**P2-PROJECT REPORT**

**HEALTHCARE MANAGEMENT SYSTEM**

In this project we intend to facilitate efficient accessibility of patient medical records and make it a hassle-free process for the doctor and associates.

This database incorporates the following entities which are used to build an efficient tracking system: -

* Patient
* Doctor
* Medical record
* Hospital
* Bills information
* Medical Prescription
* Appointments
* Pathology Lab
* Online health care admin
* Medicine inventory
* Laboratory

**INSURANCE** plays an important role connecting various attributes like patient’s ID, patient’s medical record, patient’s SSN and process the amount that can be granted to a patient based on the above records. An insurance number is generated each time when a patient is granted insurance.

**ONLINEHEALTHCAREADMIN** will contain the data that can be used to login to the admin dashboard from where the user will be able to access all the patient data and the related details.

**PATIENT** entity will contain all patient details for each patient and plays a vital role in this database. Other entities such as insurance, doctor use this entity to make key decisions.

**PATIENTMEDICALRECORD** entity contains the medical history of patients regarding the detailed diagnosis done for each patient.

**APPOINTMENT** entity encapsulates details about patient’s visit with the doctors over time.

**MEDICALPRESCRIPTION** contains the medication prescribed by the doctor to the patient, after each visit.

**PAYMENT INFORMATION** contains the bill number, payment status, cost of treatment, insurance details and other related information where money is involved

**HOSPITAL** entity is used to maintain records of all the hospitals visited by the patient in the past and their previous medical records. Also explains the doctors consulted by the patient.

**DOCTOR** entity contains key attributes about the doctor and is used to provide prescription, track records, make diagnosis, give reports and asses the medical condition of the patients

**LABORATORY** contains the data of all the medical reports that have been prescribed by doctors. **PATHALOGY** is a **weak entity** with **Laboratory** being the **strong one.**

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