

Chengdu University of Technology Oxford Brookes College

Project Module (CHC 6096)

Weekly Report Sheet - 2023/2024 Academic Year

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| STUDENT NAME: | LI |
| STUDENT NUMBER: | WENBO (Bob) |
| SUPERVISOR NAME: | James Blouin |
| WEEK NUMBER | 1 |
| DATE: | 2023.10.27 |
| Action plan for the current week: <ol style="list-style-type: none">1. Firstly, it is necessary to complete the design of the project framework, by studying existing HMS, to understand and learn their advantages, analyze how they are implemented and run, create a plan table and a comparison table to collect useful relevant information.2. Use some HMS physical models to simulate potential issues, solve security issues in the management system, implement the code and data environment required for the initial registration, interface design, login, and exit functions, understand the requirements that the system needs to meet from the mentor, provide a basic framework, including ideal functional design, initial interface, and future improvements, whether it meets the requirements, and whether it can be successfully tested | |
| Challenges and issues encountered in the week: <ol style="list-style-type: none">1. The current difficulty faced by the project is related to the interface design of the hospital management system. How to design a system that is easy to operate after seeing, so that patients can find the information they want in the shortest possible time? This requires a complete and logical interface design, which is currently one of the difficulties this week2. The hospital management system needs to conduct data related statistics on patients who need to see a doctor. How to use efficient algorithms or models to collect basic information of patients, as well as how to classify and process these patients' basic information, is a challenge. This requires designing a reasonable algorithm or logical model, so that we can more efficiently complete patient screening when conducting data statistics on them | |
| Action plan for the next week: <ol style="list-style-type: none">1. Research existing HMS and scheduling systems At least 3 of one<ol style="list-style-type: none">a. Check how they work, what their processes are, and what technologies they usec. Compare them and analyze their respective characteristics (what is good or bad, and whether their characteristics are unique or common)2. Write a list of features you would like to include in your project<ol style="list-style-type: none">a. Register, log in, check doctor information, select available time periods, create a new doctor, create a doctor's schedule, approve appointments, delete3. Write a draft project proposal<ol style="list-style-type: none">a. Pack as much as you can4. Create a to-do list<ol style="list-style-type: none">a. Create a list of all tasksb. Classify tasksc. Set version plan for each task <p>Provide time estimates for tasks in version 1</p> | |

Supervisor Feedback:

Solve the problem of algorithms through academic articles, and test the interface design by viewing and learning the source code of different hospital management systems. The issue of data is crucial. In addition to ensuring the efficiency of data collection, greater consideration should be given to data security, exploring the problem itself, and building a framework using development tools such as JavaScript, CSS, and Flask