**PROJECT PROPOSAL**

**Hospital Management System**

**Group Members:**

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**Description:**

Hospitals are very important as they provide medical treatment to the patients with a range of diseases. Thus, it is essential that the data related to hospitals shall be stored. HMS will have a user interface that will make the communication easy between user and the system. The record of medicines given to the patients will be stored and updated if the medicine is running out in the hospital. The data of the patients will be maintained. The main objective is to provide a quick access to the information. The GUI will be made in a way that anyone could understand what is going on.

The external users of this system are the doctors, patients, the admin, pharmacists and receptionists. The admin has a control over the system and can monitor all the activities going on in the hospital. The doctor can make and cancel appointments, can view the medication history of the patient and can also provide prescriptions’ to the patients. The patient can make appointments with the available doctors. The patient can also view his/her prescription details. The pharmacist will manage all the medicines in the hospital and can notify whether the medicines are available or out of stock.

**Technologies:**

The external hardware used for accessing the HMS will be any device of the patients, doctors, etc. having a wireless LAN connection with web browsers supporting HTML 5. An application will also be available for the android users. The Operating Systems can be any version of Windows, Linux, Unix or Mac which supports TCP/IP protocols, web accessing and writing. For the android application users, the minimum API level is 15.

**Languages:** Java, XML, HTML 5, CSS 3

**IDEs:** Android Studio, Sublime Text

**Database:** Firebase Database