Hospital Management System
My Final Year Project

Web Application and Mobile Application

Technologies used(My Final Year Project)

- ✓ XAMPP Control Panel
- ✓ Boot Strap
- ✓ Visual Studio Code
- ✓ HTML
- ✓ PHP
- ✓ Flutter(Dart Language) within the emulator
- ✓ Git Bash

Objectives of My Final Year Project

• To analyze the existing channeling systems and understand their Procedures.

• To analyze similar systems that have been offered from the private sector.

• To analyze any potential development technologies and tools as well as deployment methods.

• To develop the entire system and meeting the identified requirements and maintaining the required quality throughout the entirety of the project.

• To provide a proper and complete user guide that could easily be understood by anyone.

• To scheduling the appointments.

• Workflow varies from one service provider to the next.

• Software Medical Device Directive. For small and medium-sized hospitals with internet infrastructure, the design is usable and repeatable.

Requirements(My Final Year Project)

Functional Requirements

The system is consisting of a web application and a mobile application. The web application can be used by multiple users including the hospital authorities and patients whereas the mobile application will only be used by the patients.

The patients will be able to, (from the mobile and web applications)

❖Login, Logout and Signup with the system

❖Make a doctor's appointment

❖Make a lab test appointment

❖Make payments for doctor's appointments and lab test appointments

Requirements(My Final Year Project)

Functional Requirements

❖ View ongoing doctor's and lab test appointments

❖ Cancel or Update ongoing appointments

❖ View completed lab reports

❖ Mark the medicines as received once the patient has received the medicine

The admin will be able to,

❖ Create new user accounts for Doctors, Nurses and Staff Members

Requirements(My Final Year Project)

Functional Requirements

❖ View created account details The doctors will be able to,

❖ View and Approve or Reject pending appointments

❖ Mark ongoing appointments as done and upload the prescriptions

❖ View the completed and rejected appointments the nurses will be able to,

❖ View the pending prescription

❖ View and delete the completed order the staff members will be able to,

❖ View and Accept the pending lab test appointments

Requirements(My Final Year Project)

Non-Functional requirements

Non-functional requirements are very important features in any system. These ensure that the system is up to the proper standards and quality. Therefore, these requirements are as important as functional requirements.

❑Scalability – Both applications should be able to handle a huge number of

users as this will be used by many patients.

❑Reliability – The entire system has to be reliable with very minimal downtime. The system has to provide 24x7 service and this is very important since this is regarding the health sector.

Conclusion(my final year project)

The project started with the purpose of creating an effective and user-friendly system for the Sri Lankan health sector that would allow patients to book doctor's appointments online during these difficult times. And this was accomplished successfully, with the system meeting all of the defined requirements. At the conclusion of the project, all of the deliverables mentioned at the start were completed and met the needed requirements.

Future Implementation(my final year project)

One of the most noticeable features that consumers may find beneficial is a page that allows them to examine their account's payment history. This will assist them in keeping track of all payments made to the hospital for numerous checkups and lab testing. Another useful feature would be the ability to alter the user's information, such as name, username, and password. This functionality was ignored because it was not the system's primary concern.

Thank You

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