

DAMG 6210 Data Management and Database Design

Team Number – 7

Project Topic – Hospital Management

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Problem Statement

The Hospital Management System is an integrated system consisting of various entities. Handling all these parameters would be challenging. So, to overcome this situation for managing the Hospital, we are building a centralized database for Hospitals, which will maintain all the details required to manage the hospital and make the system more efficient. Also, with the help of this project, we will showcase and present the reports for common trends for the breakouts through visualization techniques. This will help understand the analytics based on the data or the information gathered from different hospitals.

Objectives

- Administration/On-Boarding –
 - The Hospital Admin will have administrative privileges to this application.
 - Onboarding of different personas such as Patients, Doctors, and Nurses can be added to the system by the Admin.
- Appointment scheduling –
 - This module will help to organize the availability of medical specialists at any convenient time.
 - Both in-patient and out-patient appointments can be scheduled.
- Accommodation/Room details –
 - This module will focus on assigning and maintaining the room availability, OR availability, and occupancy status for patients.
- Billings/Payments –
 - This module will be responsible for handling all the financial details of both patients and the Hospital. It stores and presents all the patient payment details and hospital financial records on expenses
- Data Records –
 - Reports such as Patient's health records, Laboratory records need to keep track in the system
- Reporting --
 - Helpful insights can be generated from the patient's data.
 - Data can be processed, and visualizations help management for a better view of the organization.
 - This module will be handled by the admin of the hospital.

Please find below the GitHub Link.

Git hub Link - https://github.com/KashyapKompella/DAMG6210_Team07_HospitalManagement