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| Assignment brief – QCF BTEC  Assignment front sheet | | | | | |
| **Qualification** | | | | **Unit number and title** | |
| **BTEC Level 3 Nationals in Information Technology** | | | | **Unit 20: Client side customisation of web pages. IT** | |
| **Student name** | | | | **Assessor name** | |
|  | | | | Tory Mirza | |
| **Date issued** | | **Interim Deadline** | | **Final Deadline** | **Submitted on** |
| 19/11/2018 | |  | | 18/12/2018 |  |
|  | | |  | | |
| **Assignment title** | Understand the fundamentals of cascading style sheets (CSS) | | | | |
| In this assessment you will have opportunities to provide evidence against the following criteria.  Indicate the page numbers where the evidence can be found. | | | | | |

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| **Criteria reference** | **To achieve the criteria the evidence must show that the student is able to:** |  | **Evidence**  **(File Name/Page Numbers)** |
| **P3** | Explain the fundamentals of a scripting language |  |  |
| **P5 (Partial)** | Create interactive web pages using CSS and a scripting language |  |  |
| **P6 (Partial)** | Test interactive web pages |  |  |
| **M2** | Discuss how a scripting language can improve functionality |  |  |
| **D1** | Explore how web pages using scripts are implemented in different browsers |  |  |
| **D2** | Evaluate the webpages and discuss potential improvements |  |  |

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| **Student declaration** |
| I certify that the work submitted for this assignment is my own and research sources are fully acknowledged.  Student signature: Date: |

Assignment brief

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| **Qualification** | | | | BTEC Level 3 Nationals in Information Technology | | | | |
| **Unit number and title** | | | | **Unit 20: Client side customisation of web pages.** | | | | |
| **Assessor name** | | | | Tory Mirza | | | | |
| **Date issued** | | | | 19/11/2018 | | | | |
| **Deadline** | | | | 18/12/2018 | | | | |
|  | | | | | | | | |
| **Assignment title** | | | | Javascript | | | | |
| **Scenario**  CMS Web Solutions would you to add some JavaScript functionality to your site, but also to write an Introduction to JavaScript for the benefit of their clients. | | | | | | | | |
| **Task 1**  You need to prepare a user guide on the JavaScript programming language. The guide should include some information on the main features of JavaScript **[P3]**. You also need to explain how JavaScript can enhance the user experience, and show some examples of web pages using JavaScript for interactivity **[M2]** | | | | | | | | |
| **Task 2**  Write a short specification for some interactive JavaScript features you might add to your website, and the improvements this would make to your pages. **[M2]** | | | | | | | | |
| **Task 3**  Add the interactive JavaScript functions to your website **[P5]** | | | | | | | | |
| **Task 4**  When you site is complete you will need to create and run a test plan. This must involving checking the interactive features as well as the basic functionality (links etc.). **[P6]**  Part of this process will involve testing your site in a number of different web browsers. You should include a substantial testing table with screenshots. You should do some research to find out about *layout engines* and *JavaScript engines* and discuss the engines used by the different browsers. **[D1]** | | | | | | | | |
| **Task 5**  Finally, you need to do an extensive evaluation of your website: assessing the degree to which it functions as intended, and to what extent it is suitable for its *audience* and *purpose*. You should suggest at least two substantial improvements that you would add to a ‘Version 2.0’ of this site. **[D2]** | | | | | | | | |
| **Evidence checklist** | | | | | | | | |
| * Javascript user guide **(P6 and M2)** * Discussion of javascript to be added to your website **(M2)** * Zipped website with Javascript **(P5)** * A development grid showing code used, browser output, and any errors identified and how these were corrected **(P6)** * Javascript report **(D1)** * Website Evaluation **(D2)** | | | | | | | | |
| **Sources of information** | | | | | | | | |
| Assessor's comments | | | | | | | | |
| **Qualification** | | BTEC Level 3 Nationals in Information Technology | | | **Assessor name** | Tory Mirza | | |
| **Unit number and title** | | Unit 20: Client side customisation of web pages. | | | **Student name** |  | | |
|  | | | | | | | | |
| **Criteria reference** | **To achieve the criteria the evidence must show that the student is able to:** | | | | | | | **Achieved?** |
| **P3** | Explain the fundamentals of a scripting language | | | | | | |  |
| **M2** | Discuss how a scripting language can improve functionality | | | | | | |  |
| **P5 (partial)** | Create interactive web pages using CSS and a scripting language | | | | | | |  |
| **P6**  **(partial)** | Test interactive web pages. | | | | | | |  |
| **D1** | Explore how web pages using scripts are implemented in different browsers | | | | | | |  |
| **D2** | Evaluate the webpages and discuss potential improvements | | | | | | |  |
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| **Student feedback** | | | | | | | | |
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| **Assessor** **feedback** | | | | | | | | |
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| **Action plan** | | | | | | | | |
|  | | | | | | | | |
| **Assessor signature** | | |  | | | **Date** |  | |
| **Student signature** | | |  | | | **Date** |  | |