Assessment Task 4: Feedback and Reflections

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| Course code and title | **ICT50220 Diploma of Information Technology** |
| Unit code and  title | **ICTWEB517 Create web-based programs** |
| Due date | 9/6/2024 |
| Resources  required | • ICTWEB517 and ICTWEB517 Moodle Site  • Access to computer and internet  • ICTWEB517 and ICTWEB517 Learner resource |
| Decision making rules | To achieve an overall satisfactory result for this assessment task:   * Learners must achieve a satisfactory result for each item in the **Assessment Checklist.** |
| Learner  instructions | This task requires you to reflect on feedback given to you about the website you created in the previous tasks, make changes based on the feedback, and answer written questions. refer to the Task Details below for more information.  For this task you will:   * Complete it individually. * Write answers to all questions. * Complete it in the classroom or your own time and submit it by the due date. * You will have time to read and review the assessment task in class. * Submit your answers electronically via Moodle, saving the document as Assessment Task 4 StudentID.docx.   You must agree with the assessment submission terms and conditions by clicking on the ‘I confirm’ radio button in Melbourne Polytechnic Moodle prior to the submission.  If you have any questions about the task or concerns about your ability to complete the task, please discuss this with your Assessor. |

## Task Details

Your Assessor will provide you with feedback on the website you created in the previous assessment tasks. You must:

1. Make any amendments as required based on the feedback.
2. Submit the amended website.
3. Answer the following reflection questions. (30-60 words per response)

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| 1. | Explain the feedback you received from your Assessor and describe the changes you made to the website as a result. | After testing, the website basically runs well and there are no obvious network problems. The website basically meets customer needs.  The layout of some pages on the mobile side can be more generous. |
| 2. | Why was it important for you to document each stage of your website design and development? | Helps communicate the goals, objectives, and requirements of the project.  Helps ensure that everyone involved in the project understands the project.  Helps to keep track of what has been done and understand what needs to be done and what changes have been made.  Can be used as a reference for future use |
| 3. | Describe the code debug technique(s) you used and explain why you selected this method. | Chrome Developer Tools Devtools is a web application integrated into the browser.  Provides powerful debugging capabilities and the ability to view performance indicators.  Provides us with the ability to access or edit DOM and CSSOM through the interface. |
| 4. | List three advantages and three disadvantages of HTTP | advantage:  Stateless, each request is independent of each other, and there is no need to save context information by default.  Requests for responses come and go.  HTTP can be easily clustered to scale performance.  shortcoming:  HTTP is insecure and cannot verify the identity of the communicating parties, nor can it determine whether the message has been tampered with.  In order to transmit a web page, an HTTP connection needs to be created. This results in administrative overhead in the connection.  Even if HTTP receives all the data it needs, the client will not take steps to close the connection. Therefore, during this period, the server will not exist. |
| 5. | What authentication and web security did you use? Explain why you selected these methods. | Users do this by entering their username and password, which allows the system to confirm their identity.  The website authentication process works by comparing the user's credentials (username and password) to those in a file.  This can confirm the user's identity and ensure the security of the user's data.  When users enter information into the form, they need to ensure that they do not enter illegally or affect the security of the website. |
| 6. | Why was session management so important for the auto logout function? How is this different to a stateless web page? | The session can check the time of inactivity, and it will automatically log out if it is not operated for a long time, which can prevent the leakage of user information.  Simply put, stateless web pages cannot identify users and cannot save various user information.  On a stateless page, each interaction scene request must bring the previous request information, such as account number and password. |
| 7. | What HTTP protocol did you use for the server-side application | In Laragon, you can access web files by opening the browser and visiting the default site http://localhost.  Provides everything you need to build modern web applications.  GET and POST  GET and POST are the two basic methods of HTTP requests to the server.  GET has a limit on the length of the value, generally 255 characters. POST has no limit on the length of values because they are submitted via the body of HTTP.  When you click on a link on a webpage or browse the webpage by entering the URL in the browser's address bar, the GET method is used. |
| 8. | What data storage requirements did you need to consider? | The mysql database is used, which is a relational database and open source. Many website developers choose MySQL as the website database.  The database needs to save the user's user name, password, country and other data.  Websites must protect data security and comply with data protection laws.  Important data can be encrypted to avoid clear text transmission and storage. |
| 9. | How did you test your website? Explain why this step is so important. | Usability testing: Testing whether the visual effects of the user interface, function buttons, usability, etc. are reasonable and convenient.  Functional testing, testing whether each function of the website can be implemented smoothly.  Code legality test: including program code legality check and display code legality check.  Ensure that the website can be displayed with the best effect on different devices.  Make sure the website is running and the links are smooth.  Get your website online at its best. |
| 10 | How did you apply legislative and organisational standards and procedures applicable to web applications | Regarding copyright issues, please do not use images that violate copyright management or reprint articles without permission.  Websites cannot publish illegal content or content that requires legal risks.  The website obtains user consent before collecting any personal data to protect user information.  Except for user registration information and browsing history, no other data is allowed to be illegally stored.  Code structure must be clear.  User's browsing query records can be saved in the server's database. |

#### Instruction for submission

* Zip the following to a folder titled ‘Task4StudentID’ and include:
  + your amended website
  + your feedback and reflection answers
* Upload the zipped folder into Melbourne Polytechnic LMS site (<https://online.melbournepolytechnic.edu.au>).

## Assessment Checklist: Task 4 - Feedback and Reflections

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| **Learner name** | |  | **Student ID** | |  | |
| **Assessor name** | | Mr. WU | **Date** | | 9/06/2024 | |
| Assessment checklist  assessor to complete the following | | | | | | |
| **The LEARNER:** | | | | **SATISFACTORY** | | **NOT SATISFACTORY** |
|  | Has made the required amendments to their website. | | |  | |  |
| 2 | Has provided satisfactory responses to the feedback and reflection questions. | | |  | |  |
| **Feedback -** Assessor must include feedback about the observed performance | | | | | | |
| *The student has made the amendments to their website and proper response to the question.* | | | | | | |

## Assessment Task Summary: Task 4 - Feedback and Reflections

| **Trainer/Assessor to complete the following:**  **THE LEARNER:** | | | Yes | No |
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| 1. | Satisfactorily completed all items in the Assessment Checklist | |  |  |
| **FEEDBACK** | | | | |
|  | | | | |
| **OVERALL TASK RESULT** | | | | |
| Satisfactory  Not Satisfactory (resubmission required) – Due date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | | |
| **DATE ASSESSMENT RETURNED** | |  | | |
| **TRAINER/ASSESSOR NAME** | |  | | |
| **TRAINER/ASSESSOR SIGNATURE** | | X | | |

| **LEARNER DECLARATION: Please read, tick and sign below** | | | |
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| I, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_have been advised of the outcome of this assessment task.  PRINT NAME | | | |
| **LEARNER Signature** | WangYiZhuo | **Date** |  |