**Chengdu University of Technology Oxford Brookes College**

**Project Module (CHC 6096)**

**Weekly Report Sheet - 2023/2024 Academic Year**

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| WEEK NUMBER | 8 |
| DATE: | 2023/11/24 |
| **Action plan for the current week:**   1. Implement the function of register:  * Design the page of register for customer and merchant * Sets the information required for user registration. * Implement the page of registration, and configure the route of the registration page. * Allow the user to click the registration link at the login page and jump to the registration page.     2. Sends the user registration information to the backend:   * Connect the database to the server. * Use javascript to determine if user input is valid. * Use javascript to pass the information entered by the user to the backend. * The implementation puts the user's registration information into the database storage. * Returns the response to the frontend. | |
| **Challenges and issues encountered in the week:**  1. Input validation:  Validating user inputs on the frontend using JavaScript is important to ensure that only valid data is sent to the backend. But when you do input validation, you need to specify what data should not be null and what data should not support special characters. And the data needs to be validated again before the backend server saves it to the database.  2. Error Handling and Exception:  Handling errors and exceptions during the process of sending registration information to the backend is important for providing a smooth user experience. Proper error messages, logging, and exception handling should be implemented to handle unexpected scenarios and provide meaningful feedback to the users. | |
| **Action plan for the next week:**   1. Implement the login function and jump to the main page.  * The user can jump to the login page after successful registration. * Use javascript to preliminarily judge the validity of user login information. * Check that the username has a password in the database.  1. User password encryption:  * The password of user registration and login is encrypted to ensure its security. | |
| **Supervisor Feedback:** | |