Introduction to Mobile Application Development

HOSPITAL MANAGEMENT SYSTEM

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PROBLEM STATEMENT:

A hospital is an essential institution in our lives. It provides medical facilities for people with ailments and illnesses. Hospitals need to be able to track their daily events so as to provide a systematic and connected system where all details can be accessed by the required departments. The entire system needs to be effectively computerized and made easy to use so that required information is available to the necessary entities.

SCOPE:

With this portable system we will be able to provide an economic and reliable automated version of the existing system. The main objectives of the system include to maintain a systematic log of day-to-day operations such as registration/discharge, list of doctors, etc.

- register new patients and to maintain all their details such as name, DOB, blood group, phone number, age,etc.
- make appointments with a particular doctor from a given department at a particular time slot
- doctors can record their diagnosis of the patient, and the tests that need to be taken
- the admin can assign a hospital staff to a doctor
- will also include payment details about each patient and whether any payment is due
- information about the patients will be kept up to date in the system for future visits
- patients can access details about their appointment and view history
- the app makes it easily accessible to everyone and also it is easy to use with a simple UI

The objective of is to make an economic and reliable system which will be easy to use and maintain a systematic log of day-to-day activities. With this it is possible to make sure patients are treated accurately and all details regarding the patient are accessible by the required personnel.

SERVING DOMAIN:

1. For the users of the hospital management system such as receptionists, technicians, and also doctors and pharmacists who will contribute to the database.
2. For end users who are patients to view their reports and give feedback.
3. For programmers who are interested to develop this project further and fix bugs.
4. For doctors of the hospital who want to record the diagnosis and prescription of the patients.
5. For the staff of the hospital who can update bill and inpatient details.