**Web Application Development Project Submission 2022**

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Home page/index page/start page (eg., page user should open first): /index.php

**Project Requirements Implementation**

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| **ITEM 1** | **Reference** |
| *Allow the customer to enter their login details:* | The 'Log In' button is at the top left of the screen. |
| *Login details validated (via a login screen) before receiving a summary of the order:* | When items are added to the basket and the view basket icon on the top right of screen is clicked a menu appears with a button to Checkout - If you are not logged in a message appears. |
| *Username:* | any email e.g. user@user.com |
| *Password:* | any password |
| *Brief description of how this was implemented:* | Validation in the browser occurs to ensure that email box is a valid format. |

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| **ITEM 2** | **Reference** |
| *Perform form validation through JavaScript or HTML to ensure that text fields are not empty, and a valid email address is entered* | HTML is used to ensure that fields are filled and in the correct format. |
| *Brief description of how this was implemented:* | Fields have the required tag that must be completed and the username is an email address which must match the format of x@xyz.xyz |

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| **ITEM 3** | **Reference** |
| *Include a slideshow or carousel which displays a different image each time the page is loaded;* | A slideshow is implemented at the top of the page showing images of Jerry Cans. |
| *Brief description of how this was implemented:* | This was implemented using the carousel component of bootstrap with javascript to randomise the image that appears on page load. |

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| **ITEM 4** | **Reference** |
| *Use an object or an array in JavaScript;* | The items placed into the cart are stored in an array. |
| *Brief description of how this was implemented:* | The ID of the objects loaded from the database are added to an array using push to store the items in the shopping cart. |

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| **ITEM 5** | **Reference** |
| *Connect to a database that contains relevant site information (eg., product info) using PHP/XAMPP (your database name should be your GMIT ID);* | The products available for purchase are loaded from a database. |
| *Brief description of how this was implemented:* | The results of a select statement from the database are looped through and this loop generates a bootstrap card for each product item stating its name, description, price, capacity and loads a url for a thumbnail image. |

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| **ITEM 6** | **Reference** |
| *Allow the user to ‘purchase’ items from the site;* | There is a shopping basket icon on the top right of the page. |
| *Brief description of how this was implemented:* | The user can view the shopping basket where items can be removed or quantities altered and then go to the checkout where the items can be then purchased - this pops up an alert and clears the basket. |

Additional information: