



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

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- User Interface

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:

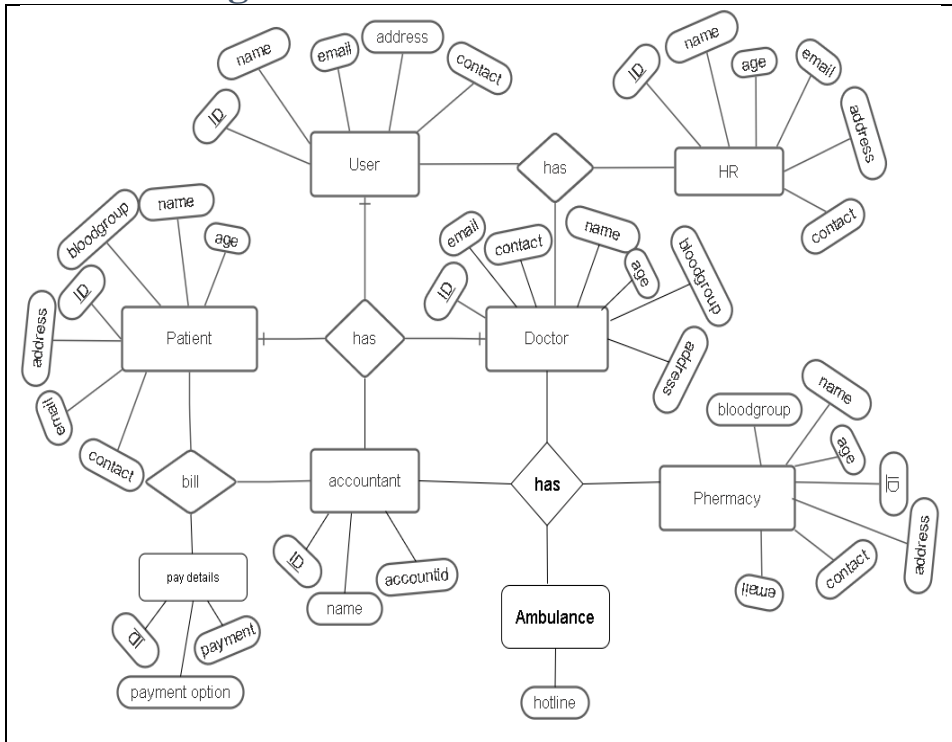


Figure: ERD Diagram

Class diagrams of the system:

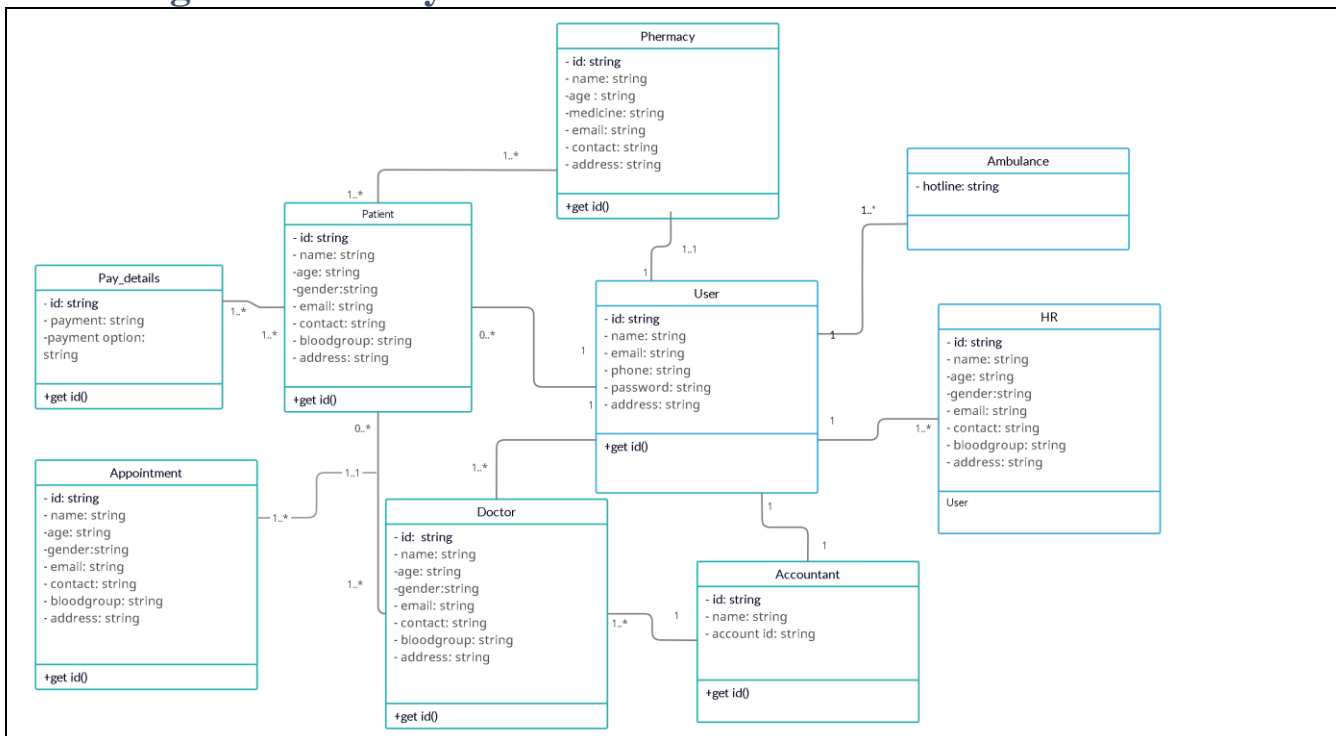


Figure: Class Diagram



Use case and activity diagrams of the system:

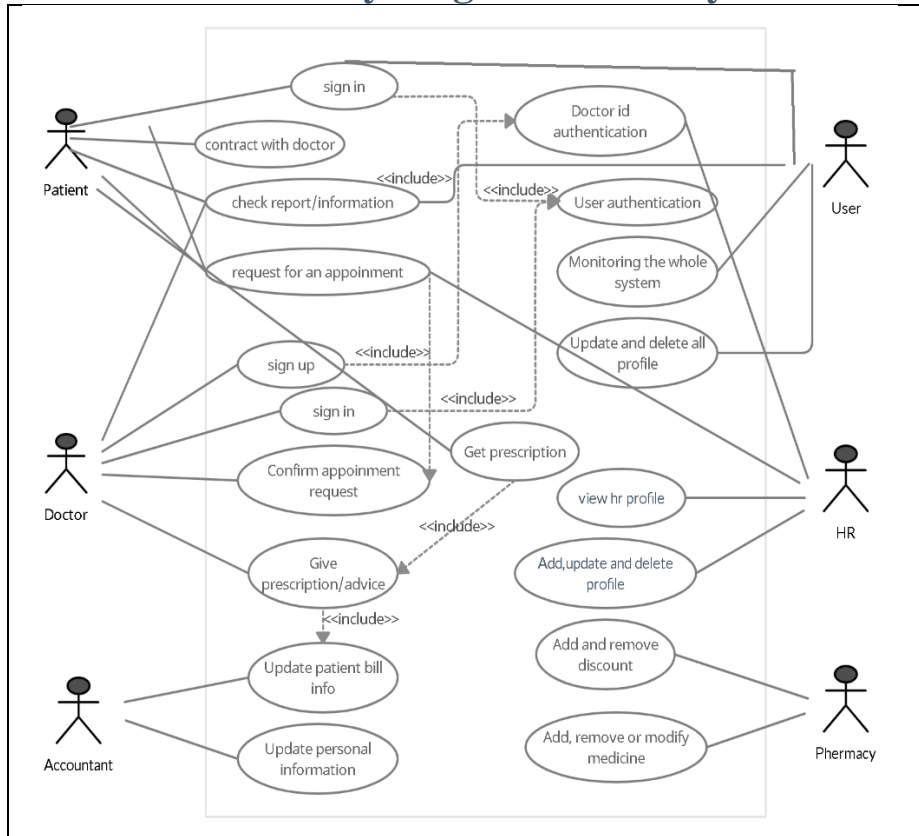


Figure: UseCase Diagram

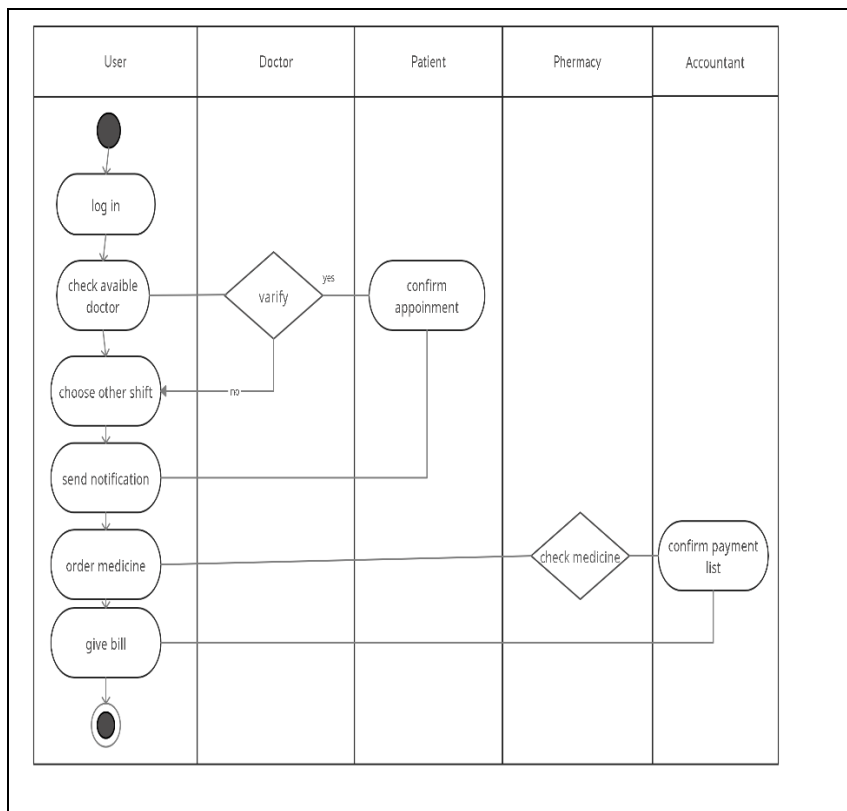


Figure: Activity Diagram

A database schema diagram:

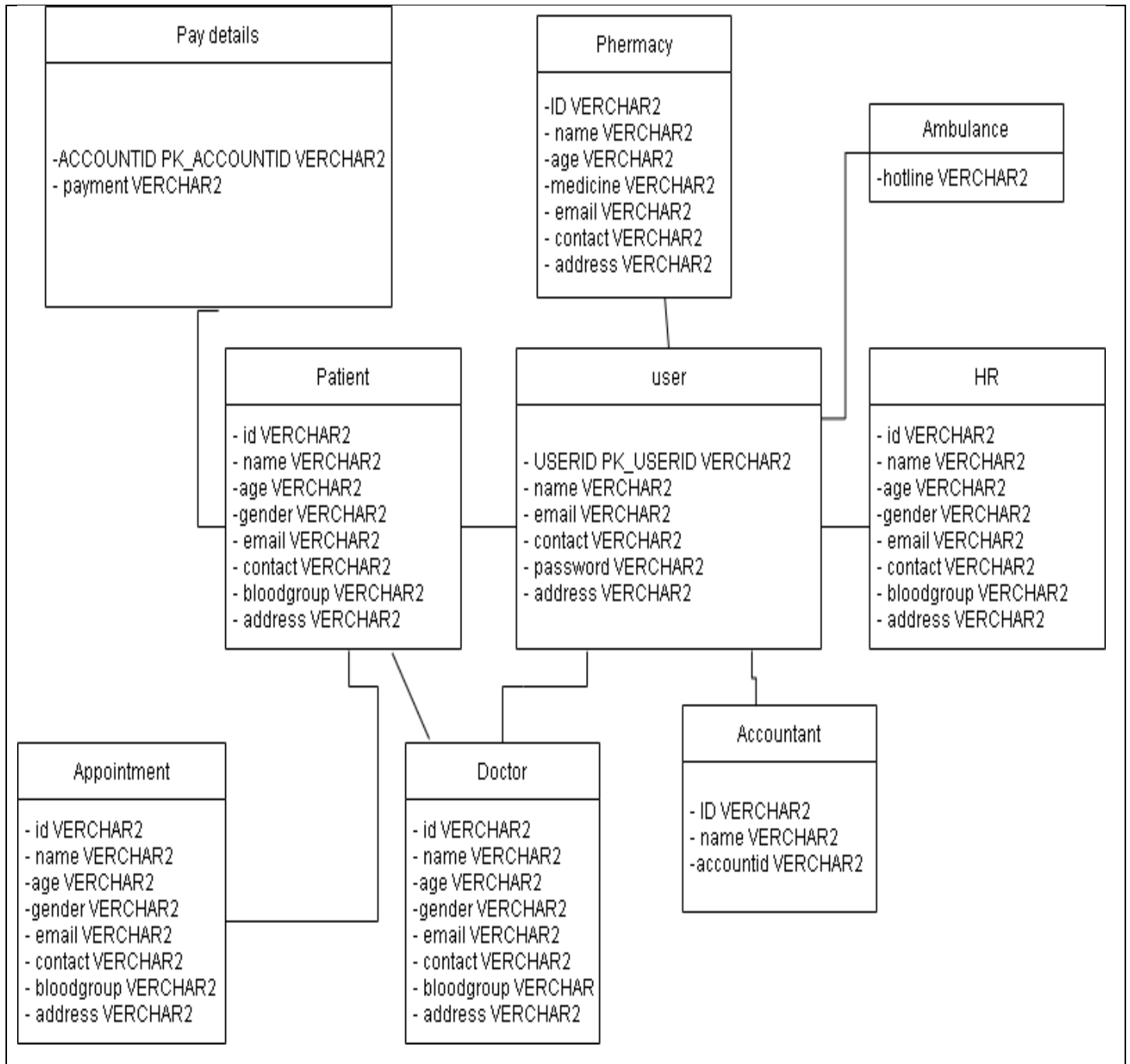


Figure: Schema Diagram

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:

ORACLE Database Express Edition

User: SYSTEM

Home > Object Browser

Tables

log

LOGIN_TBL

LOGMNR_DBNAME_UID_MAP

LOGMNR_GSII

LOGMNR_GTCS

LOGMNR_GTLO

LOGMNR_CTAS_PART_MAP

LOGMNR_MDDL\$

LOGMNR_AGE_SPILL\$

LOGMNR_ATTRCOL\$

LOGMNR_ATTRIBUTES

LOGMNR_CCOL\$

LOGMNR_CDEF\$

LOGMNR_COL\$

LOGMNR_COLTYPE\$

LOGMNR_DICTIONARY\$

LOGMNR_DICTSTAT\$

LOGMNR_ERRORS

LOGIN_TBL

Table Data Indexes Model Constraints Grants Statistics UI Defaults Triggers Dependencies SQL

Query Count Rows Insert Row

EDIT	USERID	USERNAME	PASS
	15-30492-3	Fahim	123
	18-64678-2	Sharmin	456
	18-23467-3	Aklima	789
	18-37151-1	masum	321
	18-47532-1	samir	235

row(s) 1 - 5 of 5

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Figure: Login Table

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Tables

doctor

DOCTOR_DETAILS

DOCTOR_RECORDEDETAILS

DOCTOR_DETAILS

Table Data Indexes Model Constraints Grants Statistics UI Defaults Triggers Dependencies SQL

Query Count Rows Insert Row

EDIT	ID	NAME	CATEGORY	DAY	TIME
	493	DR Rohim	sergon	Monday	1 PM
	434	DR Korim	physiology	Saturday	1 PM
	645	DR Sharmin	sergon	Thursday	6 PM
	654	DR Aklima	psychiatrist	Friday	9 AM
	745	DR Shakib	heart disease	Sunday	2 PM

row(s) 1 - 5 of 5

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Figure: Doctor Details



ORACLE Database Express Edition

User: SYSTEM

Home > Object Browser

Tables

ACCOUNTANT_DETAILS
AMBULANCE
APPOINTMENT
AQ\$_INTERNET_AGENTS
AQ\$_INTERNET_AGENT_PRIVS
AQ\$_QUEUES
AQ\$_QUEUE_TABLES
AQ\$_SCHEDULES
CONTACT
DEF\$_AQCALL
DEF\$_AQERROR
DEF\$_CALDEST
DEF\$_DEFAULTDEST
DEF\$_DESTINATION
DEF\$_ERROR
DEF\$_LOB
DEF\$_ORIGIN
DEF\$_PROPAGATOR
DEF\$_PUSHED_TRANSACTIONS
DEF\$_TEMP\$LOB
DOCTOR_DETAILS
DOCTOR_RECORDDETAILS
HELP
HR_DETAILS
LOGIN_TBL

DOCTOR_RECORDDETAILS

Table Data Indexes Model Constraints Grants Statistics UI Defaults Triggers Dependencies SQL

Query Count Rows Insert Row

EDIT	ID	NAME	PASS	ADDRESS	CATEGORY	TIME
	493	DR Rohim	766	Borishal	sergon	Monday 1 PM
	434	DR Korim	998	Noakhali	physiology	Saturday 1 PM
	645	DR Sharmin	123	Kushtia	sergon	Thursday 6 PM
	654	DR Aklima	321	Feni	psychiatrist	Friday 9 AM
	745	DR Shakib	877	Dhaka	heart disease	Sunday 2 PM

row(s) 1 - 5 of 5

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Figure: Doctor RecordDetails

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User: SYSTEM

Home > Object Browser

Tables

LOGMNR_USERS
REPCAT\$_USER_AUTHORIZATION
REPCAT\$_USER_PARM_VALUES
USER_DETAIL

USER_DETAIL

Table Data Indexes Model Constraints Grants Statistics UI Defaults Triggers Dependencies SQL

Query Count Rows Insert Row

EDIT	ID	NAME	ACCOUNTID	PASS
	123	shakil	123	123
	456	salam	456	456
	789	sattar	789	789
	321	masum	321	321
	678	rafi	678	678

row(s) 1 - 5 of 5

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Figure: User Detail



ORACLE Database Express Edition

User: SYSTEM

Home > Object Browser

Tables

acc

ACCOUNTANT_DETAILS

Table Data Indexes Model Constraints Grants Statistics UI Defaults Triggers Dependencies SQL

Query Count Rows Insert Row

EDIT	ID	NAME	ACCOUNTID
	123	fahim	123
	456	sharmin	456
	789	aklima	789
	321	masum	321
	678	rofiq	678
row(s) 1 - 5 of 5			

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Figure: Accountant Details

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User: SYSTEM

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Tables

pati

PATIENT_DETAILS

Table Data Indexes Model Constraints Grants Statistics UI Defaults Triggers Dependencies SQL

Query Count Rows Insert Row

EDIT	ID	NAME	GENDER	BLOODGROUP	CONTACT	MAIL	AGE	BIRTH	ADDRESS
	23424	rofiq	Male	B+	46546556	rofiq@gmail.com	33	12-12-87	dhaka
	42423	shofiq	Male	A+	85746354	shofiq@gmail.com	26	12-11-95	dhaka
	86786	jobbar	Male	A-	93765665	jobbar@gmail.com	25	9-10-96	chandpur
	21	Sultana	Female	B+	01999999	abc@gmail.com	22	03-10-2000	abcs
	198	asd	male	A+	0888888888	qwe@gmail.com	21	02-9-1998	trd
row(s) 1 - 5 of 5									

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Figure: Patient Details



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User: SYSTEM

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Tables

hr

HR_DETAILS

Table Data Indexes Model Constraints Grants Statistics UI Defaults Triggers Dependencies SQL

Query Count Rows Insert Row

EDIT	ID	NAME	EMAIL	CONTACT	DEPARTMENT
	856	kamal	kamal@gmail.com	3342385	marketing
	567	Raihan	raiham@gmail.com	38567346	marketing
	576	Faruk	faruk@gmail.com	86746366	admin
	778	Kobir	kobir@gmail.com	95737475	admin
	885	Shagor	shagor@gmail.com	95847364	marketing

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Figure: HR Details

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User: SYSTEM

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Tables

pharm

PHARMACY

Table Data Indexes Model Constraints Grants Statistics UI Defaults Triggers Dependencies SQL

Query Count Rows Insert Row

EDIT	ID	NAME	AGE	MEDICINE	EMAIL	CONTACT	DEPARTMENT	DATES
	4564	Rohim	33	Napa	rohim@gmail.com	44553455	fever	12-12-22
	3123	John	19	Paracetamol	john@gmail.com	86765635	cold	12-12-25
	7546	Damian	42	Seclo	damian@gmail.com	38347694	gastric	1-12-22
	2423	David	32	Newtac	david@gmail.com	38347674	ulcer	12-1-22
	4366	Darius	24	Napa Extend	darius@gmail.com	32425455	headache	2-2-22

row(s) 1 - 5 of 5

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Figure: Pharmacy



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User: SYSTEM

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Tables

ACCOUNTANT_DETAILS

AMBULANCE

APPOINTMENT

AQ\$_INTERNET_AGENTS

AQ\$_INTERNET_AGENT_PRIVS

AQ\$_QUEUES

AQ\$_QUEUE_TABLES

AQ\$_SCHEDULES

CONTACT

DEF\$_AQCALL

DEF\$_AQERROR

DEF\$_CALLEDST

DEF\$_DEFAULTDEST

DEF\$_DESTINATION

DEF\$_ERROR

DEF\$_LOB

DEF\$_ORIGIN

DEF\$_PROPAGATOR

AMBULANCE

Table Data Indexes Model Constraints Grants Statistics UI Defaults Triggers Dependencies SQL

Query

Count Rows

Insert Row

EDIT	HOTLINE
	10678
	10606
	10666
	86576
	17686
row(s) 1 - 5 of 5	

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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 ='15-30492-3' 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:

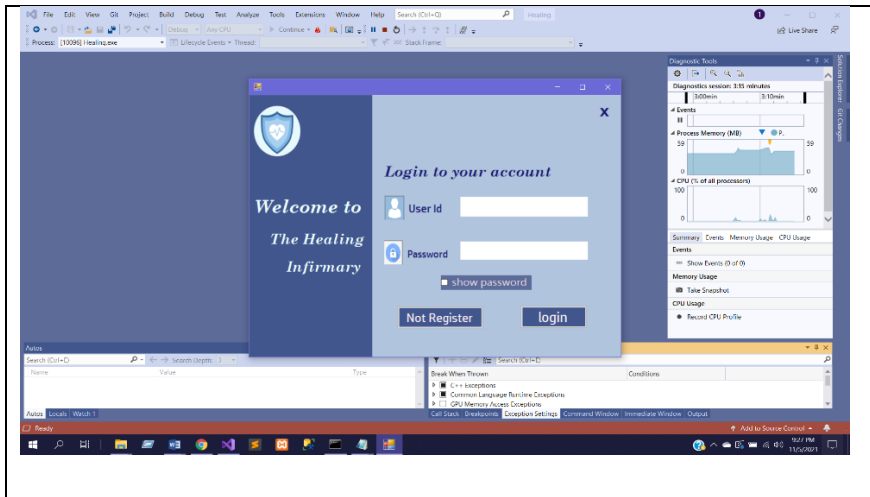


Figure: Login Page

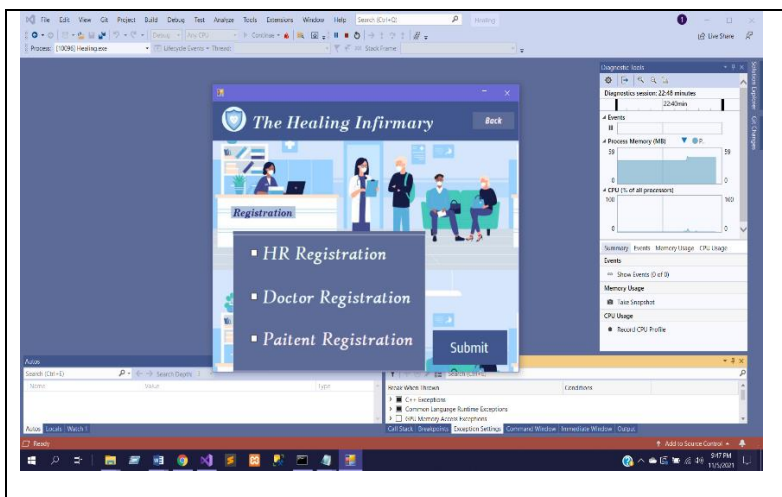


Figure: Registration Page



Figure: Home Page

