**Chengdu University of Technology Oxford Brookes College**

**Project Module (CHC 6096)**

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

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| WEEK NUMBER | 6 |
| DATE: | 2023/11/9 |
| **Action plan for the current week:**   1. Requirement analysis and system design:  * Collect and analyze functions in competing software (example: Ele. me, Meituan). * Identify the core functionality of competing software. * Divide functions by modules, and then plot all functions as a mind map. * Differentiate features by user type and importance in a mind map.   2. Database design:   * Analysis of data requirements: Based on the previous analysis of user requirements, to determine the type of data, structure, and relationships that the system needs to store. * Design logical model: Based on data requirement analysis, the logical model of the database is designed. * A preliminary database sql file is implemented using Mysql.   3. Development environment configuration:   * Download and install the web framework Django. * Configure your development environment: Configure Django and mysql, and try to connect django to mysql. | |
| **Challenges and issues encountered in the week:**  1. In the process of requirement analysis, competitive software has many functions, and it takes a long time to conduct thorough functional analysis  2. When thinking about how to design a system, I need to avoid having too many features and too many complex features that I can't implement all of them. | |
| **Action plan for the next week:**   1. Prioritize all the functions:  * Develop an evaluation criterion for prioritization based on technical and time factors. * Prioritize all features.  1. Learn more about how collaborative filtering works:  * Read the relevant academic literature. * Search and read online articles. * Explore open source projects and code examples. | |
| **Supervisor Feedback:** | |