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| **College:** | Sydney Tafe - Ultimo | | |
| **Qualification Number & Name:** | Diploma of Website Development | **TAFE**  **Course no:** | ICT50615 |
| **Unit of Competency Number & Name:** | ICTWEB501 Build a dynamic website  ICTWEB502 Create dynamic web pages  ICTWEB503 Create web based programs | | |
| **Assessment Task:** | Create dynamic website | **Assessment Due Date:** | 01/11/21 |

**Assessment Instructions:**

* Complete a website with specifications detailed in the following page
* Fill in this assessment cover sheet and submit with your completed assessment task
* Sign the declaration
* Submit the completed task within the outlined timeframe

Assessment Criteria:

* See list of items needed overleaf.

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| **STUDENT ORIGINALITY DECLARATION:** Please tick to indicate that you understand the following statements:  I declare that:  🞏 The attached assessment is **my own work,** except where I have cited the original source (check with your teacher as appropriate citation is different for different courses).  For the purposes of assessment, I give the assessor of this assessment permission to:  🞏 Reproduce my work and provide a copy to another member of staff, and  🞏 Validate the assessment for its authenticity which may include communicating a copy of my work to a checking service (which may keep a copy of my work on its database for future plagiarism checking). | | | |
| **Student Name:** | **Xianglan Qu** | | |
| **Student ID:** | **880767633** | | |
| **Student Signature:** | **Xianglan Qu** | **Date:** | 28/10/21 |

**Scripting 2 Practical Assessment**

You have been tasked with applying some additional dynamic functionality to an existing site - use any multipage website you have created in the past. Building on the site you used for your JavaScript assignment last semester or apply to any other site you have created in the past. These tasks must be completed in such a way as to ensure the content is still accessible and usable to all. In other words, it needs to degrade gracefully.

You will need to make sure your additional functionality is seamlessly incorporated into the existing site i.e. navigation to the new sections accessible and logical from the home page and all other relevant parts of the site. Styling of the additional content should also be consistent with the rest of the website.

Your site will be checked against Edge, Chrome, Firefox and mobile devices - so you do need to focus on cross-browser and cross-device issues. You are required to add the following additional functionality, using JavaScript, MySQL and PHP to your existing site:

* A functioning **multi-category** forum with database connection to store previous topics and posts. The categories must be selectable from a drop-down list. This then displays all the topics associated with this category. Make sure:
  + Only the topics associated with a specific category are shown when the category is selected.
  + Users need to be able to select the topic to view all posts associated with it.
  + They need to be able to add their own replies to the topics
  + Need to add topics of their own and ensure they are included in the relevant category.
  + Ensure all links within the application to test functionality are working i.e. a user can easily navigate between categories, topics and related posts.
* A functioning shopping cart that allows users to fill a shopping cart and stores the checkout details of the shopper in the database.
  + When someone checks out, it should reduce the inventory in the database.
  + If they decide to remove an item from their cart, it should replace the stock.
  + Optional: have the quantity of items in drop down list populated from the database.
* Include at least one AJAX feature.
* Ensure that OOP PHP is used somewhere in the site – you do not have to convert all your PHP to OOP.

Make sure the scripts used are properly commented and if you are adapting scripts from elsewhere, give appropriate credit.

You are to have it loaded – database setup and scripts correctly installed - and ready to demonstrate in class on the due date. You may demonstrate your completed project earlier.

After successful demonstration of the site, submit all the files including the database. Include documentation with brief but complete instructions on how to install the database and test the applications. Database should be exported to an .sql file.