

Chengdu University of Technology Oxford Brookes College

Project Module (CHC 6096)

Weekly Report Sheet - 2023/2024 Academic Year

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WEEK NUMBER	2
DATE:	2023.11.10
Action plan for the current week: 1. 1. It is necessary to complete the design of the project framework by studying existing HMS, collecting information about the characteristics of hospital management systems, understanding and learning their advantages, analyzing how they are implemented and operated, creating plan tables and comparison tables to collect useful relevant information, completing a backlog and corresponding plan implementation 2. Solve security issues in the management system, implement the code and data environment required for 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. So far, there is a basic understanding of its data model, Resolve unnecessary troubles in advance through different testing methods	
Challenges and issues encountered in the week: 1. This week's adjustments mainly focus on the efficient issues of information registration and message collection, how to use qualified algorithms to complete and save doctors and patients' time, and how to ensure the security of users' basic information through system accessibility and different registration methods. In addition to using real names and other issues 2. Designing an efficient, secure, and accurate search engine is the second challenge encountered this week. How to design and the purpose of the design, whether it is doctors, patients, or managers, all need to use a good search engine to obtain the data they want. For the engine, we usually use JavaScript or other library functions to complete it	
Action plan for the next week: 1. one a. Research existing HMS, review their source code, learn and learn how to complete this task b. Check how they work, what their processes are, and what technologies they use c. Compare them and analyze their respective characteristics (what is good or bad, and where their characteristics are unique or common) 2. Write a list of features you would like to include in your project a. Register, log in, check doctor information, select available time periods, create a new doctor, create a doctor's schedule, approve appointments, delete 3. Complete the Backlog and send it to the supervisor	

- a. Pack as much as you can
- 4. Create a to do list
- a. Create a list of all tasks
- b. Classify tasks
- c. Set version plan for each task.

Supervisor Feedback:

Test the interface design by viewing and learning the source code of different hospital management systems. Data issues are crucial. In addition to ensuring the efficiency of data collection, more consideration should also be given to data security, exploring the problem itself, clarifying the characteristics of one's final system, learning from it through a backlog, planning the progress of the plan, and summarizing weekly tasks and challenges