American International University- Bangladesh

CSC 2212: ADVANCE DATABASE MANAGEMENT SYSTEMS

Midterm Project Report
Fall 20-21

Project Title: The Healing Infirmary
Section: B
Group: Squad

Student Name	Student Id
Sultana, Sharmin	18-37151-1
Aklima Binte Alam	18-38638-2
Ekhtear Ahmed Fahim	15-30492-3

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System summary:

There is a growing recognition that achieving good health in a community requires much more than effective medical services.

In this large population, people are not getting proper treatment. They are not getting emergency service and also not getting enough medicines.

In our project, we are giving the best service to our patients. The users can easily register their accounts. After registration, they can log in to their accounts.

Users can find the best doctors from our website. Different types of doctors are available on our website. Users can get the necessary information about the test, Availability of a doctor, cost of consultation, cost of hospitalization. Users will be able to give the appointment as they need. Users can not need to go outside to buy medicines.

We are also offering a pharmacy facility in our project. Any kind of medicines, users can buy. We can also give emergency services. They can contact us if they have any issues.

We are always ready to help them. People can easily choose hospital according to their feasible and needs. From this system people can get the necessary information about any hospital location, departments of a hospital, tests, availability of a doctor, cost of consultation, cost of hospitalization, cost incurred with respect to test and other investigations and Of course contact information.

An ERD diagram:

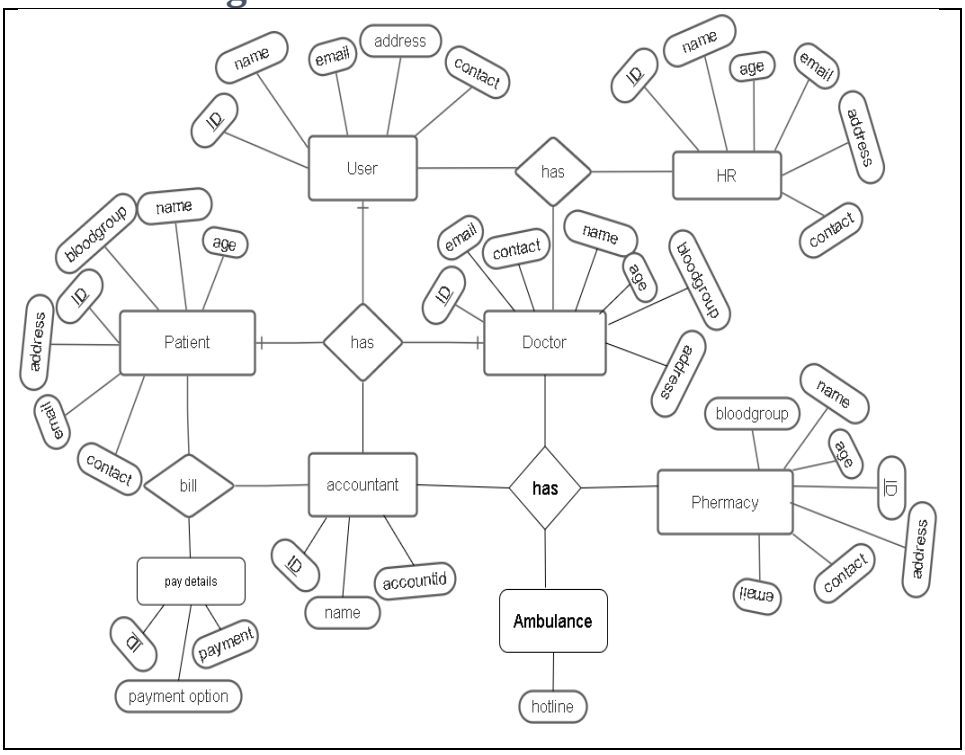

Figure: ERD Diagram

Class diagrams of the system:

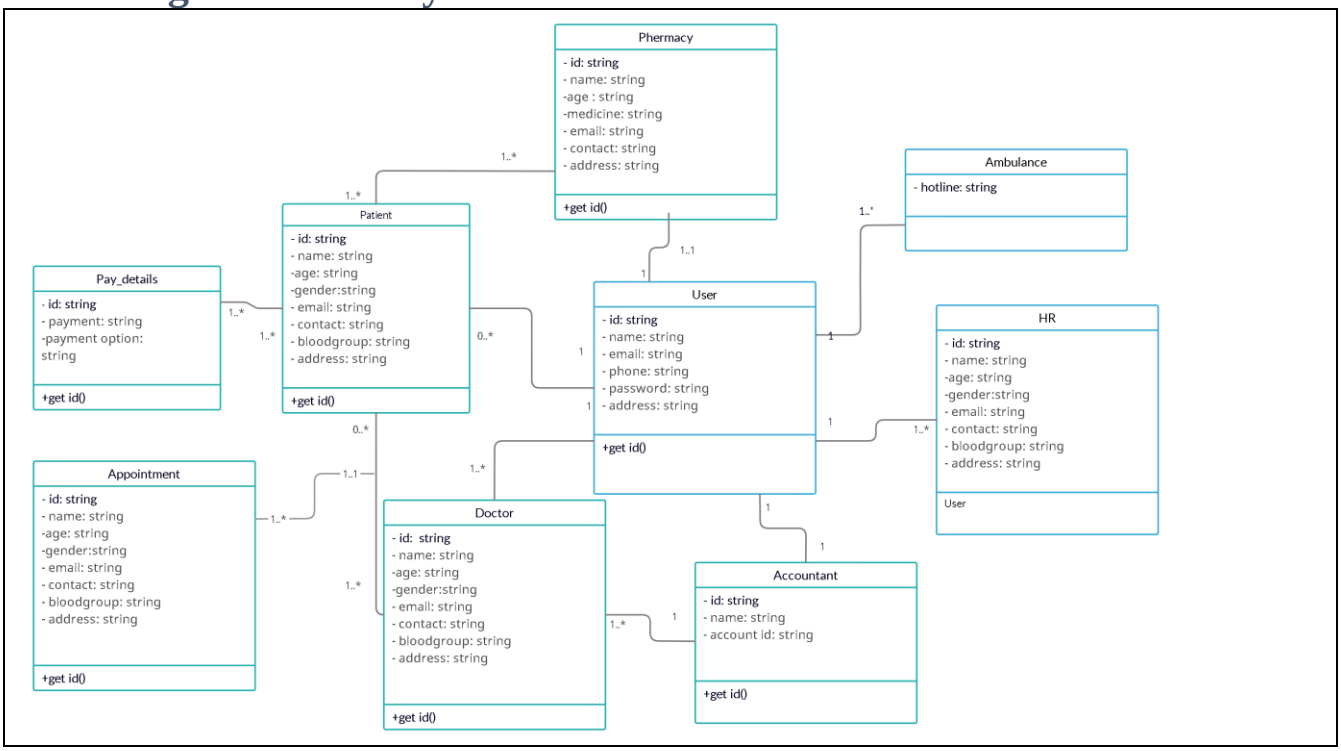

Figure: Class Diagram

Use case and activity diagrams of the system:

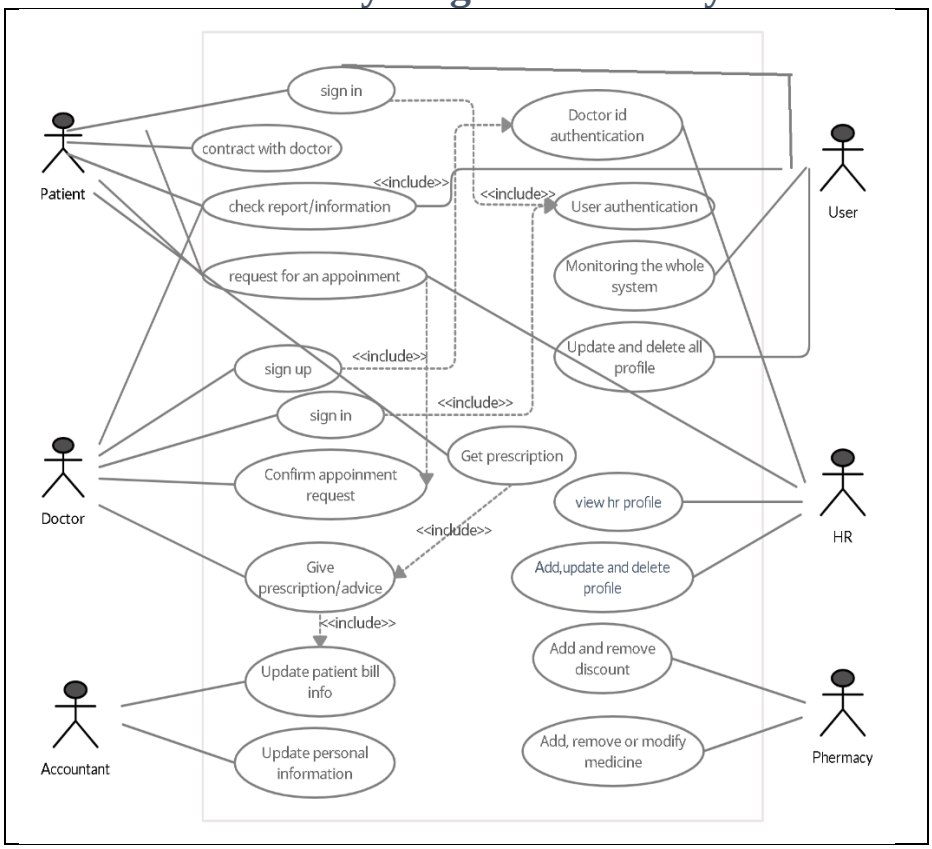

Figure: UseCase Diagram

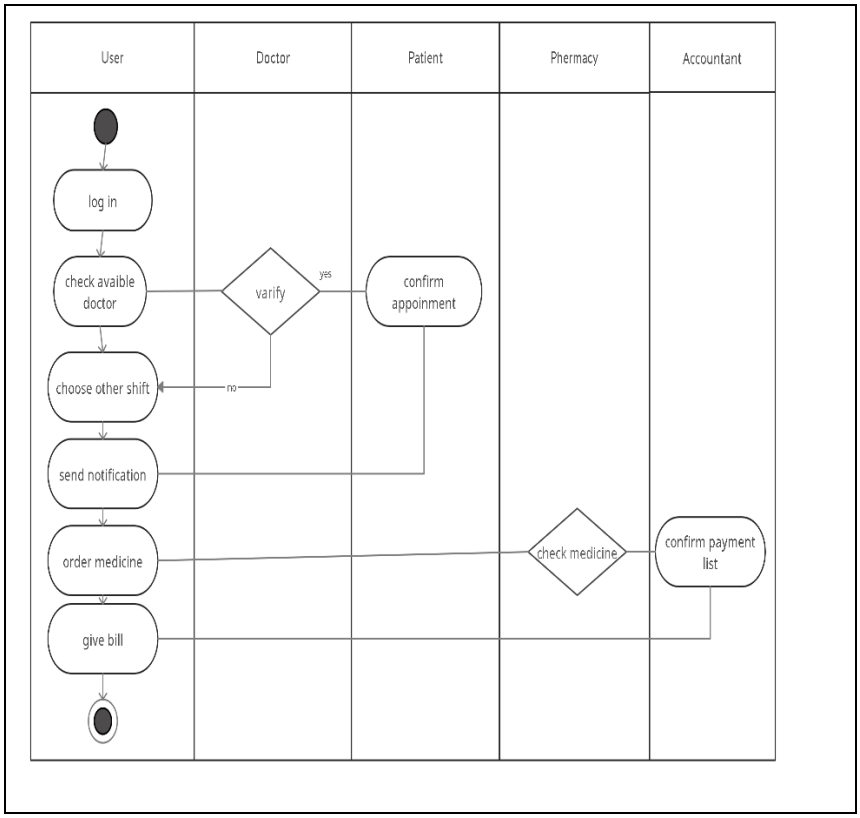

Figure: Activity Diagram

A database schema diagram:

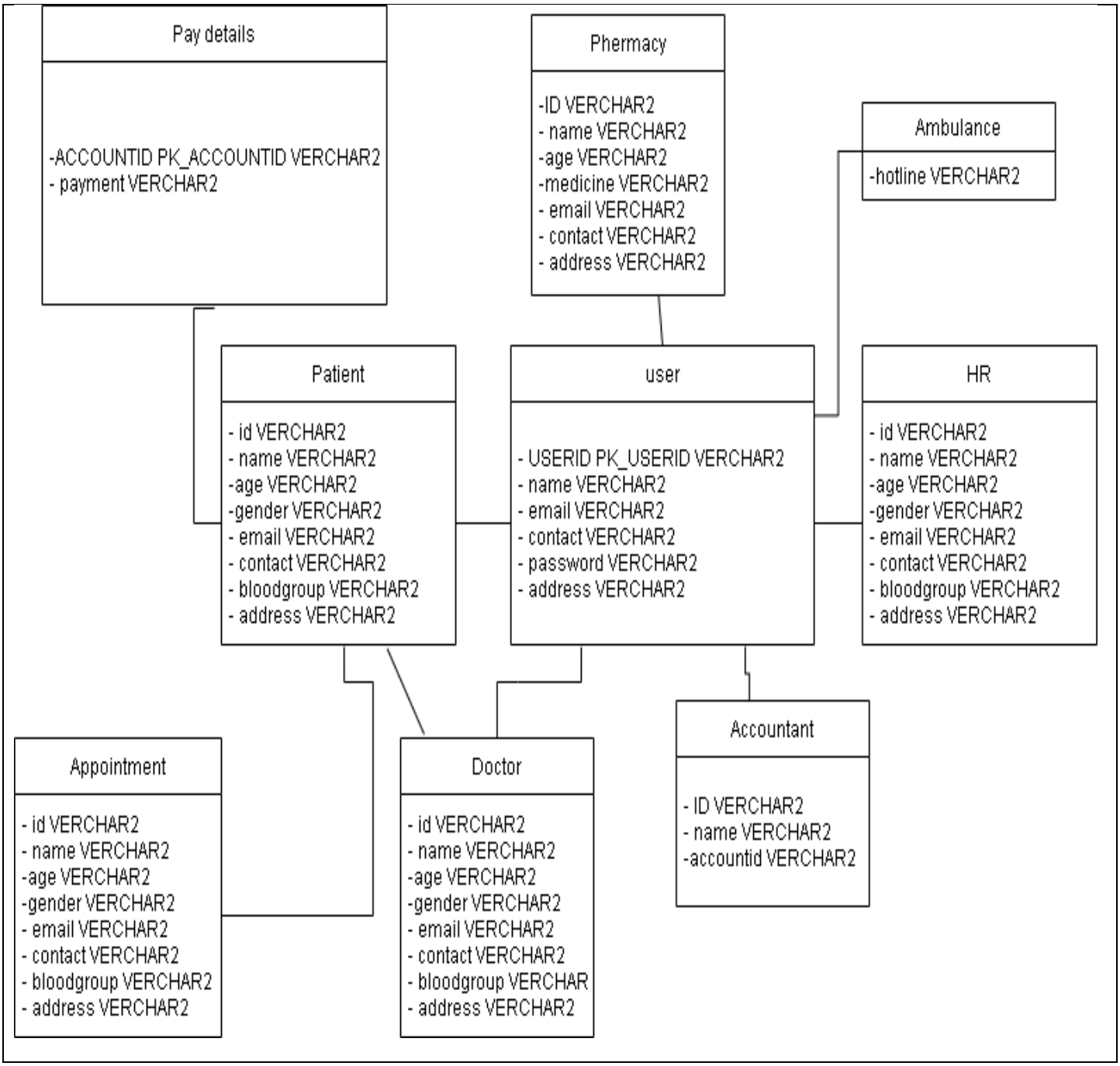

Figure: Schema Diagram

Create all the tables and make sure you used sequence to handle primary key values at least for two tables:

We have created Login_tbl/Admin/User, Doctor_details/Doctor, Patient_details/Patient,HR_details/HR, Accountant_details/Accountant, Pay_details, Appointment, Pharmacy, Ambulance, Contact table to our database....We have implemented

the primary key for User Table and Pay_Details table to our database...All the operations for creating are listed below one after another -

```
CREATE TABLE LOGIN_TBL (UserId VARCHAR2 (60) CONSTRAINT PK_UserId
PRIMARY KEY, USERNAME VARCHAR2 (50), PASS VARCHAR2 (60));

CREATE TABLE DOCTOR_DETAILS(ID VARCHAR2(60),NAME
VARCHAR2(200),CATEGORY VARCHAR2(50),DAY VARCHAR2(20),TIME
VARCHAR2(60));

CREATE TABLE Patient_Details(ID VARCHAR2(100),NAME
VARCHAR2(50),GENDER VARCHAR2(8),BLOODGROUP VARCHAR2(4),CONTACT
VARCHAR2(11),MAIL VARCHAR2(50),AGE VARCHAR2(100),BIRTH
VARCHAR2(10),ADDRESS VARCHAR2(60));

CREATE TABLE HR_DETAILS(ID VARCHAR2(100),NAME VARCHAR2(50),EMAIL
VARCHAR2(50),CONTACT VARCHAR2(11),DEPARTMENT VARCHAR2(10));

CREATE TABLE ACCOUNTANT_DETAILS (ID VARCHAR2 (60),NAME
VARCHAR2(50),ACCOUNTID VARCHAR2(100));

CREATE TABLE PAY_DETAILS (ACCOUNTID VARCHAR2 (100) CONSTRAINT
PK_ACCOUNTID PRIMARY KEY, NAME VARCHAR2 (50), PAYMENT VARCHAR2
(100), PAYMENTOPTION VARCHAR2 (30));

CREATE TABLE Appointment(ID VARCHAR2(60),NAME
VARCHAR2(200),ADDRESS VARCHAR2(100),AGE VARCHAR2(100),Phone
VARCHAR2(11),GENDER VARCHAR2(8),BloodG VARCHAR2(4),MAIL
VARCHAR2(50));

CREATE TABLE PHARMACY(ID VARCHAR2(50),NAME VARCHAR2(50),AGE
VARCHAR2(100),MEDICINE VARCHAR2(100),EMAIL VARCHAR2(50),CONTACT
VARCHAR2(11),DEPARTMENT VARCHAR2(10),DATES VARCHAR2(50));

CREATE TABLE AMBULANCE (HOTLINE VARCHAR2 (30));

CREATE TABLE CONTACT (NAME VARCHAR2 (50), MAIL VARCHAR2 (20),
MOBILE VARCHAR2 (11), MESSAGE VARCHAR2 (60));
```

Screen shots of sample data:

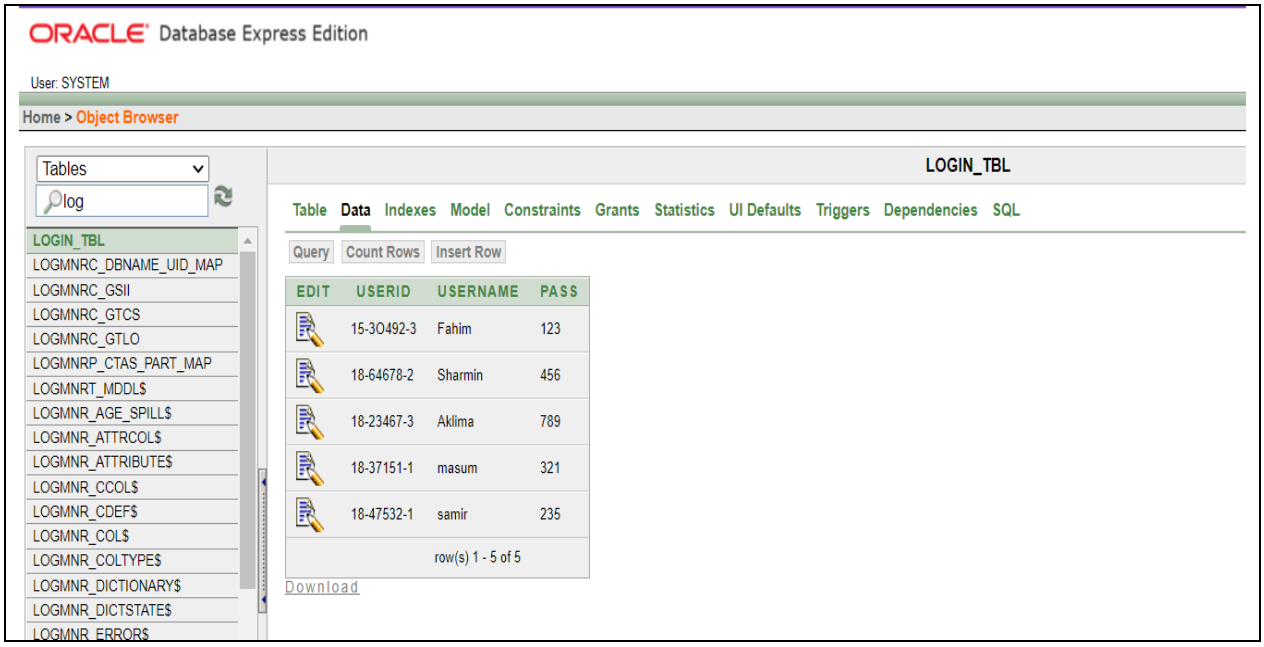

Figure: Login Table

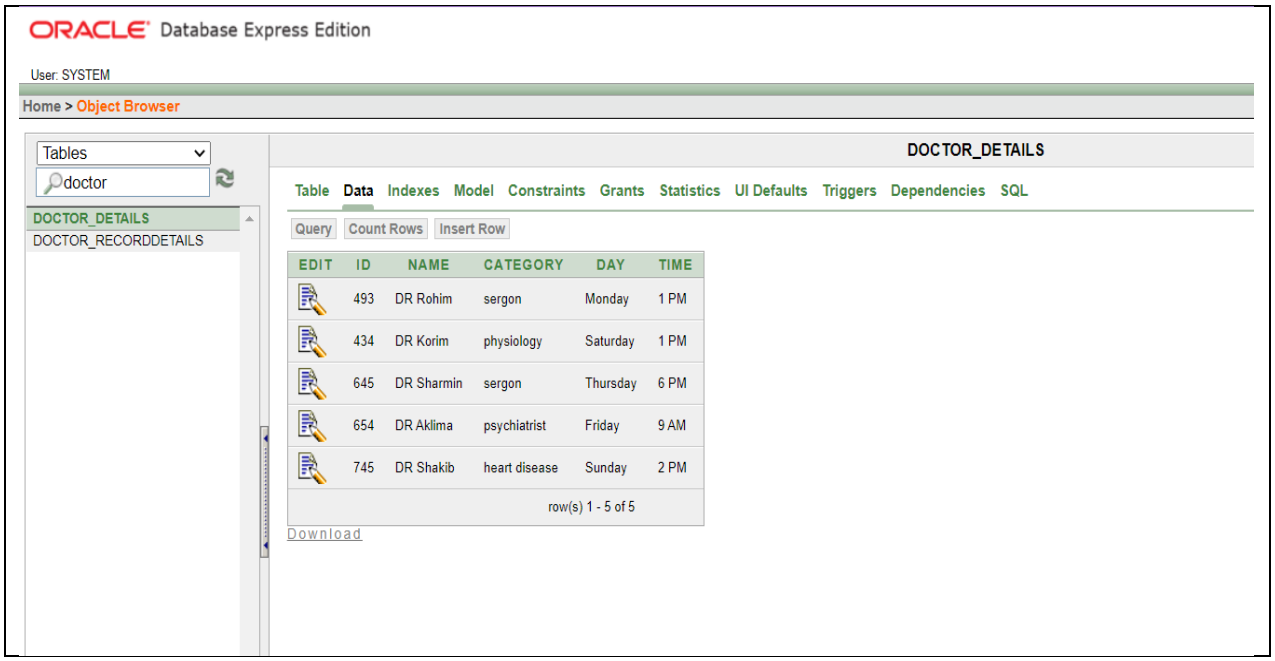

Figure: Doctor Details

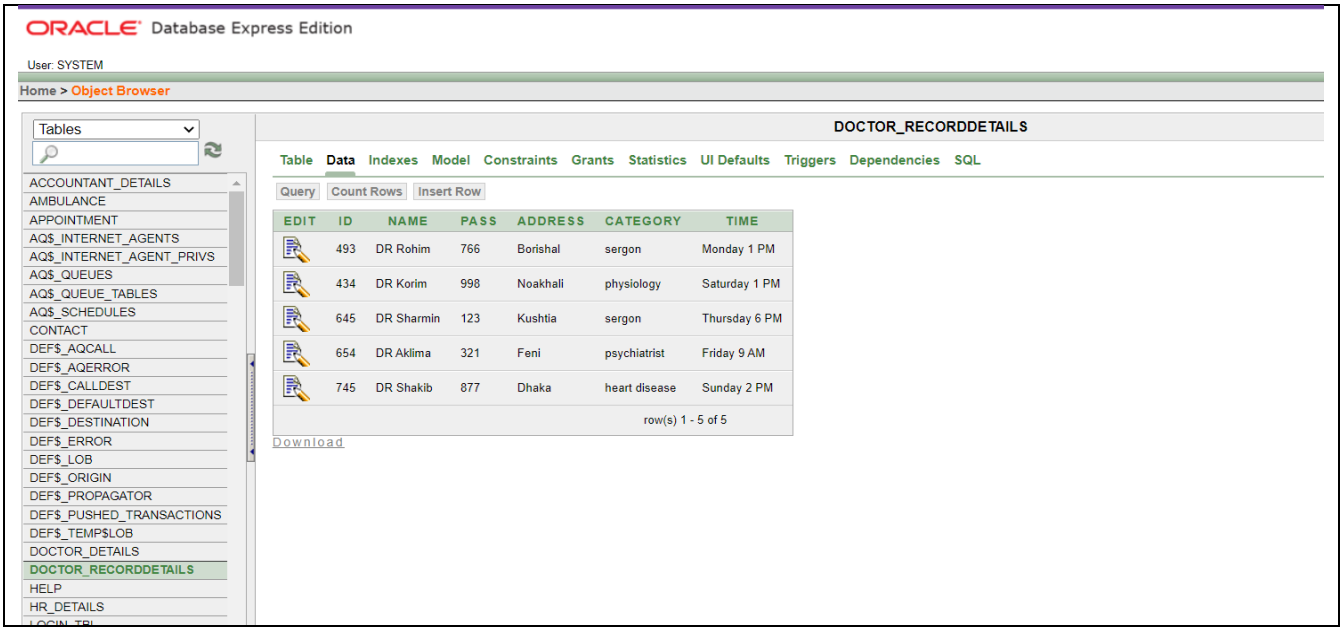

Figure: Doctor RecordDetails

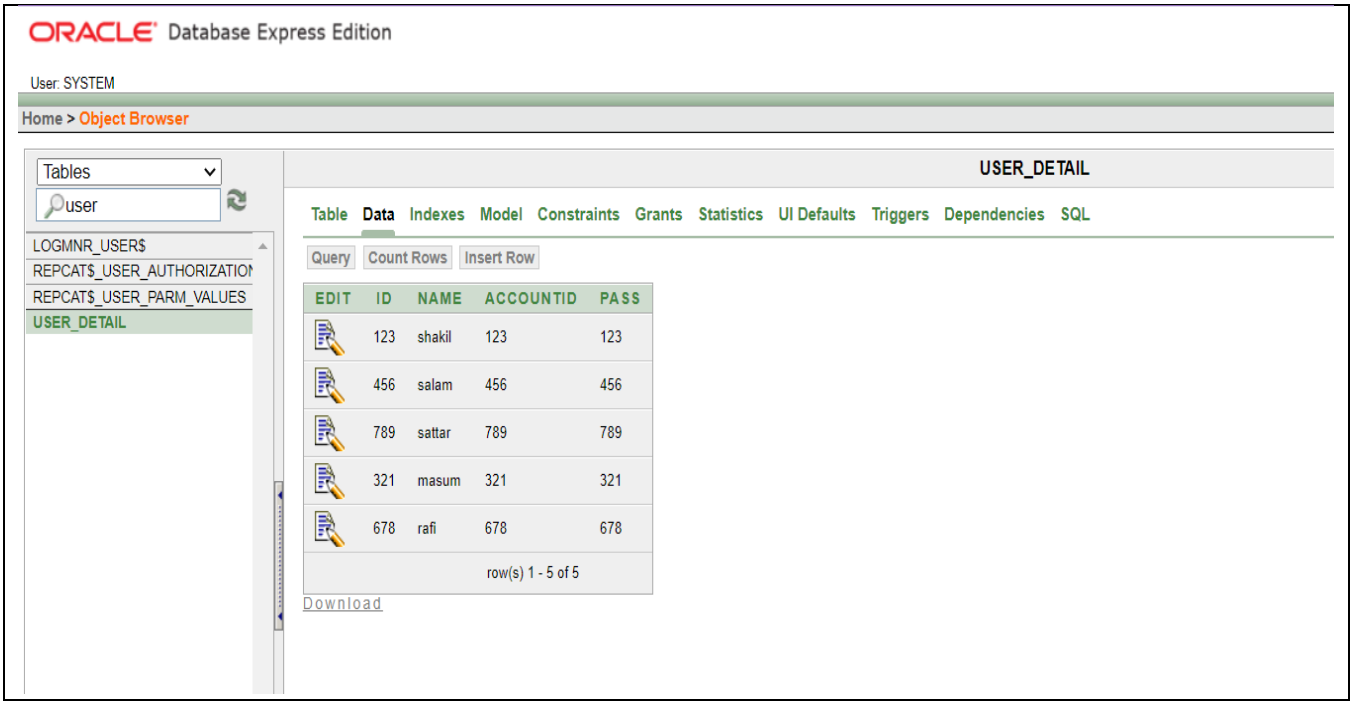

Figure: User Detail

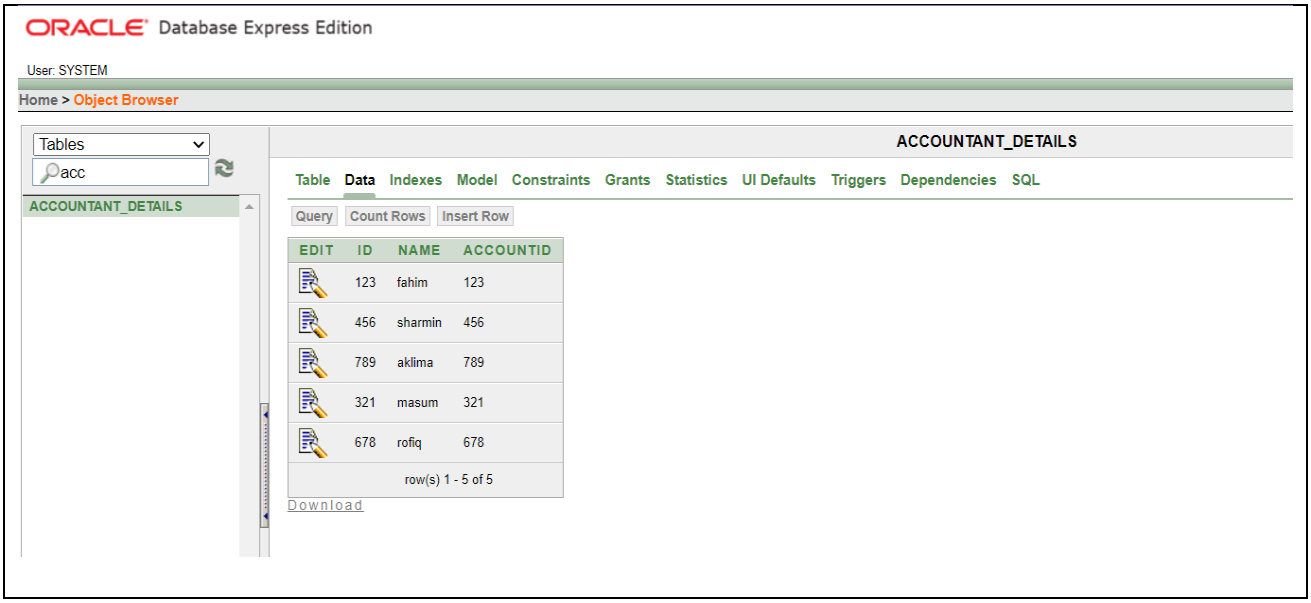

Figure: Accountant Details

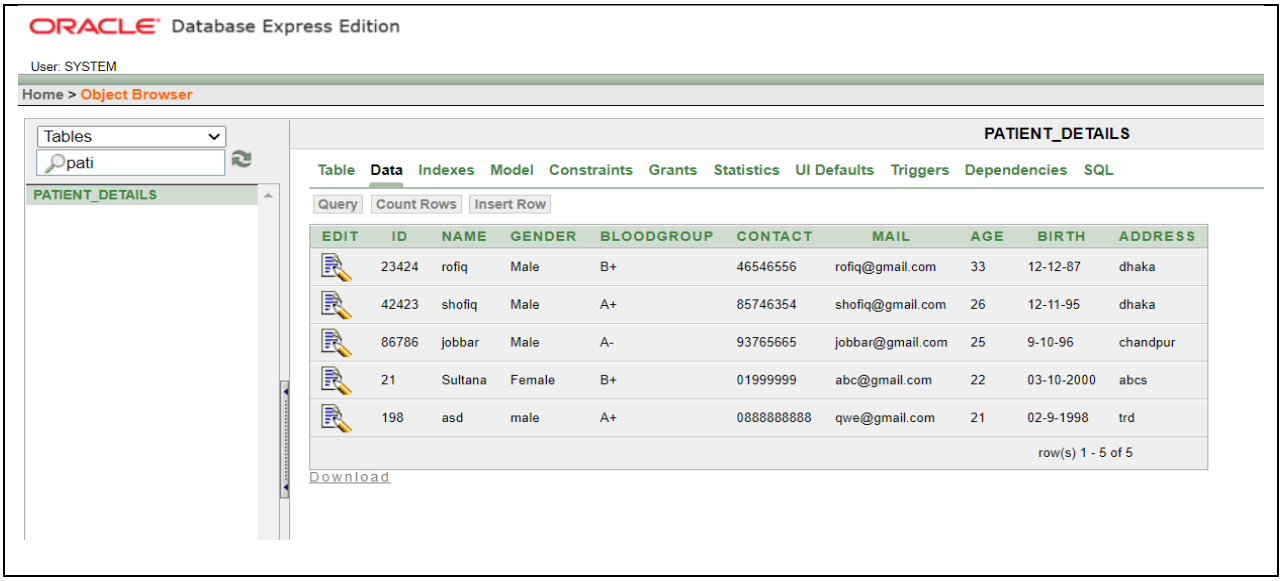

Figure: Patient Details

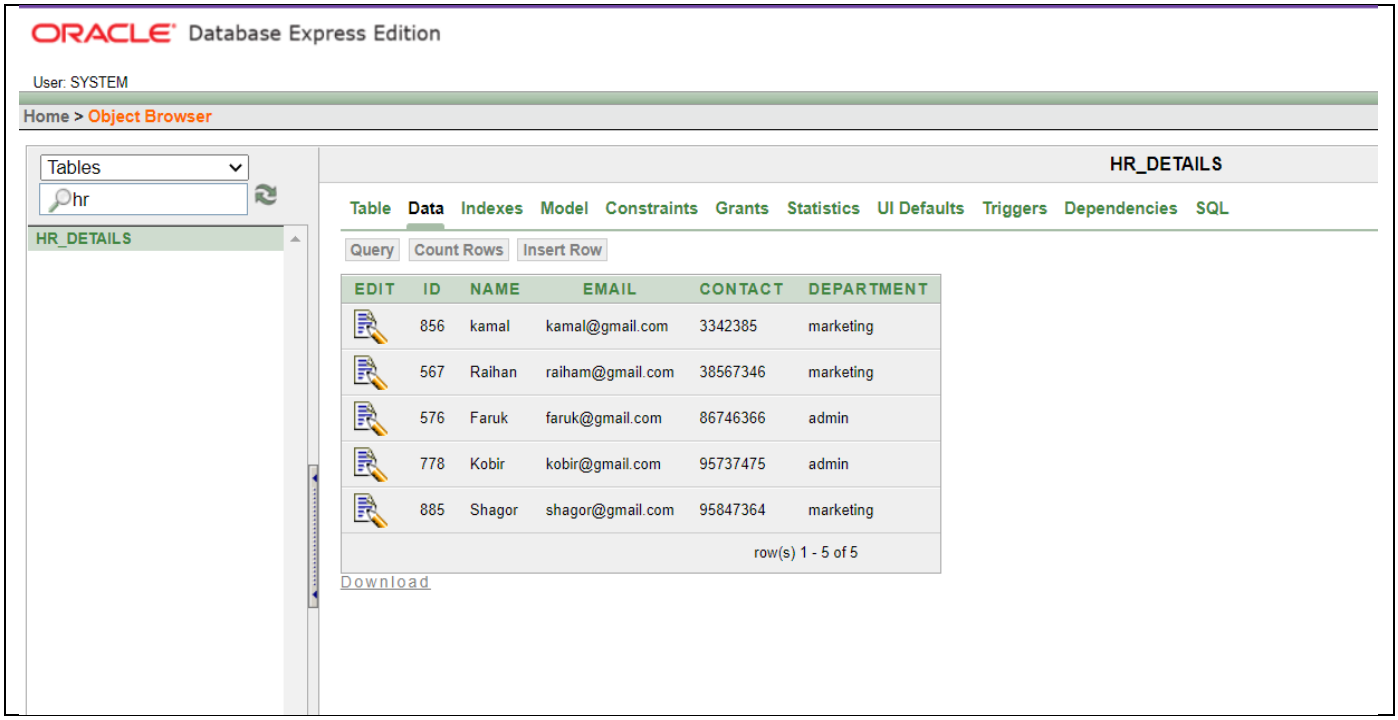

Figure: HR Details

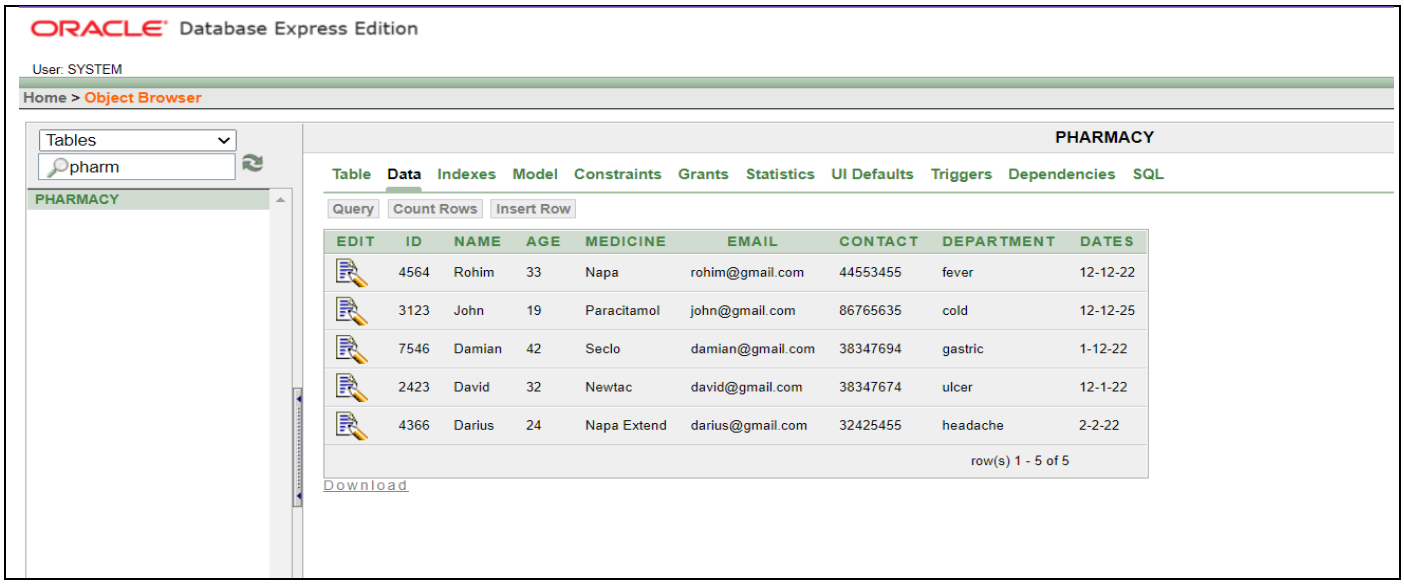

Figure: Pharmacy

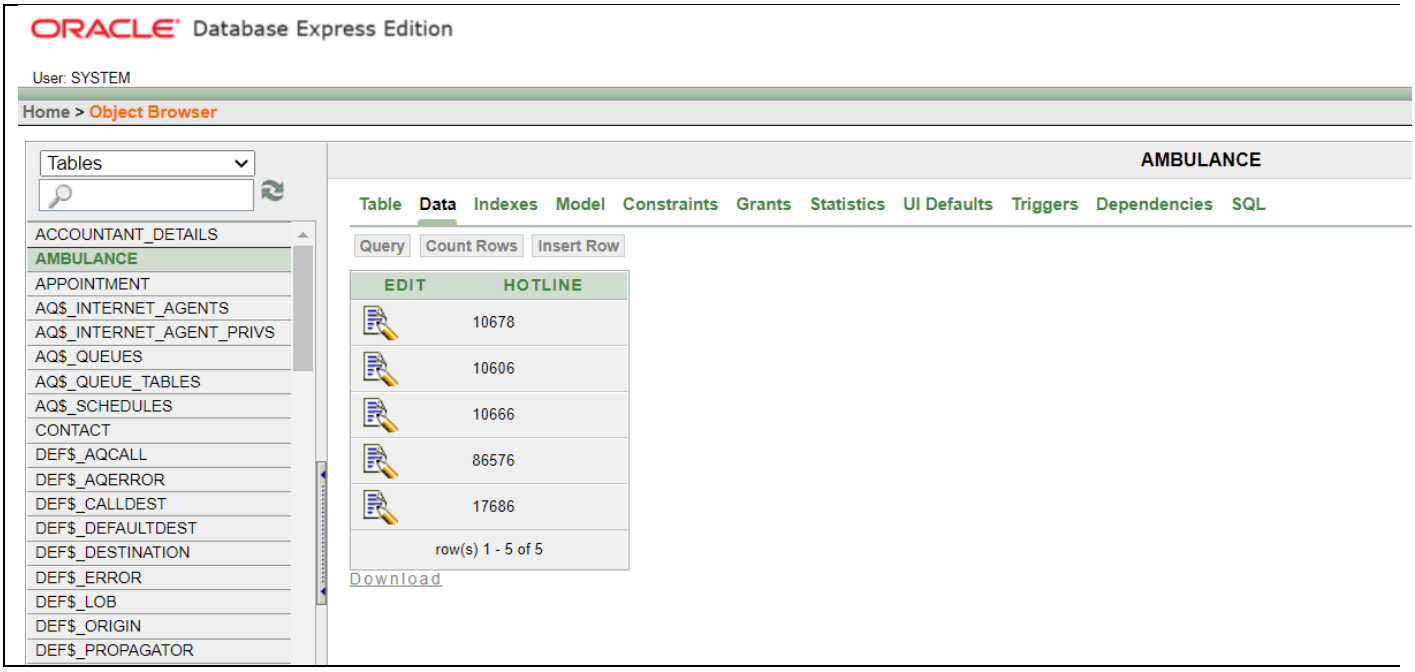

Figure: Ambulance

Sample Queries Used in our application Domain:

1. SELECT * FROM DOCTOR_DETAILS;
*to show details about all the doctors

2. SELECT * FROM Patient_Details;
*to show details of all the patients
3. SELECT * FROM HR_DETAILS;
*to show details of all HR.
4. SELECT * FROM AMBULANCE;
*to show all the ambulances numbers.
5. SELECT * FROM LOGIN_TBL WHERE userid ='15-3O492-3' and pass='123';
*to show profile information by a user's userid and password.
6. SELECT NAME, DAY, TIME from DOCTOR_DETAILS;
*to show only the doctor's name and their days and times from doctor_details table.
7. Select Patient_Details set CONTACT='46567897' WHERE ID='23424';
*to edit a patients contact number.
8. SELECT * FROM PHARMACY WHERE MEDICINE= 'Napa';
*Find a medicine from pharmacy with the medicine name.
9. SELECT * FROM DOCTOR_DETAILS WHERE CATEGORY='surgeon';
*find information about a surgeon from doctor details table.
10. SELECT CONTACT, BLOODGROUP FROM Patient_Details WHERE name='rofiq';
*find the name and contact number, blood group of a patient with a specific name.

User Interface:

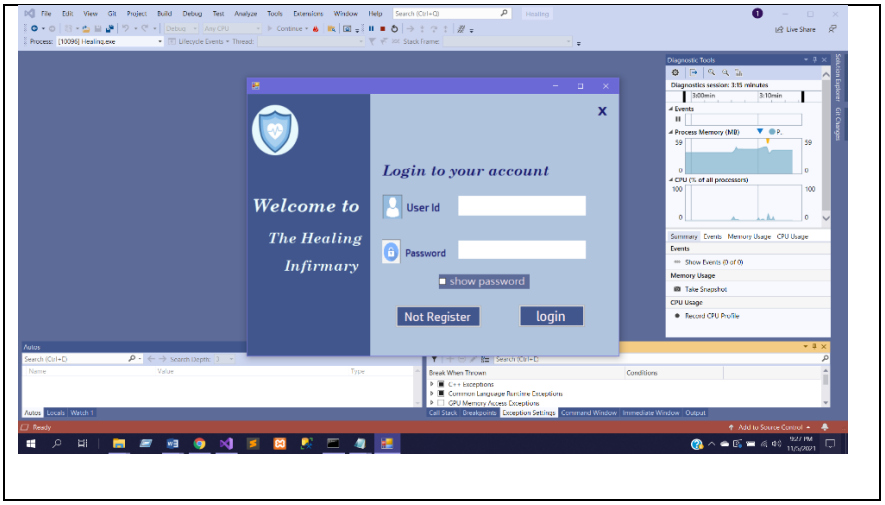

Figure: Login Page

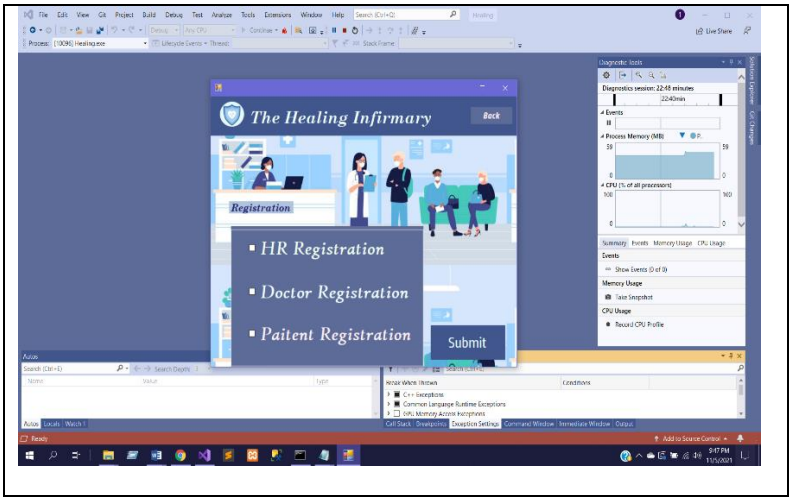

Figure: Registration Page

Figure: Home Page