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| **BTEC National Extended Diploma in** **Information Technology** | | |
| **Assessment Title: Web Scripting Principles** | | |
| Assessor: Mark Higgins | Student: | Course code: GSDED3/18-Y2 |
| Unit Number: 27 | Unit Title: Web Server Scripting | Assessment Code: 27.02 |
| Hand out Date : 10/3/20 | Hand in date: 23/3/20 | Date handed in: |

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| **Scenario**  You are continuing you new job as a web programmer for a web design company - WebTech They want you to add more content to the intranet site you have been developing (from Assignment 1 and 2).  **Tasks**  Task 1  Write a page discussing the use of Web server scripting. First outline the variety of languages available (PHP, Python, ASP, Perl), what they are generally used for and some of the features of the language (performance, built-in functions, interpreted-vs-compiled).  Then compare their use and functionality with client-side scripting, what are the differences, the advantages and disadvantages of both, and use examples. Functionality could be shopping cart program, online user profile/account, website visitor analysis, etc.  Go on to evaluate how and why they might best be used in combination, again with examples.  Task 2  Explain both the security (weak passwords, format of saved passwords, SQL injection) and ethical problems that come with the use of web server scripting/programming and recommend ways of improving the security of a site built using web server scripting systems. |

**What to hand in:**

1. Report about server side scripting/programming.

2. A printout of the screen view of your page(s) on server side scripting/programming uses and its comparison with client side using JavaScript.

3. A printout of the screen view of the page(s) on security and ethical considerations.

**How to hand in your assessment**

This assessment must be printed out and handed in and also uploaded onto the VLE by the hand in date on the front of the assignment brief.

If you have a valid reason why you will not be able to hand in the work on time (up to 3 days later), you will need to fill out and hand in an AE1. If you need to ask for a longer extension you will need to fill out and hand in an AE2 to your Head of School at least two days before the assessment deadline.

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| **Student declaration:**  I have read the Assignment Submission Procedure. I agree that this is my own work or my own work and that of other members of my group. It has not been copied (plagiarised) from any other source e.g. the internet, a book, another student or group of students. I know that I may FAIL this assignment if my Head of School proves that this is not my own work. | | | |
| Student signature |  | Date: |  |

For staff use only.

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| **Internal Verification** | This assessment has been verified and form IV8 completed: | IV name:  Trevor Till | IV signature:  TTill | Date:  4/10/19 |

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| SMOG INDEX: | 9.3 |

N.B. Test for readability on scenario and tasks only.

**Assessor marking grid**

**Student name:**

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| Grading criteria | Grading criteria | Achieved  Not Submitted  Fail  Resubmission | Comments/Feedback | Target date  for referral. |
| P1 | explain the principles of web server scripting |  |  |  |
| P6 | explain the issues surrounding web server scripting. |  |  |  |
| M1 | compare server-side and client-side scripting |  |  |  |
| D1 | evaluate the combined use of client and web server scripting |  |  |  |
| D3 | recommend ways to improve web security when using web server scripting |  |  |  |

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| **General comments and feedback on English and maths** |
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| **Actual Grade** | **Grading criteria** | P1 | P6 | M1 | D1 | D3 |  |  |  |  |  |  |  |  |  |  |  |  |
| **Achieved?** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Please note that the grade that you have been awarded is subject to confirmation following internal verification and external sampling by the Awarding Body.

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| I certify that the evidence submitted for this assignment - either via the VLE or other method - is the learner’s own. The learner has clearly referenced any sources used in the work. I understand that false declaration is a form of malpractice. |

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| Assessor signature: | Date marked: |