need to implement the design you created in assignment 2. |
| **Aim of the assignment** | This assignment satisfies the following learning outcomes and assessment criteria:  LO3: Be able to implement interactive websites   * 3.1 Implement a fully functional interactive website using a design specification   LO4: Be able to test interactive websites   * 4.1 Critically review and test the website * 4.2 Analyse actual test results against expected results to identify discrepancies * 4.3 Evaluate independent feedback and make recommendations for improvements * 4.4 Create on screen help to assist the users * 4.5 Create documentation for the support and maintenance of the website |
| **Specific requirements**  *(see Appendix for assessment criteria and grade descriptors)* | Task 1 (LO2 AC 3.1 and 4.4, M1 and D2)  Implement the design. Your web site must:   * Be responsive * Use CSS for a common style across pages for navigation and classes * Use headings, lists and buttons * Have clickable images * Be interactive (use modals for example) * Contain animation * Have onscreen help (either by linked pages or button activated modals) * This will be assessed by witness statement and evidenced using annotated screen shots. |
| Task 2: (LO4 AC 4.1, 4.2, 4.3 and D3)  Produce a test plan and execute it. You must include –   * Checking all links and buttons * Animations and modals work as expected * Correct spelling and grammar * Correct, responsive, appearance on mobile, tablet and desktop * Correct content * You will need to critically review the actual outcomes of the tests against your expected outcomes. Include a problem log for any issues that required correcting.   Your design has to be peer reviewed by a colleague. When it is complete ask them to review your plan for the following:   * Meeting the needs of MWS * Suitability of the web site for the target audience * Usability and accessibility of the web site * Attractiveness of the design   Prepare a questionnaire asking them to rate each section of the design for the four criteria above on a scale of 1-5. Allow for written comments and an overall conclusion.  Review the results of the questionnaire and compare them with your own evaluation of the solution. Describe any modifications you would make to the solution as a result of the feedback – but do not change your original solution. |
| Task 3: (LO4 AC 4.5 and M3)  Write a document to assist in supporting and maintaining the website. This must include:   * File structure and locations * Essential scripts (eg Bootstrap and JavaScript) * Site map * Required image sizes * Details of any unique or complex scripts |
| **Student guidelines** | * Task 1   A completed witness statement and annotated screenshots of the required features   * Task 2   A test plan, problem log and your evaluation. Results of the questionnaire along with your analysis and proposed modifications. About 600 words.   * Task 3   The technical support document (not more than 6 sides of A4, including diagrams and screenshots) |
| **Submission requirements** | Students are expected to submit hard copy of assignment |

**Appendix A- Grade Descriptor**

**PASS criteria**

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| LO | Learning outcome (LO) | AC | In this assessment you will have the opportunity to present evidence that shows you are able to: | Task no. |
| L03 | Be able to implement interactive websites | 3.1 | Implement a fully functional interactive website using a design specification | 1 |
| LO4 | Be able to test interactive websites | 4.1 | Critically review and test the website | 2 |
| 4.2 | Analyse actual test results against expected results to identify discrepancies | 2 |
| 4.3 | Evaluate independent feedback and make recommendations for improvements | 2 |
| 4.4 | Create on screen help. | 1 |
| 4.5 | Create documentation for the support and maintenance of the website | 3 |

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| In addition to the above PASS criteria, this assignment gives you the opportunity to submit evidence in order to achieve the following MERIT and DISTINCTION grades | | |
| Grade Descriptor | Indicative characteristic/s | Contextualization |
| M1 Identify and apply strategies to find appropriate solutions | Complex problems with more than one variable have been explored | In task 1 you have to integrate several features into an attractive and usable web site. To achieve M1 your web site will be judged on the overall usability and appearance of the web site. |
| M2 Select/design and apply appropriate methods/techniques | Not this assignment |  |
| M3 Present and communicate appropriate findings | The appropriate structure and approach has been used | Task 3 requires you to write technical documentation to support the web site. To achieve M3 you should use the normal conventions for this, eg monospaced font for items displayed or to be entered into the computer. |
| D1 Use critical reflection to evaluate own work and justify valid conclusions | Not this assignment |  |
| D2 Take responsibility for managing and organizing activities | Autonomy/independence has been demonstrated | In task 1 there are a minimum set of features required. To achieve D2 you need to incorporate features you have researched and implemented yourself. These should include: W3C compliance, search engine optimisation, shopping cart and payment methods |
| D3 Demonstrate convergent/lateral/ creative thinking | Self-evaluation has taken place | In task 2 you have to critically evaluate your implementation and include feedback from users. To achieve D3 you need to relate this back to the design and requirements for the website and discuss how they have, or have not, been achieved. |

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| This brief has been verified as being fit for purpose | | | | | |
| **Internal Verifier 1** |  | Signature |  | Date |  |
| **Internal Verifier 2** |  | Signature |  | Date |  |