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**BIT LEVEL 2**

**CLASS NO:69**

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PROJECT NAME: HOSPITAL MANAGEMENT SYSTEM

A hospital management system is software designed to manage and control all the areas of hospital such as medical, financial and administrative. The system manages every department or branch of the hospital.

In particular hospital management system will helps to automate routine tasks, optimize staff coordination, improve communication, distribute the work, store different information and provide financial and human resource management.

**The main objectives of hospital management system**

* It is design a system for better patient care and to reduce hospital operating cost.
* To improve health and strive for the highest possible health status of the entire population.
* To provide a paperless hospital.

**The main goals of hospital management system**

* It’s designed to simplify every work that we do everyday in the hospital to improve patient experience or care such as billing payments process ; patient’s appointments through tracking ; management of patient’s records, contact information and insurance details.
* To make a decent management tool.

**Problems need to be solved by our system;**

* Inefficiencies and errors in data sharing.
* Reduce manual system.
* Educating user and staff.
* Managing the massive volumes of patient related data.

1. DESIGN

This includes login, doctors, user, patients and room, appointments and billing information.

In this system, you can perform the actions that you usually see in the hospital you can do the following features:

* Login
* Add Patient
* Add Doctor
* Add Room
* Add User
* Generate Bills

1. DEVELOPMENT

This software will satisfy the needs of patient, improve care delivery and combine the work of all doctors. It will keep data private, secure and safe from damages.

This management system has been developed to form whole management system including Users, Doctors (consultants), Nurses, Patients, Bills, and Complains etc.

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

1. TESTING

* Verify that the portal for new patient registration has all the mandatory fields required for registering a patient.
* 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 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.
* Verify that the details of existing users can be updated in the system.
* 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 the admin has a record of rooms and beds availability and the same gets updated based on their allotment and departure to patients

1. DEPLOYMENT

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 NetBeans and then run the project. Please read thelogin.txt file for the login credentials.