**UNIVERSITY CENTRE SOMERSET**

**Computing and Digital Technologies**  
Assignment Coversheet and Grading Criteria  
2019 / 2020

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| **Qualification** | | | **Module Code and Title** | |
| BSc (Hons) Computing and Digital Technologies  FdSc Computing and Digital Technologies | | | SCDT42 Web Application Development | |
| **Student Name and Number** | | | **Module Tutor** | |
|  | | | Simon West | |
| **Date Issued** | | **Submission Date** | | **Return Date** |
| 05/03/2019 12:00 | | 30/04/2019 15:00 | | 11/06/2020 12:00 |
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| **Assignment Number** | 2 of 2. This assignment is worth 50% of the overall module. | | | |
| **Assignment Title** | Coursework Two - Website and Documentation | | | |

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| **Module Learning Outcomes**  *To achieve the outcomes the evidence must show that the learner is able to:* | |  | **Task no.** |
| A1 | Comprehensively understand of the use of digital solutions for competitive advantage within business. |  | 1 |
| B2 | Critically analyse and contrast the performance and extent to which a website design meets its requirements against competitors. |  | 1 |
| C2 | Design, develop and evaluate a solution to a complex web based problem. |  | 1 |

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| **Word Count of Submission** | 2000 |
| **Student Declaration** | |
| Through submitting this assignment through Turnitin you agree that the work was prepared entirely by yourself in accordance with Open University’s Prevention of Academic Dishonesty Code of Practice. | |

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| **Assignment Feedback** |
| All feedback for this assignment will be provided through Turnitin in accordance with the grading criteria below on the given return date. |

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| **Assignment Task(s)** | |
| **Task no.** | **Task details** |
| 1 | Given your successful analysis of All Stars Sports Bar (<https://www.allstarssportsbars.co.uk/>) you have been tasked with designing, developing and evaluating your proposed web based solution.  You need to redesign and develop the current website’s front-end to improve the overall user experience and interface following modern design principles and utilising current web technologies and frameworks. The following minimum requirements have been provided.  The website must:   * Be mobile-first in its design * Contain all pages from the current site and any relevant information * Provide up-to-date sports information * Have a suitable contact method for enquires   For this assignment you must:   * Design and develop a suitable solution which meets the minimum requirements using suitable web development tools and frameworks * Include any suitable additional features and/or functionality * Use an appropriate version control system e.g. GitHub * Fully testing the website in relation to performance, functionality and compare results against competitor websites * Produce suitable end-user documentation demonstrating how to interact with the website and its functionality * Evaluate the completed website against the requirements * Evaluate the suitability of the web development tools, programming languages and frameworks that were employed. * Discuss how the solution provides a competitive advantage and how it could be improved on in future.   You are required to produce documentation which includes the following:   * Requirements * UX and UI Designs * Tools, Frameworks and Programming Languages * Version Control / Repos * Annotated Code Listings * Testing * End-User Documentation * Evaluation * Appendices *– If Applicable* * References   You are also required to submit a ZIP file of your entire website through an additional link in Turnitin and provide access to your private GitHub repo to simonwestuk. |

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| **Sources of Information** |
| Duarte, N. (2010) ‘Resonate: Present Visual Stories that Transform Audiences’, *Transform*.  Duckett, J. (2011) *HTML and CSS: Design and Build Websites*, *John Wiley & Sons*.  Duckett, J., Ruppert, G. and Moore, J. (2014) *JavaScript and JQuery*, *Interactive Front-End Web Development Hardcover*. |

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| **Submission Requirements** |
| 1. Check the grading criteria below to ensure your assignment document meets the demands of the above task(s). 2. If the assignment contains any practical work, place any relevant additional files (i.e. software) in to a folder and zip-up the entire folder into a single zip file. 3. Name the assignment document and any relevant ZIP file using the following format:  SCGT42 \_CW2\_*StudentNumber\_FirstName\_LastName*.docx/zip  (replace the *placeholders* with your student number, first and last name respectively) 4. Go to the Turnitin and use the upload facility to submit your assignment and any required ZIP file to the relevant module. There is no need to submit this assignment brief. |

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| **IMPORTANT INFORMATION** | |
| * Please stay within the limits of the word count stated at the top of assignment brief. Any additional content over the word count limit (plus or minus 10%) will be disregarded and not be assessed at all.  All work should be submitted online via Turnitin.Please ensure that you submit your assignment on the right submission slot for each module.It is your responsibility to check that you can access Turnitin and Blackboard properly. If your college student account is locked, please contact IT on 01823 366 354 or email them to ITSHelpdesk@btc.ac.uk and request to have your account unlocked, but please ensure you allow plenty of time to do this, do not leave everything until the last day of your deadline.If there are circumstances where you need to submit your assignment other than online, please discuss your needs with the module tutor and alternative arrangements could be made so that you can submit your coursework within the set deadline.Regulations allow you to submit coursework up to 6 working days late. A penalty of deducting 10% will be applied for each day an assignment is late, with a maximum penalty of deducting 60% from your final mark for the late assignment. Any assignment submitted later than 6 days with be awarded a mark of zero. |

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| Numeric Grade | Descriptor  (Class Band) | Undergraduate Grading Criteria | | | | |
| Requirements and UI/UX Designs | Implementation | Functionality, Usability and Performance Testing | Web Development Tools and Frameworks and Competitive Advantage Evaluation | Overall Structure |
| 80-100 | Outstanding  (Upper Distinction) | Website requirements are refined and UI/UX designs are of industry standard and shows outstanding use of a range of techniques and tools. The scope of the project goes vastly beyond the minimum requirements. | Industry standard web-based solution has been produced which has used a wide range of industry standard tools and frameworks to a professional level. All code has been annotated to a professional level. VCS has been used suitably and professionally throughout the development of the solution, with annotated commits/changes. | Outstanding testing of the web-based solution using a wide variety of industry standard tools and/or methods to fully test every aspect of functionality, usability and performance. Testing evidence is technical, concise and extremely well-presented. | Outstanding critical evaluation of web development tools and frameworks that have been employed in development of the web-based solution. An enriched critical evaluation of the web-based solutions potential advantage over competitors has been provide. | Referencing is of professional publication quality. The structure of the report follows all UCS guidelines and is over publication quality. |
| 70-79 | Excellent  (Lower Distinction) | Website requirements are refined and UI/UX designs are of industry standard and shows excellent use of a range of techniques and tools. The scope of the project goes beyond the minimum requirements. | Implementation is of a very high standard. The web-based solution has been produced using a wide range of industry standard tools and frameworks to an excellent level. All code has been annotated clearly. VCS has been used suitably throughout the development of the solution. | Excellent testing of the web-based solution using a # variety of industry standard tools and/or methods to fully test functionality, usability and performance. Testing is very well presented with technical evidence. | The web development tools and frameworks employed in the development are evaluated successfully and fully. An insightfully critical evaluation of the web-based solutions potential advantage over competitors has been provided. | All citations have been incorporated properly into the text. All references listed properly in the reference list. The structure of the report follows all UCS guidelines and is over very high quality. |
| 60-69 | Very Good (Commendation) | Website requirements are highly suitable and UI/UX designs are of very good standard and shows the application of a good range of techniques and tools. The scope of the project is above the minimum requirements. | Implementation is of a very good standard. The web-based solution has been produced using a range of industry standard tools and frameworks to a good level. Most code has been annotated clearly. VCS has been used during the development of the solution. | Very good testing of the web-based solution using industry standard tools and/or methods to test functionality, usability and performance. Testing is very well presented with technical evidence. | The web development tools and frameworks employed are discussed and evaluated in a mainly successful manner, with the suitability of each being fully explored. A somewhat critical evaluation of the web-based solutions potential advantage over competitors has been provided. | Only minor errors in incorporating citations into the text. Only minor errors in incorporating references into the reference list. The structure of the report follows all UCS guidelines and is over high quality. |
| 50-59 | Good/Satisfactory  (Upper Pass) | Website requirements are suitable and UI/UX designs are of suitable standard and shows the application of a range of techniques and tools. At times, the scope of the project is above the minimum requirements. | Implementation is of a good standard. The web-based solution has been produced using a range of industry standard tools and frameworks to a good level. Most code has been annotated clearly. VCS has been used during parts of the development of the solution. | Testing of the web-based solution using suitable tools and/or methods to test functionality, usability and performance is of a satisfactory standard. Testing is well presented with technical evidence. | The web development tools and frameworks employed are discussed and evaluated in a somewhat successful manner, with the suitability of each being explored. An evaluation of the web-based solutions potential advantage over competitors has been provided. | A few errors in incorporating citations into the text. A few errors in incorporating references into the reference list. The structure of the report follows all UCS guidelines. |
| 40-49 | Marginal Pass / Satisfactory (Lower Pass) | Website requirements are suitable and UI/UX designs are of suitable standard and shows the application of a range of techniques and tools. At times, the scope of the project is above the minimum requirements. | Implementation is of an adequate standard. The web-based solution has been produced using a limited range of industry standard tools and frameworks. Some code has been annotated to clearly. VCS use is very limited throughout the project, potentially less than 3 commits/versions. | Adequate testing of the web-based solution has been conducted and employs some suitable tools and/or methods to test functionality, usability and performance. Testing is well presented with evidence. | The web development tools and frameworks employed are discussed and evaluated in an adequate manner, with the suitability of each being explored although descriptive at times. A mainly descriptive evaluation of the web-based solutions potential advantage over competitors has been provided. | Some errors in incorporating citations into the text. Some errors in incorporating references into the reference list. . The structure of the report follows all UCS guidelines. |
| 20-39 | Clear Fail  (Fail) | Poor requirements that are not suitable and out of scope, and UI/UX designs are incomplete or not of a suitable standard. The solution does not meet minimum requirements. | Implementation is of a poor standard. The web-based solution has been produced using a very limited range of industry standard tools and frameworks. Very little code has been annotated clearly. VCS use is very limited throughout the project, potentially 1 commits/versions. | Testing of the web-based solution uses limited tools and/or methods and/or does not cover functionality, usability and performance. Testing is poorly presented with limited evidence. | The web development tools and frameworks employed are discussed in a highly descriptive manner. A limited and shallow evaluation of the potential advantage over competitors has been provided. | Many errors in incorporating citations in text  Many errors in incorporating and reference list. Poor structure throughout that does not report follow all UCS guidelines. |
|  | Nothing of Merit  (Fail) | Nothing of merit has been submitted for the requirements and/or UI/UX designs. | Nothing of merit has been submitted No | Nothing of merit has been submitted for functionality, usability and performance testing. | Different web development tools and frameworks are not discussed or evaluated. | References have not been incorporated in accordance with University guidelines. Very poor structure throughout. |