

DBMS Project Overview

Healthcare Management System

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Healthcare management system aims at managing the patients, doctors and various treatments that are offered in the organization. This helps the organization (say, a hospital) to freely manage the details of various treatments, billing of the treatments for different patients. This also helps in tracking the bills of the medicines that are prescribed after the treatment is done to the patient.

This is a software, in which the hospital staff will admit patients, record their symptoms, and then the required treatment. Then the doctors who are specialized in that field will be assigned to the patients based on their availability.

We can also create a portal for the patients so that they will be also be able to see the details and bills of their treatments. The same will be provided for the doctors also in which they can also see the list of treatments in which they were involved in the past.

Entities and relationships that can be built out (can be changed, just though on based of the overview):

Patients, Doctors, Treatments, Departments, Medicines, Diseases, etc.

Patients – Diseases relation, Doctors – Specialisations relation, Treatments – Medicines relation etc.

Some of the functionalities that are implemented:

1. Managing the doctors' details like their basic information, specializations, departments and keeping track of their cases.
2. Managing the victims' details, their basic information, symptoms, diseases, and the date of joining to the organization. The victims' discharged details are also managed.
3. Manage the details of the treatments made to the patient in this session, the doctors who were involved in the treatments etc.
4. Manage various treatments and their billing to a given patient.
5. We also added the pharmacy department to this organization to keep a track of medicines for various treatments.
6. We also added a feature to calculate the bill of the patients based on their treatment.