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# PROJECT NAME: HOSPITAL MANAGEMENT SYSTEM

**PLANNING**

**Hospital Management System** is a computer system that helps to manage the information related to health care and aids in the job completion of health care providers effectively.

They manage the data related to all departments of health care such as patients, materials etc.

Hospital Management System (**HMS**) was introduced to solve the complications coming from managing all the paperwork of every patient associated with the various departments of hospitalization with confidentiality.

Hospital Management System (**HMS**) aims to simplify the work flow for clinicians, reduce administrative costs, diminish errors, and provide a better patient experience. However, it encompasses a wide variety of functions as the system manages every department.

**DESIGN**

This project “**Hospital Management System**” includes login page, doctors, users of the system, patient details &information, room, appointments and billing payment process.

In this system we will applicator all actions used day to day in the hospital such as

* **Login in the system**
* **Add patient**
* **Generate bills**
* **Add room**
* **Add doctor**
* **Add user**

In all according to how this system is designed, its functional will work together with other functional as you see on implemented system.

**DEVELOPMENT**

This Hospital Management System has been developed to form all management system including users, doctors (consultant), nurses, patients, bills and complaints.

This project has graphical user interface (**GUI**) based software that will help in storing, updating and retrieving the information through various user friendly menu- driven modules.

That software is **Net bean**, in this software we designed user interfaces in order to have front- end part and java programming for back- end site.

Other software used is **Xampp, MYSQL Connector** those helped to connect our system with its Databases.

**TESTING**

After development we stress our system to ensure if it requires maintenance or is ready to be deployed.

Verify that the details of existing users can be updated in the system.

* Verify that the admin has a record of rooms and beds availability and the same gets updated based on their allotment and departure to patients.
* Verify that after filling the patient details
* Verify that after patient checkup based on the requirement the details are updated in the patient details database.
* Verify that the portal for new patient registration has all the mandatory fields required for registering a patient.
* Verify that the doctor’s record can be deleted from the system.
* Verify the billing admin of the system calculates the bill based on the patient’s unique application number from the data generated from different systems.
* Verify that authorized users can also see total day-wise billing done.
* Verify the admin for hospital inventory, room and bed management.
* Verify that the admin has the record of all the equipment, machines and medicines and the same gets updated when used or added to the system.
* Verify that for existing patients based on the application number of the patient; their records are added/ updated in the database.
* Verify that the system has an admin for doctors as well.
* Verify that for each doctor’s details like their timings, specialty, fee, patient visited etc is visible to the authorized users.
* Verify that new details of new doctors can be added to the system.

**DEPLOYMENT**

In thissection, system will be installed after implement or complete its setup and for deployment, performance and monitoring. We will test it more times and daily evaluation that will help to know its performance (work) and our system is ready to be used or launched.

For run this system, First of all, start your xampp. Then go to localhost/phpmyadmin and create a database and name it as the SQL file given in your project folder. Then import the SQL file to the created database. After this open your Net Beans and then run the project. ***PLEASE READ THE LOGIN.TXT FILE FOR THE LOGIN CREDENTIALS***