

## **Team 2**

### **Assignment 1**

Sumit Patil - 002985101  
Shashank Siripragada - 002193773  
Ghanashyam Laxman Vibhandik-002984660  
Mayannk Kumar - 001537115  
Akanksha Telagam Setty - 002131614

#### **Database Topic:**

Healthcare Management System

#### **Mission Statement:**

The purpose of the project is to provide a patient-centered healthcare system to the hospitals that facilitates monitoring and improvement of their services. We achieve that by maintaining the medical history of patients, analyzing their symptoms, diagnosis, medications and providing a seamless billing experience.

#### **Mission Objectives:**

- To maintain (enter, update, and delete) data on Patients.
  - To maintain (enter, update, and delete) data on Patient Demographics.
  - To maintain (enter, update, and delete) data on Patient Encounters.
  - To maintain (enter, update, and delete) data on Patient Medical History.
  - To maintain (enter, update, and delete) data on Patient Medication.
  - To maintain (enter, update, and delete) data on Hospital Medication Inventory.
  - To maintain (enter, update, and delete) data on Patient Vital Signs.
  - To maintain (enter, update, and delete) data on Vital Signs Lookup.
  - To maintain (enter, update, and delete) data on Patient Symptoms.
  - To maintain (enter, update, and delete) data on Patient Diagnosis.
  - To maintain (enter, update, and delete) data on Diagnosis Lookup.
  - To maintain (enter, update, and delete) data on Patient Lab Results.
  - To maintain (enter, update, and delete) data on Doctor Table.
  - To maintain (enter, update, and delete) data on Insurance Provider List.
  - To maintain (enter, update, and delete) data on Vaccination.
  - To maintain (enter, update, and delete) data on Patient Billing.
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- To perform searches on patients
  - To perform searches on patients' demographics.
  - To perform searches on patient encounters.
  - To perform searches on patient medical history.
  - To perform searches on patient medication.
  - To perform searches on hospital medication inventory
  - To perform searches on patient vital signs.

- To perform searches on vital signs lookup.
- To perform searches on patient symptoms
- To perform searches on patient's diagnosis
- To perform searches on diagnosis lookup
- To perform searches on patient's lab results
- To perform searches on doctor table
- To perform searches on insurance provider list
- To perform searches on vaccination
- To perform searches on patient billing

- To track the status of patient's health
- To track the status of patient's risk
- To track the status of patient's bill
- To track the status of hospital inventory

- To report on patients
- To report on patients' demographics
- To report on patient encounters
- To report on patient medical history
- To report on patient medication
- To report on hospital medication inventory
- To report on patient vital signs
- To report on patient symptoms
- To report on patient's diagnosis
- To report on patient's lab results
- To report on doctors
- To report on insurance providers
- To report on vaccination
- To report on patient billing