**COLLEGE OF BUSINESS AND ECONOMICS**

**SCHOOL OF BUSINESS**

**PROGRAM: BIT LEVEL 2 (HUYE CAMPUS)**

**MODULE: ADVANCED JAVA PROGRAMING**

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**CLASS NO:**

**PROJECT NAME: Clinic Management system**

# **PLANNING**

Clinic Management System is a system enabling hospitals to manage information and data related to all aspects of healthcare. Processes, providers, patients, and more, which in turn ensures that processes are completed swiftly and effectively

Also CMS is a process of implementing all the activities of the hospital in a computerized automated way to fasten the performance

# **DESIGN**

In my system I have three users, system admin, doctor, and receptionist. Where system admin is the one who create all other users and he/she also can modify the information for all users and he/she is able to add patient into system

A doctor is able to login into system and view his/her appointments with the patients.

The receptionist is able to add new patient into system and also to modify her/his information and he/she also able to make appointment btn doctor and patient

# **DEVELOPMENT**

* I developed my project backend and frontend parts by using **java programming language** in integrated development environment (IDE) called net **beans IDE.**
* For backend part I used MYSQL as Database management system to store data of system.
* For frontend parts, I used swing control generation from net beans to create tables, labels, and buttons for designing user interface.
* By using java programming language syntaxes I create interaction between user interface components such as buttons, forms.
* we used com.mysql.jdbs\_5.1.5.jar as a library for handling MYSQL connection with the system

# **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 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 the same gets updated based on their allotment and departure to patients

# **DEPLOYMENT**

First of all,

* start your xampp.
* Then go to localhost/phpmyadmin
* 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.