|  |  |  |  |
| --- | --- | --- | --- |
| **Qualification Details** | | | |
| **Training Package Code & Title** | **Electrotechnology Training Package (UEE ver 2.0)** | | |
|  | **UEE40720 – Certificate IV in Electronics and**  **Communications** | **State code:** | **BFP4** |
| **UEE40120 – Certificate IV in**  **Computer Systems** | **BFL8** |
| **UEE50520 – Diploma of Electronics and**  **Communications Engineering** | **BFL8** |
| **UEE50120 – Diploma of**  **Computer Systems Engineering** | **BFQ6** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Student Name** | Richard Pountney | | |
| **Student Declaration** | I declare that the evidence submitted is my own work:  **~~RBP~~**  **………………………………………………………………………….** | | |
| **Assessors Name** | Saranya Chandrukannan | | |
| **Date Due** | Week 8 - 10 | **Date Received** | Click here to enter a date. |

|  |  |  |  |
| --- | --- | --- | --- |
| **Units of Competency (UoC) detailed in this DAP | Week/Stage/Block** | | | |
| **Unit National code and title** | *UEECS0018**Develop web pages for engineering applications* | **State Code** | **OCC10** |
| **Assessment Tool** | **KBA** | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Assessment Decision** | Satisfactory | | | Not Yet Satisfactory | | |
| **Assessor Signature** |  | | **Date** | | Click here to enter a date. | |
| **Feedback to student** | | | | | | |
|  | | | | | | |
| **Feedback from student** | | | | | | |
|  | | | | | | |
| **Student signature** | |  | **Date** | | |  |

|  |
| --- |
| **Assessment process instructions to Student and Assessor, including reasonable adjustment in the assessment process:** |
| As the student you are required to:   1. Students are to answer the questions in this Word document and submit their answers on Blackboard. 2. Students are to talk to their lecturer if they have any questions related to completing these tasks. 3. A final inspection is completed by the lecturer to ensure the answers are up to standard. 4. Students are to plan own work requirements and prioritise their actions to achieve the required outcome and ensure the tasks are completed within workplace timeframes. 5. If you are deemed Unsatisfactory you will be given a second attempt. The student is to discuss with the lecturer on a date and time. 6. Questions are to be answered in full and all questions must be answered satisfactorily 7. Feedback and outcome will be provided on Blackboard   **Assessor Instructions:**   1. Students are to answer the questions in this Word document and submit their answers on Blackboard. 2. Students are to demonstrate all the following skills during the practical tasks in a simulated environment. If any skills are NOT demonstrated the student will be required to reattempt the practical task again at a time to be negotiated. 3. The assessor must check the student’s answers, mark them, and provide feedback. 4. Students are allowed to use the lectures slides and official internet resources. 5. The assessor will only sign off this assessment sheet when the student has performed all of the identified skills to a satisfactory level. On either the first or second attempt. 6. If a student requires reasonable adjustment please discuss with your Academic Leader, refer the DAP and to the Policy and Legislation on the Intranet: <http://intranet.smtafe.wa.edu.au/org/cs/services/Pages/policy.aspx> |

**Task description:**

* For this assessment, you are required to answer **all** questions.
* The purpose of the assessment is to ensure that you have the essential knowledge required to use Web page application software.
* Questions are an important part of the assessment for this unit. Based on your responses the assessor will determine if you have the knowledge and understanding required.
* You will be provided with feedback after your first assessment attempt. If required, apply this feedback to any further assessment attempts.
* You are allowed to access your notes, lectures slides or learning guides and any other resources as required.

**Assessment 02: Questions**

|  |  |  |
| --- | --- | --- |
| **Question 1** | **Explain the client-server architecture model and its relevance to web page development.** | Satisfactory Response? |
| **Answer** | The client-server architecture model is a system that hosts, delivers, & manages most of the resources & services that the client requests. It is relevant to web development | ☐ |
| **Feedback** |  |

|  |  |  |
| --- | --- | --- |
| **Question 2** | **What are the key components of a client-server architecture?** | **Satisfactory Response?** |
| **Answer** |  | ☐ |
| **Feedback** |  |

|  |  |  |
| --- | --- | --- |
| **Question 3** | **Describe different configurations and provide an overview of profiles commonly used in client-server architecture.** | Satisfactory Response? |
| **Answer** |  | ☐ |
| **Feedback** |  |

|  |  |  |
| --- | --- | --- |
| **Question 4** | **How does system architecture impact the development of web pages for engineering applications?** | Satisfactory Response? |
| **Answer** |  | ☐ |
| **Feedback** |  |

|  |  |  |
| --- | --- | --- |
| **Question 5** | **Discuss the role of XML in web page development and its advantages.** | Satisfactory Response? |
| **Answer** |  | ☐ |
| **Feedback** |  |

|  |  |  |
| --- | --- | --- |
| **Question 6** | **Explain how XSL is used to generate HTML from XML in web page development** | Satisfactory Response? |
| **Answer** |  | ☐ |
| **Feedback** |  |

|  |  |  |
| --- | --- | --- |
| **Question 7** | **What are the primary differences between HTML scripting and server-side scripting languages?** | Satisfactory Response? |
| **Answer** |  | ☐ |
| **Feedback** |  |

|  |  |  |
| --- | --- | --- |
| **Question 8** | **Define HTML and its significance in creating web pages.** | Satisfactory Response? |
| **Answer** |  | ☐ |
| **Feedback** |  |

|  |  |  |
| --- | --- | --- |
| **Question 9** | **How do problem-solving techniques apply to web page development?** | Satisfactory Response? |
| **Answer** |  | ☐ |
| **Feedback** |  |

|  |  |  |
| --- | --- | --- |
| **Question 10** | **List and describe some relevant development tools and software used in web page development.** | Satisfactory Response? |
| **Answer** |  | ☐ |
| **Feedback** |  |

|  |  |  |
| --- | --- | --- |
| **Question 11** | **What types of forms are commonly used in web page development, and how are they implemented?** | Satisfactory Response? |
| **Answer** |  | ☐ |
| **Feedback** |  |

|  |  |  |
| --- | --- | --- |
| **Question 12** | **Explain the importance of adhering to manufacturer specifications and installation instructions in web page development.** | Satisfactory Response? |
| **Answer** |  | ☐ |
| **Feedback** |  |

|  |  |  |
| --- | --- | --- |
| **Question 13** | **How are job safety assessments or risk mitigation processes integrated into web page development projects?** | Satisfactory Response? |
| **Answer** |  | ☐ |
| **Feedback** |  |

|  |  |  |
| --- | --- | --- |
| **Question 14** | **Provide examples of relevant server scripting languages and their applications in web page development.** | Satisfactory Response? |
| **Answer** |  | ☐ |
| **Feedback** |  |

|  |  |  |
| --- | --- | --- |
| **Question 15** | **Describe syntax functions and features commonly used in web page development.** | Satisfactory Response? |
| **Answer** |  | ☐ |
| **Feedback** |  |
| **Question 16** | **What are the key WHS/OHS legislated requirements that web developers need to be aware of?** | Satisfactory Response? |
| **Answer** |  | ☐ |
| **Feedback** |  |

|  |  |  |
| --- | --- | --- |
| **Question 17** | **How does relevant workplace documentation support web page development projects?** | Satisfactory Response? |
| **Answer** |  | ☐ |
| **Feedback** |  |

|  |  |  |
| --- | --- | --- |
| **Question 18** | **Discuss the role of workplace instructions, quality standards, policies, and procedures in ensuring effective web page development.** | Satisfactory Response? |
| **Answer** |  |  |
| **Feedback** |  |

|  |  |  |
| --- | --- | --- |
| **Question 19** | **Explain the concept of wireless thin client programming and its implications for web page development.** | Satisfactory Response? |
| **Answer** |  | ☐ |
| **Feedback** |  |

|  |  |  |
| --- | --- | --- |
| **Question 20** | **How do you ensure compliance with relevant legislative requirements and industry standards in web page development projects?** | Satisfactory Response? |
| **Answer** |  | ☐ |
| **Feedback** |  |

**END OF QUESTIONS**