

FDB PDF FINAL REPORT
CSCE 5350 – SPRING 2022
GROUP – 12
Hospital Management

Description of the Project:

1) Patient:

In patient module here, we can register the new patient, during registration we enter the basic information regarding patient. There are two types of patient one is INPATIENT and another is OUTPATIENT. If patient is INPATIENT then we can check the availability of room in particular ward.

2) Appointment Scheduling Module

In appointment scheduling we schedule the appointment for new patient in which we assign the date, time, department and doctor is available that time. If patient want particular doctor then we can search the doctors scheduling and available time for that doctor. Here we add the urgency and reminder to patient. We can also cancel the appointment of particular patient.

Medoc's (Medical documentation and services):

We can enter or view the previous medical record of particular patient.

We can enter or view the PRESCRIPTION of particular patient.

We can enter or view other information like:

- Notes and reports,
- Allergy,
- Diet Plan,
- Physician Orders,
- Problems,
- Measurement,
- Diagnosis,
- Therapy,
- Medical advice

3) Admission:

In this module we can search the only admitted patient. Here we can update his details like prescription, notes and reports, measurement, birth details, pregnancies and we can cancel the particular admission.

4) Ambulatory:

In this module we can see the information related to patients which are outpatient. Here we can see the department wise appointment and particular day's outpatient. We can also see the today's waiting list and also transfer or take over the patient from one department to another department. From here we can also admit the patient.

5) Nurse:

In this module we can register the new specialist, for which we can enter the basic information about employee and his professional details.

6) Doctors:

In this module we can view the today's doctor on call schedule department-wise. Here we can create the duty plan of doctor and edit or update the duty plan of particular doctor. Here we can add/delete the doctor to particular department.

7) Ward Management:

Here we can create new ward, in particular department, assign the rooms to ward, how many beds for particular room. All of these we can set from here.

8) Room Management:

Here we can search the patient who is gone through any operation and his detail information like operation date, surgeon, therapy, special notice, operation type, operation room number. Here we can also give the quick view of today's nurses on standby duty and we can create the duty plan for particular nurse.

7) Services:

In this module we have to fill up the form and send the request to laboratory test. Here we can also see the pending request. We can also search the particular patient and view the laboratory information of particular patient.

Type of laboratories: -

- Medical Lab,
- Pathological Lab,
- Bacteriological Lab,
- Blood Bank.
- Bill Management
- Department Management

Software Requirements

Computer software is a set of programs, procedures, functions, associated data and/or its documentation, if any. Program software performs the function of the program it implements, either by directly providing instructions to the digital electronics or by serving as an input to another piece of software.

IDE Tool : Net beans 7.2.1.

Backend kit : Java 1.8

Frontend : html,css,jsp

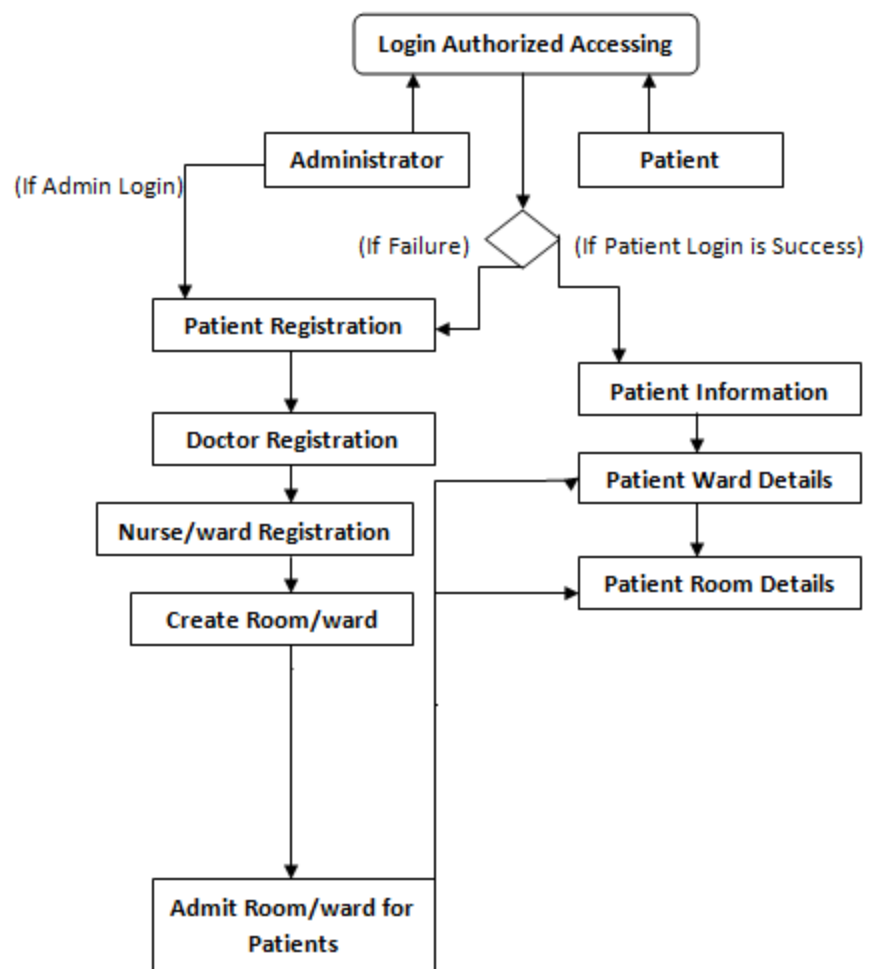
Database : SQLyog

Java Database Connectivity Steps:-

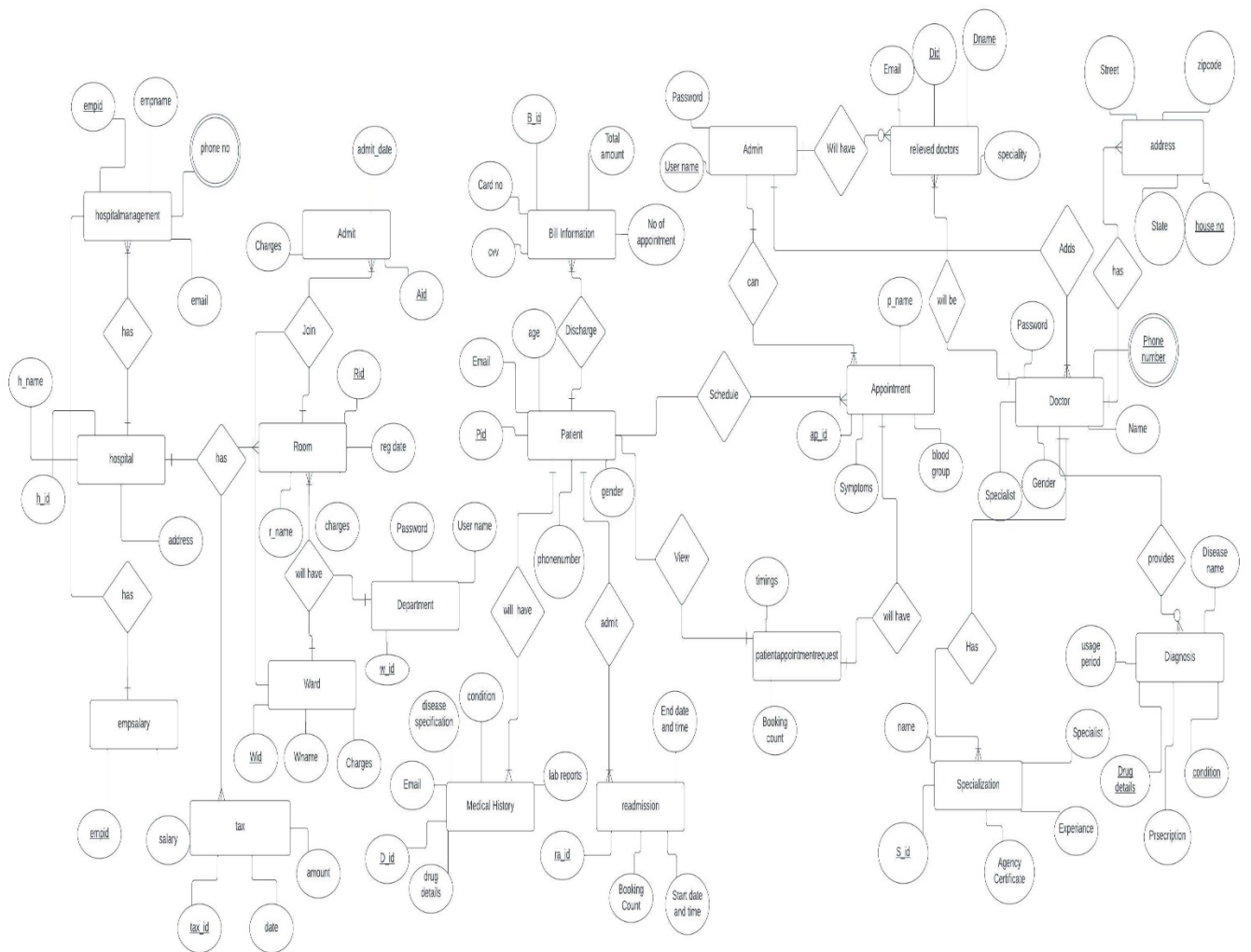
Before you can make a java jdbc association with the database, you should first import the java.sql package.

- **Loading a database driver**, (Ex `Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");`)
- **Establishing the Connection**
(Ex. `Connection con=DriverManager.getConnection ("url","username","password")`)
- **Create a JDBC Statement Object** (Ex. `Statement statement = con.createStatement ();`)
- **Executing the Statement** (Ex. `Statement.executeUpdate()`)
- **Close JDBC Objects** (Ex. `Statement.close(),rs.close(),con.close()`)

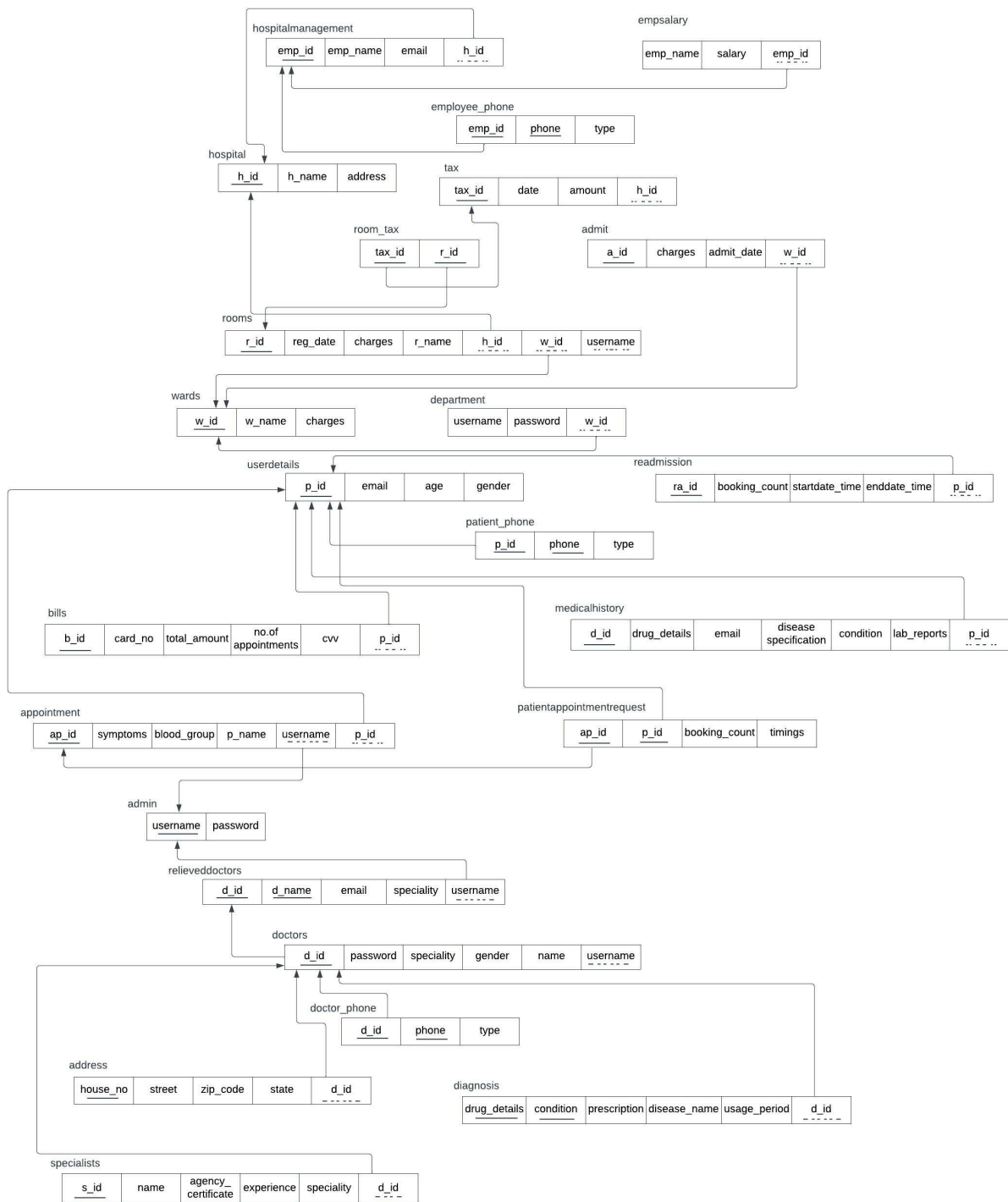
Data Flow Diagram:



Final ER Model:



Final Relational Model after breaking down into 3NF:



We have all the table Creation queries:

Admin Table:

```
CREATE TABLE `admin` (  
  `username` varchar(250) NOT NULL,  
  `password` varchar(250) DEFAULT NULL,  
  PRIMARY KEY (`username`)  
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
```

Admit Table:

```
CREATE TABLE `admit` (  
  `id` int(11) NOT NULL AUTO_INCREMENT,  
  `pid` varchar(444) DEFAULT NULL,  
  `rid` varchar(444) DEFAULT NULL,  
  `wid` varchar(444) DEFAULT NULL,  
  `totalcharges` varchar(444) DEFAULT NULL,  
  `status` varchar(555) DEFAULT NULL,  
  PRIMARY KEY (`id`)  
) ENGINE=InnoDB AUTO_INCREMENT=11 DEFAULT CHARSET=latin1;
```

Bills :

```
CREATE TABLE `bills` (  
  `Bill_ID` int(11) unsigned NOT NULL AUTO_INCREMENT,  
  `patient_ID` int(11) DEFAULT NULL,  
  `Doctor_name` varchar(200) DEFAULT NULL,  
  `CardNumber` varchar(200) DEFAULT NULL,  
  `cvvnumber` int(11) DEFAULT NULL,  
  `expiry` varchar(200) DEFAULT NULL,  
  `Bill_Date` varchar(200) DEFAULT NULL,  
  `TotalAmount` float DEFAULT NULL,  
  `bankname` varchar(200) DEFAULT NULL,  
  PRIMARY KEY (`Bill_ID`)  
) ENGINE=InnoDB AUTO_INCREMENT=2 DEFAULT CHARSET=latin1;
```

Department:

```
CREATE TABLE `department` (  
  `name` varchar(444) NOT NULL,  
  `password` varchar(444) DEFAULT NULL,  
  PRIMARY KEY (`name`)  
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
```

Doctors:

```
CREATE TABLE `doctors` (  
  `id` int(11) NOT NULL AUTO_INCREMENT,  
  `name` varchar(90) DEFAULT NULL,  
  `age` varchar(900) DEFAULT NULL,  
  `gender` varchar(90) DEFAULT NULL,  
  `email` varchar(900) DEFAULT NULL,  
  `password` varchar(900) DEFAULT NULL,  
  `mobile` varchar(900) DEFAULT NULL,  
  `location` varchar(900) DEFAULT NULL,  
  `picture` longblob,  
  `dateofbirth` varchar(900) DEFAULT NULL,  
  `fee` varchar(2000) DEFAULT NULL,  
  `experience` varchar(250) DEFAULT NULL,  
  `specialist` varchar(250) DEFAULT NULL,  
  PRIMARY KEY (`id`)  
) ENGINE=InnoDB AUTO_INCREMENT=3 DEFAULT CHARSET=latin1;
```

Packagerequests:

```
CREATE TABLE `packagerequests` (  
  `accname` varchar(50) DEFAULT NULL,  
  `packid` int(23) DEFAULT NULL,  
  `email` varchar(90) DEFAULT NULL,  
  `contact` varchar(50) DEFAULT NULL,  
  `durr` varchar(900) DEFAULT NULL,  
  `schduletime` varchar(50) DEFAULT NULL,  
  `bookings` varchar(900) DEFAULT NULL,  
  `status` varchar(36) DEFAULT NULL,
```

```

`venue` varchar(90) DEFAULT NULL,
`relationship` varchar(900) DEFAULT NULL,
`gaddress` varchar(900) DEFAULT NULL,
`id` int(11) NOT NULL AUTO_INCREMENT,
`totalpositions` int(67) DEFAULT NULL,
`remain` int(76) DEFAULT NULL,
`appdate` varchar(250) DEFAULT NULL,
`apptime` varchar(250) DEFAULT NULL,
`fee` varchar(250) DEFAULT NULL,
`patientname` varchar(250) DEFAULT NULL,
PRIMARY KEY (`id`)
) ENGINE=InnoDB AUTO_INCREMENT=2 DEFAULT CHARSET=latin1;

```

Package:

```

CREATE TABLE `packages` (
  `id` int(11) NOT NULL AUTO_INCREMENT,
  `name` varchar(200) DEFAULT NULL,
  `type` varchar(200) DEFAULT NULL,
  `usag` varchar(200) DEFAULT NULL,
  `parents` varchar(200) DEFAULT NULL,
  `position` varchar(200) DEFAULT NULL,
  `phase1` varchar(200) DEFAULT NULL,
  `phase2` varchar(200) DEFAULT NULL,
  `exstart` varchar(200) DEFAULT NULL,
  `extend` varchar(200) DEFAULT NULL,
  `lockmg` longblob,
  `organizer` varchar(200) DEFAULT NULL,
  `approvedby` varchar(200) DEFAULT NULL,
  `email` varchar(200) DEFAULT NULL,
  `specialreq` varchar(200) DEFAULT NULL,
  `status` varchar(200) DEFAULT NULL,
  `remaindays` varchar(200) DEFAULT NULL,
  `remaindys` int(11) DEFAULT NULL,
  `stday` int(11) DEFAULT NULL,
  `endday` int(11) DEFAULT NULL,
  `transport` varchar(200) DEFAULT NULL,

```

```

`accom` varchar(200) DEFAULT NULL,
`contact` varchar(200) DEFAULT NULL,
`timing` varchar(200) DEFAULT NULL,
PRIMARY KEY (`id`)
) ENGINE=InnoDB AUTO_INCREMENT=4 DEFAULT CHARSET=latin1;

```

Readmission:

```

CREATE TABLE `readmission` (
  `id` int(11) NOT NULL AUTO_INCREMENT,
  `pname` varchar(200) DEFAULT NULL,
  `age` varchar(200) DEFAULT NULL,
  `pid` varchar(200) DEFAULT NULL,
  `email` varchar(200) DEFAULT NULL,
  `mobile` varchar(200) DEFAULT NULL,
  `sub` varchar(200) DEFAULT NULL,
  `drugdetails` varchar(200) DEFAULT NULL,
  `dunit` varchar(200) DEFAULT NULL,
  `sideeffect` varchar(200) DEFAULT NULL,
  `dosf` varchar(200) DEFAULT NULL,
  `stdat` varchar(200) DEFAULT NULL,
  `endat` varchar(200) DEFAULT NULL,
  `dstatus` varchar(200) DEFAULT NULL,
  `parents` varchar(200) DEFAULT NULL,
  `address` varchar(200) DEFAULT NULL,
  `treatment` varchar(2000) DEFAULT NULL,
  `diseasesp` varchar(200) DEFAULT NULL,
  `conditions` varchar(200) DEFAULT NULL,
  `labreports` varchar(200) DEFAULT NULL,
  `ptype` varchar(200) DEFAULT NULL,
  `blood` varchar(200) DEFAULT NULL,
  `symptoms` varchar(200) DEFAULT NULL,
  `status` varchar(200) DEFAULT NULL,
  `rcount` varchar(222) DEFAULT NULL,
  PRIMARY KEY (`id`)
) ENGINE=InnoDB AUTO_INCREMENT=2 DEFAULT CHARSET=latin1;

```

Relievedoctors:

```
CREATE TABLE `relievedoctors` (  
  `id` int(11) NOT NULL AUTO_INCREMENT,  
  `name` varchar(90) DEFAULT NULL,  
  `age` varchar(900) DEFAULT NULL,  
  `gender` varchar(90) DEFAULT NULL,  
  `email` varchar(900) DEFAULT NULL,  
  `mobile` varchar(900) DEFAULT NULL,  
  `location` varchar(900) DEFAULT NULL,  
  `dateofbirth` varchar(900) DEFAULT NULL,  
  `fee` varchar(2000) DEFAULT NULL,  
  `experience` varchar(250) DEFAULT NULL,  
  `specialist` varchar(250) DEFAULT NULL,  
  PRIMARY KEY (`id`)  
) ENGINE=InnoDB AUTO_INCREMENT=3 DEFAULT CHARSET=latin1;
```

Rooms:

```
CREATE TABLE `rooms` (  
  `id` int(11) NOT NULL,  
  `rname` varchar(333) DEFAULT NULL,  
  `rtype` varchar(333) DEFAULT NULL,  
  `organizer` varchar(333) DEFAULT NULL,  
  `charges` varchar(333) DEFAULT NULL,  
  `regdate` varchar(333) DEFAULT NULL,  
  PRIMARY KEY (`id`)  
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
```

Specialists:

```
CREATE TABLE `specialists` (  
  `id` int(11) NOT NULL AUTO_INCREMENT,  
  `name` varchar(250) DEFAULT NULL,  
  `age` varchar(250) DEFAULT NULL,  
  `sex` varchar(250) DEFAULT NULL,  
  `email` varchar(250) DEFAULT NULL,
```

```

`qualification` varchar(250) DEFAULT NULL,
`mobile` varchar(230) DEFAULT NULL,
`address` varchar(210) DEFAULT NULL,
`experience` varchar(250) DEFAULT NULL,
`certificate` longblob,
`reco` varchar(230) DEFAULT NULL,
`speciality` varchar(230) DEFAULT NULL,
`dob` varchar(230) DEFAULT NULL,
PRIMARY KEY (`id`)
) ENGINE=InnoDB AUTO_INCREMENT=3 DEFAULT CHARSET=latin1;

```

User_details:

```

CREATE TABLE `user_details` (
  `uname` varchar(50) DEFAULT NULL,
  `father` varchar(50) DEFAULT NULL,
  `age` varchar(70) DEFAULT NULL,
  `gender` varchar(70) DEFAULT NULL,
  `email` varchar(60) NOT NULL,
  `password` varchar(60) DEFAULT NULL,
  `mobile` varchar(13) NOT NULL,
  `location` varchar(40) DEFAULT NULL,
  `picture` longblob,
  `datebirth` varchar(90) DEFAULT NULL,
  `userid` int(90) NOT NULL AUTO_INCREMENT,
  PRIMARY KEY (`userid`)
) ENGINE=InnoDB AUTO_INCREMENT=2 DEFAULT CHARSET=latin1;

```

Wards:

```

CREATE TABLE `wards` (
  `id` int(11) NOT NULL,
  `wname` varchar(333) DEFAULT NULL,
  `wtype` varchar(333) DEFAULT NULL,
  `organizer` varchar(333) DEFAULT NULL,
  `charges` varchar(333) DEFAULT NULL,

```

```
`regdate` varchar(333) DEFAULT NULL,  
PRIMARY KEY (`id`)  
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
```

Hospitalmanagement:

```
CREATE TABLE `hospitalmanagement` (  
  `emp_id` int(11) NOT NULL,  
  `emp_name` varchar(333) DEFAULT NULL,  
  `email` varchar(333) DEFAULT NULL,  
  `h_id` int(333) DEFAULT NULL ,  
  PRIMARY KEY (`emp_id`),  
  FOREIGN KEY (h_id) REFERENCES hospital(h_id);  
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
```

Hospital:

```
CREATE TABLE `hospital` (  
  `h_id` int(11) NOT NULL,  
  `h_name` varchar(333) DEFAULT NULL,  
  `address` varchar(333) DEFAULT NULL,  
  PRIMARY KEY (`h_id`);
```

Taxes:

```
CREATE TABLE `tax` (  
  `tax_id` int(11) NOT NULL,  
  `amount` double(10,2) DEFAULT NULL,  
  `date` date DEFAULT NULL,  
  PRIMARY KEY (`tax_id`);
```

Appointment:

```
CREATE TABLE `appointment` (  
  `ap_id` int(11) NOT NULL,  
  `symptoms` varchar(333) DEFAULT NULL,  
  `blood_group` varchar(333) DEFAULT NULL,
```

```
FOREIGN KEY (p_id) REFERENCES user_details(p_id),  
PRIMARY_KEY 'ap_id'  
  
);
```

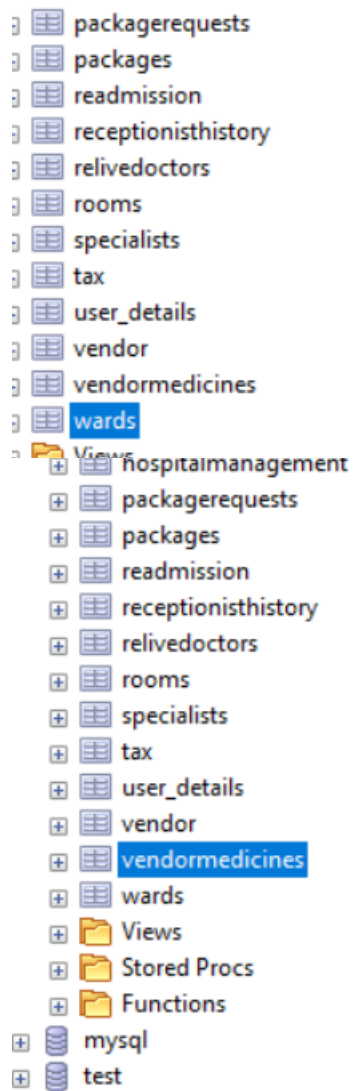
Medicalhistory:

```
CREATE TABLE `medicalhistory` (  
  `d_id` int(50) DEFAULT NOT NULL,  
  `drug_details` varchar(50) DEFAULT NULL,  
  `email` varchar(70) DEFAULT NULL,  
  `disease_specification` varchar(70) DEFAULT NULL,  
  `condition` varchar(60) NOT NULL,  
  `lab_reports` varchar(60) DEFAULT NULL,  
  PRIMARY KEY (`d_id`),  
  FOREIGN KEY (p_id) REFERENCES user_details(p_id);  
)
```

Patientappointmentrequest:

```
CREATE TABLE `patientappointmentrequest` (  
  `preq_id` int(50) DEFAULT NOT NULL,  
  `booking_count` varchar(50) DEFAULT NULL,  
  `timings` varchar(70) DEFAULT NULL,  
  PRIMARY_KEY 'preq_id' int(10),  
  FOREIGN KEY (p_id) REFERENCES user_details(p_id),  
  FOREIGN KEY (ap_id) REFERENCES appointment(ap_id);
```


Sample data loaded into database tables:



	id	wname	wtype	organizer	charges	regdate
<input type="checkbox"/>	201	WARD201	General	sagar	250	2021-04-26
<input type="checkbox"/>	202	WARD202	General	kiran	230	2016-12-19
<input type="checkbox"/>	203	WARD203	General	mohan	200	2018-12-19
*	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)

	vendorid	medicine1	medicine2	medicine3	medicine4
<input type="checkbox"/>	1	paracetamol	(NULL)	(NULL)	(NULL)
*	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)

- + packagerequests
- + packages
- + readmission
- + receptionisthistory
- + relivedoctors
- + rooms
- + specialists
- + tax
- + user_details
- + vendor
- + packagerequests
- + packages
- + readmission
- + receptionisthistory
- + relivedoctors
- + rooms
- + specialists
- + tax
- + user_details
- + vendor
- + vendormedicines
- + hospitalmanagement
- + packagerequests
- + packages
- + readmission
- + receptionisthistory
- + relivedoctors
- + rooms
- + specialists
- + tax
 - + Columns
 - + Indexes
 - + Triggers
- + hospitalmanagement
- + packagerequests
- + packages
- + readmission
- + receptionisthistory
- + relivedoctors
- + rooms
- + specialists
- + tax
- + user_details
- + vendor
- + vendormedicines

	vendorID	vendorname	vendorage	vendorempid	vendorcomp
<input type="checkbox"/>	1	Sunil	28	EM127L	Rand Solut.
*	(NULL)	(NULL)	(NULL)	NA	Freelancer

	uname	father	age	gender	email	pass
<input type="checkbox"/>	sandeep	krishna	23	male	sandeep@gmail.com	sand
<input type="checkbox"/>	abhi	balu	34	male	abhi@gmail.com	abhi
<input type="checkbox"/>	Balu	chandu	56	male	balu@gmail.com	balu
<input type="checkbox"/>	chandu	Hari	55	male	chandu@gmail.com	chan
*	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)

	CEOID	financialyear	taxamount
<input type="checkbox"/>	1	2022	33000000
<input type="checkbox"/>	2	2021	15000650
*	(NULL)	(NULL)	(NULL)

	id	name	age	sex	email	qualific
<input type="checkbox"/>	2	suma	32	female	suma@gmail.com	btech
*	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)

- + packagerequests
- + packages
- + readmission
- + receptionisthistory
- + relivedoctors
- + **rooms**
- + specialists
- + tax
- + nospitāmanagement
- + packagerequests
- + packages
- + readmission
- + receptionisthistory
- **relievedoctors**
 - + Columns
 - + Indexes
 - + Triggers
- + **rooms**
 - + packages
 - + readmission
 - + receptionisthistory
 - + relivedoctors
 - + rooms
 - + specialists
 - + tax
 - + user_details
 - + vendor
 - + vendormedicines
 - + wards
 - + Views
 - + Stored Procs
 - + Functions

	id	rname	rtype	organizer	charges	re
<input type="checkbox"/>	100	ROOM100	General	karan@gmail.com	200	20
<input type="checkbox"/>	101	ROOM101	General	kmanager@gmaail.com	250	20
<input type="checkbox"/>	102	ROOM102	General	kalyan	300	20
<input type="checkbox"/>	103	ROOM103	General	krishna	240	20
*	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)	(N

	id	name	age	gender	email
<input type="checkbox"/>	2	aruna	35	female	aruna
*	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)

	id	name	type	usag	parents	positition
<input type="checkbox"/>	1	sandeep	Personal	35	sandeep	Balkumpet Te
<input type="checkbox"/>	2	sandeep	Family	35	ramanareddy	hyderabad
<input type="checkbox"/>	3	sandeep	General	25	ramanareddy	rangaredd,hy
<input type="checkbox"/>	4	abhi	General	34	balu	denton
<input type="checkbox"/>	5	abhi	General	34	balu	xyz
<input type="checkbox"/>	6	balu	General	54	chandu	hyd
<input type="checkbox"/>	7	balu	General	12	balu	zxcv
<input type="checkbox"/>	8	abhi	General	45	sadf	dfg
<input type="checkbox"/>	9	abhi	General	45	balu	asdf
<input type="checkbox"/>	10	balu	General	56	sdfgsgtrq	afddf
<input type="checkbox"/>	11	balu	General	4651	asdrfhndgh	sdfhfgds
<input type="checkbox"/>	12	chandu	General	24	adfkjbka	agsfdsa
*	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)

+ [table icon]	packagerequests
+ [table icon]	packages
+ [table icon]	readmission
+ [table icon]	receptionisthistory
+ [table icon]	relivedoctors
+ [table icon]	rooms
+ [table icon]	specialists
+ [table icon]	tax
+ [table icon]	user_details
+ [table icon]	packages
+ [table icon]	readmission
+ [table icon]	receptionisthistory
+ [table icon]	relivedoctors
+ [table icon]	rooms
+ [table icon]	specialists
+ [table icon]	tax
+ [table icon]	user_details
+ [table icon]	vendor
+ [table icon]	vendormedicines
+ [table icon]	wards
+ [table icon]	Views
+ [table icon]	Stored Procs
+ [table icon]	Functions
+ [database icon]	mysql
+ [database icon]	test

+ [table icon]	packagerequests
+ [table icon]	packages
+ [table icon]	readmission
+ [table icon]	receptionisthistory
+ [table icon]	relivedoctors
+ [table icon]	rooms
+ [table icon]	specialists
+ [table icon]	tax
+ [table icon]	user_details

Receptionist id	receptionistPreviousExp	receptionistprevious
1	3	Hannah Hospital
(NULL)	(NULL)	NA

id	pname	age	pid	email	mol
1	sandeep	25	3	sandeep@gmail.com	966
2	abhi	34	4	abhi@gmail.com	789
3	abhi	34	5	abhi@gmail.com	
4	balu	12	7	abc@abc.com	941
5	chandu	24	12	sdgaf@dsqvs.sdfsg	685
(NULL)	(NULL)	(NULL)	(NULL)	(NULL)	(NU

accname	packid	email	contact	durr
sanjeev	3	sandeep@gmail.com	9666463655	2022-04
sanjeev	4	abhi@gmail.com	7894561223	2022-04
sanjeev	5	abhi@gmail.com		2022-04
	6	balu@gmail.com	235475787	2022-04
sanjeev	7	abc@abc.com	941665118991	2022-04
gopi	12	sdgaf@dsqvs.sdfsg	6854168532165	2022-04
(NULL)	(NULL)	(NULL)	(NULL)	(NULL)

- + hospitalmanagement
- + packagerequests
- + packages
- + readmission
- + receptionisthistory
- + relivedoctors
- + rooms
- + specialists
- + doctors
 - empsalary
 - + Columns
 - + Indexes
 - + Triggers
- + hospitalmanagement
- + packagerequests
- + packages

☐ Show All or Limit

	UserId	UserName	UserRole	UserExp	UserAge	U
<input type="checkbox"/>	1	narayan	CEO	27	54	
<input type="checkbox"/>	2	bindu	Cardio Chief	25	40	
<input type="checkbox"/>	3	raj	HR	25	39	
<input type="checkbox"/>	4	kumar	Chief Neutologist	26	41	
*	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)	

1 Result 2 Messages 3 Table Data

☐ Show All or Limit

	empid	role	joining date	salary
<input type="checkbox"/>	1	Doctor	2005-06-10	15000
<input type="checkbox"/>	2	Doctor	2015-02-07	12500
*	(NULL)	(NULL)	(NULL)	(NULL)

- doctors
 - Columns
 - Indexes
 - Triggers
- empsalary
- hospitalmanagement
- packagerequests
- packages
- readmission
- receptionisthistory
- relivedoctors
- rooms
- specialists
- tax
- user_details
- vendor
- vendormedicines
- wards
- Views
- Stored Procs
- Functions
- mysql
- test

- doctorpasthistory
 - Columns
 - Indexes
 - Triggers
- doctors
- empsalary
- hospitalmanagement
- packagerequests
- packages

1 Result 2 Messages 3 Table Data 4 Objects 5 H

Show All or Limit 0 50 Refresh

id	name	age	gender	email	pass
1	sanjeev	25	male	sanjeev@gmail.com	sanj
2	gopi	70	male	gopi@gmail.com	gopi
*	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)

1 Result 2 Messages 3 Table Data 4 Objects 5 Hi

Show All or Limit 0 50 Refresh

Id	previous hospital	previous experience	previous s
1	Yashoda	15	Jane
2	Bindu	10	Malini
*	(NULL)	NA	(NULL)

- department
 - + Columns
 - + Indexes
 - + Triggers
- + doctorpasthistory
- + doctors
- + empsalary
- + hospitalmanagement
- + packagerequests
- + packages
- bills
 - + Columns
 - + Indexes
 - + Triggers
- + department
- + doctorpasthistory
- + doctors
- + empsalary
- + hospitalmanagement
- + packagerequests
- + packages
- + readmission
- admit
 - + Columns
 - + Indexes
 - + Triggers
- + bills
- + department
- + doctorpasthistory
- + doctors
- + empsalary
- + hospitalmanagement
- + packagerequests
- + packages
- + readmission
- + receptionisthistory
- + relivedoctors
- + rooms
- + specialists
- + tax
- + user_details

<

1 Result 2 Messages 3 Table

Show All or Limit 0

	name	password	ID
<input type="checkbox"/>	cardio	cardio	1
<input type="checkbox"/>	Gynic	Gynic	2
*	(NULL)	(NULL)	(NULL)

	name	password	ID
<input type="checkbox"/>	cardio	cardio	1
<input type="checkbox"/>	Gynic	Gynic	2
*	(NULL)	(NULL)	(NULL)

<

1 Result 2 Messages 3 Table Data 4 Objects 5 His

Show All or Limit 0 50 Refresh

	Bill_ID	patient_ID	Doctor_name	CardNumber	cvvnumber
<input type="checkbox"/>	1	3	sanjeev	3453464235345	
<input type="checkbox"/>	2	1	gopi	6854168531651	
*	(NULL)	(NULL)	(NULL)	(NULL)	(NU

	Bill_ID	patient_ID	Doctor_name	CardNumber	cvvnumber
<input type="checkbox"/>	1	3	sanjeev	3453464235345	
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*	(NULL)	(NULL)	(NULL)	(NULL)	(NU

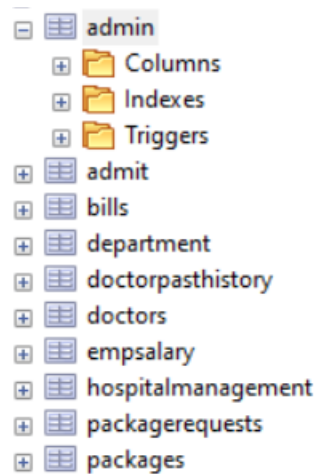
<

1 Result 2 Messages 3 Table Data 4 Objects 5 His

Show All or Limit 0 50 Refresh

	id	pid	rid	wid	totalcharges	status
<input type="checkbox"/>	6	1012	89	34656	1018	YES
<input type="checkbox"/>	8	1013	89	34656	1018	YES
<input type="checkbox"/>	9	1016	32	34656	263	YES
<input type="checkbox"/>	10	3	101	201	1038	complete
<input type="checkbox"/>	11	4	100	201	450	YES
<input type="checkbox"/>	12	5	100	201	450	YES
<input type="checkbox"/>	13	7	100	201	450	YES
<input type="checkbox"/>	14	12	100	201	450	YES
*	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)

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<input type="checkbox"/>	13	7	100	201	450	YES
<input type="checkbox"/>	14	12	100	201	450	YES
*	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)



	username	password	Id
<input type="checkbox"/>	Sarah	admin	1
<input type="checkbox"/>	Rebekah	rebekah	2
*	(NULL)	(NULL)	(NULL)

The functionality of each module has been explained here:

Patient:

The Main role of the Patient table is to:

1. Patient has the access to create patient (create_patient) and enter all the information needed and register by himself.
2. Patient can view Patient portal with his credentials (Username and Password)
3. Patient can retrieve his data by accessing view_profile option.
4. New Appointment can be created by patient after logging into patient table.
5. Logout option is provided so that the patient can logout from the current session.

Admin:

The function of Admin is:

1. Admin need to login with valid credentials.
2. Admin has a role to create Doctor with all the basic doctor information.
3. Admin can view the list of doctors in the organization.
4. Admin can delete a doctor.

5. Admin has the access to create new specialists with all their professional details.
6. Admin can view the specialists and also delete them.
7. Admin can also check the appointments scheduled by the Patients based on their preferred timings.
8. Admin can also logout from his current session.

Doctor:

The functions of Doctor are:

1. Doctors need to login with their credentials in the doctor portal. (Existing doctor can only login).
2. Doctor can check the appointments by selecting the preferred time.
3. Doctor can view the re-admissions by calling the re-admission function.
4. Logout option is available for doctor.

Doctors Records:

1. By using this function, we can view all the doctors available in the organization.
2. All the information of doctor can be visible here for the list of doctors.
3. We cannot delete a doctor, to delete a doctor we need to login from admin portal.

Departments:

1. To login to department we need existing department credentials.
2. Admin has right to create department.
3. Department can view details to which room and ward the patient has been assigned and also the bill generated on the patients name by taking (Patient_id,room_number and ward_number) into consideration.
4. Department can admit patient after finalizing all the details.
5. Patients Bills can be retrieved by using patient_id from the department portal.
6. Room wise bills and ward wise bills can be retrieved by department table.
7. Logout option is available for department table.

Management:

1. Here all the leads, chiefs and heads will be coming under the Management team.
2. We can see all the data of entire organization.
3. This has the old employee information also.
4. The table has all employee details such has email,phone,address etc.

Queries for all functionalities that has been used in the project:

Patient:

Insert Into Patient:

```
("INSERT INTO user_details VALUES  
('"+unamee+"','"+password+"','"+question+"','"+answer+"','"+address+"','"+mobile+"','"+age+"','"+gender+"',?,""+email+"','"+u3+"");
```

Retrive Patient details:

Select * from user_details;

UPDATE user_details SET unamee='xxxx', password='xxx', age='xx', gender='xx' WHERE user_id=123;

Appointment:

Insert into readadmission

```
(pname,age,pid,email,mobile,sub,drugdetails,dunit,sideeffect,dosf,stdate,endate,dstatus,parents,address,treatment,diseasesp,conditions,labreports  
,ptype,blood,symptoms,status,rcount) VALUES ('abc',23,'xxx',.....);
```

Retrieveadmission details:

Select * from readadmission;

Update Admission details:

UPDATE readadmission SET pname='xxxx', email='xxx', age='xx', sub='xx' WHERE pid=111;

Retrieve admission on preferred date:

Select * from readadmission where preferredDate BETWEEN 'xxxxx' AND 'xxxxx';

Doctor:

Select * from doctors;

Update Doctors:

Update doctos SET name='xxx', age=23, WHERE doc_id=123;

Select * from specilaists;

Update specilaists:

Update doctos SET name='xxx', age=23,..... WHERE spec_id=123;

Admin:

INSERT into admin (name,password) VALUES ('admin','password');

Doctor creation:

INSERT INTO doctors (name,age,experience,email,mobile,.....) VALUES ('abc','bcd','aaa','.....');

Specialists Creation :

INSERT INTO specilaists (name,age,experience,email,mobile,.....) VALUES ('abc','bcd','aaa','.....');

Delete specialists:

DELETE from doctors WHERE spec_id=123

Delete Doctors:

DELETE from doctors WHERE doc_id=123;

Department:

Insert into department (uname,password) values ('xxx','xx');

Insert into wards (wname,wtype,organizer,...) VALUES ('xxx','xxx',...);

Bills:

Select * from bills WHERE patient_id(xxx);

Active Doctor:

Select * from doctors WHERE status= 'ACTIVE';

And other queries used in the Project are:

"select * from packages where name='"+b+"'";

"select * from packagerequests where packid='"+kk+"' and patientname='"+b+"'";

```

"select * from readmission where status='Discharge' and pid='"+pid+"'";

"select * from admit where status='YES' and pid='"+pid+"'";

"select * from packagerequests where status='Discharge' and packid='"+pid+"'";

"select * from packagerequests where status='PAYMENT'";

"select * from PackageRequests where accname='"+memo+"' and status='Processing' and packid='"+address+"'";

"select * from doctors where specialist='"+kk+"'";

"select * from doctors where location='"+kk+"'";

"select * from packages where timing='"+start+"' and type='"+question+"' and exstart='"+sexram+"'";

("select * from hospitalmanagement");

"select * from readmission where status='Discharge'";

"select * from readmission where status='Discharge' and pid='"+pid+"'";

"select * from user_details where userid='"+a+"'";


String query="select * from rooms where id='"+pid+"'";

("select * from packages where exstart BETWEEN '"+startDate+"' and '"+endDate+"'");

("select * from readmission where status='readmission'");

("select * from readmission where pid='"+pid+"' and status='readmission' or status='NO'");

"insert into bills(patient_ID,Doctor_name,CardNumber, cvvnumber,expiry,Bill_Date,TotalAmount,bankname) values(?,?,?,?,?,?,?)";


("INSERT INTO PackageRequests values
('"+uname+"','"+address+"','"+email+"','"+mobile+"','"+age+"','"+gender+"','"+total+"','"+sss+"','"+dayy+"','"+month+"','"+rel+"','"+u3+"','"+total+
l+"','"+bala... [position 107:44]

("INSERT INTO packages VALUES
('"+t1+"','"+t2+"','"+t3+"','"+t4+"','"+t5+"','"+t6+"','"+t7+"','"+t8+"','"+t9+"','"+t10+"",?,""+t12+"','"+t13+"','"+t15+"','"+t16+"','"+t17+"','"+g+"','"+
doo+"','"+mo... [position 69:46]

("INSERT INTO
readmission(pname,age,pid,email,mobile,sub,drugdetails,dunit,sideeffect,dosf,stddate,enddate,dstatus,parents,address,treatment,diseasesp,conditio
ns,labreports,ptype,blood,symptoms,status,rcount) values...

("INSERT INTO bookings values('"+monday2+"','"+monday+"','"+xop+"','"+total+"','"+total+"','"+total+"','"+msg+"','"+sum+"')");

("INSERT INTO doctors VALUES
('"+u3+"','"+unamee+"','"+question+"','"+answer+"','"+address+"','"+mobile+"','"+age+"','"+gender+"",?,""+email+"','"+fee+"','"+experience+"','"+
spec...

("INSERT INTO
rooms(id,charges,rtype,organizer,regdate,rname)values('"+name+"','"+uname+"','"+pass+"','"+mail+"','"+mailp+"','"+rname+"')");

("INSERT INTO specialists VALUES
('"+u3+"','"+unamee+"','"+question+"','"+answer+"','"+address+"','"+mobile+"','"+age+"','"+gender+"','"+experience+"",?,""+fee+"','"+specialist

("INSERT INTO user_details VALUES
('"+unamee+"','"+password+"','"+question+"','"+answer+"','"+address+"','"+mobile+"','"+age+"','"+gender+"",?,""+email+"','"+u3+"')");

("INSERT INTO
wards(id,charges,wtype,organizer,regdate,wname)values('"+name+"','"+uname+"','"+pass+"','"+mail+"','"+mailp+"','"+rname+"')");

```

Final Execution output screenshots:

I have attached in the ZIP file as it is taking more space here, please have a look.