**CS 157A Project Proposal**

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Hospital Management System

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## **1. Project Overview**

For this database application project we will be developing a hospital management system with both user and administrative functions. Users (patients) will be able to register as a new user and fill in a medical profile or continue as a registered user and have access to their medical profile and appointments. Users will also be able to schedule and update appointments. Administrators (doctors and nurses) will have read and write access patient medical records and be able to view and update all upcoming appointments.

## **2. System Environment**

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## **3. Functional Requirements**

1. User Functional Requirements
   1. Create Account
      1. Application should allow first time users to register an account and fill out their personal information and medical profile
   2. Log In/Log out
      1. Application should allow existing users to log in after providing valid credentials
   3. Access personal information and medical profile
      1. Users should be able to have read write access to their personal information and medical profile
   4. Schedule appointments
      1. Users should be able to schedule appointments with a doctor based on availability
   5. View/Update appointments
      1. Users should be able to view their upcoming appointments and make changes as necessary
2. Administrative Functional Requirements
   1. Log in/Log out
      1. System administrators should be able to log in to the system after providing valid credentials
   2. Access patient medical profiles
      1. Administrators should have read and write access to all patient medical profiles
   3. View/Update appointments
      1. Administrators should be able to view all upcoming appointments and make changes

## **4. Non-Functional Issues**