



VIKAS- The Concept School

Off Miyapur, Bachupally, Hyderabad-500090

Phones-040-23046464, 23042966, 64575998, 924779984

INFORMATICS PRACTICES PROJECT

XII

Prepared by

Yashaswi Siddharth

Ankit Pachipulusu

Jitender Reddy



VIKAS- The Concept School
Off Miyapur, Bachupally, Hyderabad-500090
Phones-040-23046464,23042966, 64575998, 924779984

INFORMATICS PRACTICES PROJECT REPORT 2017-2018

Name :

Class :

Reg.no :

External examiner

Staff Member Incharge

Head of the Department



VIKAS- The Concept School
Off Miyapur, Bachupally, Hyderabad-500090
Phones-040-23046464,23042966, 64575998, 924779984

DEPARTMENT OF COMPUTER SCIENCE

CERTIFICATE

This is to certify that, this is the bonafied record of project work done in Laboratory during the academic year 2017 to 2018 by Mr/Ms of class XII with Registration No
.....

External examiner

Staff Member Incharge

Head of the Department

ACKNOWLEDGEMENT

It is with great pleasure that I find myself penning down these lines to express my sincere thanks to various people who helped me a long way in completing this project.

The harmonious climate in our school provided proper guide for preparing the project. It was a privilege to have been guided by Ms.P.DHANYA BHARGAVI.

I would also like to extend my gratitude to all my faculty for helping me to complete my project successfully.

Thanks to all my classmates who helped me during the development of this project with their constructive criticism and advice.

Name of the Student

HOSPITAL MANAGEMENT SYSTEM

Abstract

Hospital Management System helps the user to manage a Hospital by allowing patients to book appointments, view their reports, manage their prescriptions etc. and helps Doctors to manage the patient details, generate reports etc. on a user-friendly interface.

Specifications

- When a doctor clicks on register doctor button, he/she can enroll themselves as a doctor.
- When a patient clicks on register patient button, he/she can enroll themselves as a patient.
- When a doctor clicks on doctor login button, he/she can log themselves in as a doctor.
- When a patient clicks on patient login button, he/she can log themselves in as a patient.

Requirements

Software Requirements:

- IDE : NetBeans 8.0.2
- Database : MySql 5.2
- Operating System : Any Platform

Hardware Requirements:

- RAM : 512MB
- Hard Disk : 1024 MB
- Processor : From Inter Pentium-3

Modules

We have 2 major Modules:

1. Register Module:

This module allows the patient/doctor to register themselves in the system interface.

2. Login Module:

This module allows the patients/doctors to log in with their credentials and manage their details.

Step Wise Application Development:

1. Problem Identification
2. Database Design & Front end Design
3. Front End and Back End Connections
4. Source Code Development
5. Testing
6. Executing

Step 1:- The problem is identified. It's economic and technical feasibility are discussed. It is found that the application development and implementation are technically and economically feasible.

Step 2:- Create a database in MySql with the name 'hms'. By using that database and create table with the names appointment,doc,drugs,hupdates,his,leaves,pat,payment,report.

The following is the data about the tables and the description of the tables.

```
mysql> use hms;
Database changed
mysql> show tables;
+-----+
| Tables_in_hms |
+-----+
| appointments |
| doc          |
| drugs        |
| hupdates     |
| his          |
| leaves       |
| payment      |
| report       |
| update       |
```

```
| pat      |
| payment |
| reports |
+-----+
9 rows in set (0.00 sec)
```

```
mysql> desc appointements;
```

Field	Type	Null	Key	Default	Extra
name	varchar(30)	YES		NULL	
age	int(11)	YES		NULL	
dept	varchar(30)	YES		NULL	
date	date	YES		NULL	
time	time	YES		NULL	

```
5 rows in set (0.00 sec)
```

```
mysql> desc doc;
```

Field	Type	Null	Key	Default	Extra
docid	int(11)	YES		NULL	
password	varchar(30)	YES		NULL	
departement	varchar(30)	YES		NULL	
name	varchar(30)	YES		NULL	

```
4 rows in set (0.00 sec)
```

```
mysql> desc drugs;
+-----+-----+-----+-----+
| Field | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+
| sno   | int(11)   | YES  |     | NULL    |       |
| dnamne | varchar(30) | YES  |     | NULL    |       |
| dosage | varchar(30) | YES  |     | NULL    |       |
+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

```
mysql> desc pat;
+-----+-----+-----+-----+
| Field | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+
| patid | int(11)   | YES  |     | NULL    |       |
| password | varchar(30) | YES  |     | NULL    |       |
| name   | varchar(30) | YES  |     | NULL    |       |
+-----+-----+-----+-----+
3 rows in set (0.02 sec)
```

```
mysql> desc hupdates;
+-----+-----+-----+-----+
| Field | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+
| updates | varchar(250) | YES  |     | NULL    |       |
+-----+-----+-----+-----+
1 row in set (0.00 sec)
```

```
mysql> desc payment;
+-----+-----+-----+-----+
| Field | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+
| cardno | varchar(16) | YES |     | NULL    |       |
+-----+-----+-----+-----+
1 row in set (0.00 sec)
```

```
mysql> desc leaves;
+-----+-----+-----+-----+
| Field | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+
| fromdate | date     | YES |     | NULL    |       |
| todate   | date     | YES |     | NULL    |       |
| reason   | varchar(30) | YES |     | NULL    |       |
+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

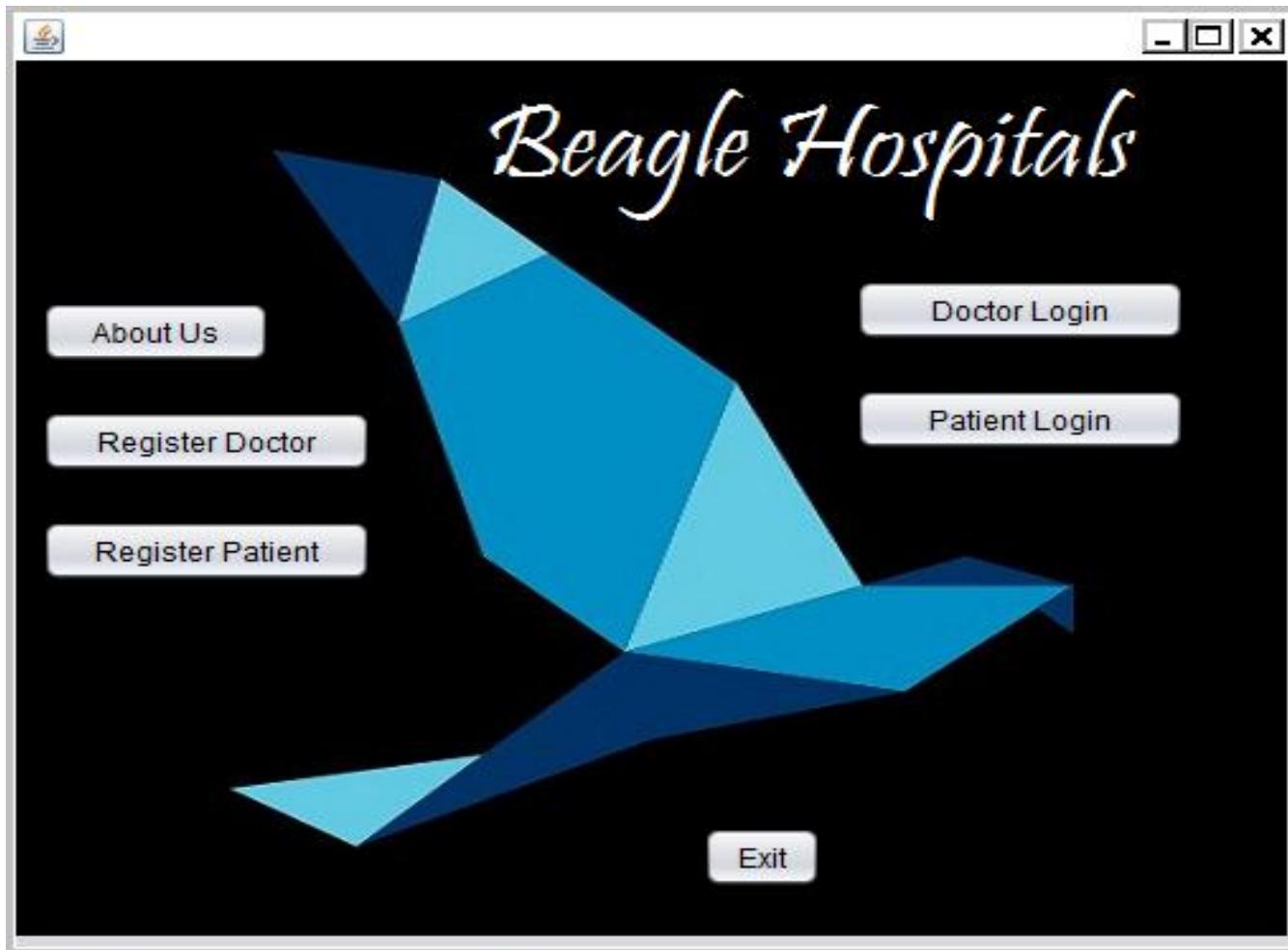
```
mysql> desc ihs;
+-----+-----+-----+-----+
| Field | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+
| floor | int(11) | YES |     | NULL    |       |
| room  | int(11) | YES |     | NULL    |       |
| patid | int(11) | NO  | PRI |         |       |
+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

```
mysql> desc reports;
```

Field	Type	Null	Key	Default	Extra
doc	varchar(30)	YES		NULL	
patid	int(11)	YES		NULL	
diagnosis	varchar(250)	YES		NULL	
eu	varchar(50)	YES		NULL	
drugs	varchar(250)	YES		NULL	

```
5 rows in set (0.01 sec)
```

Front End Design:-



Step 3:-

Front End:

- Open NetBeans IDE
- In the design view of NetBeans, design the form with the appropriate labels, fields and buttons.

Back End Connections:

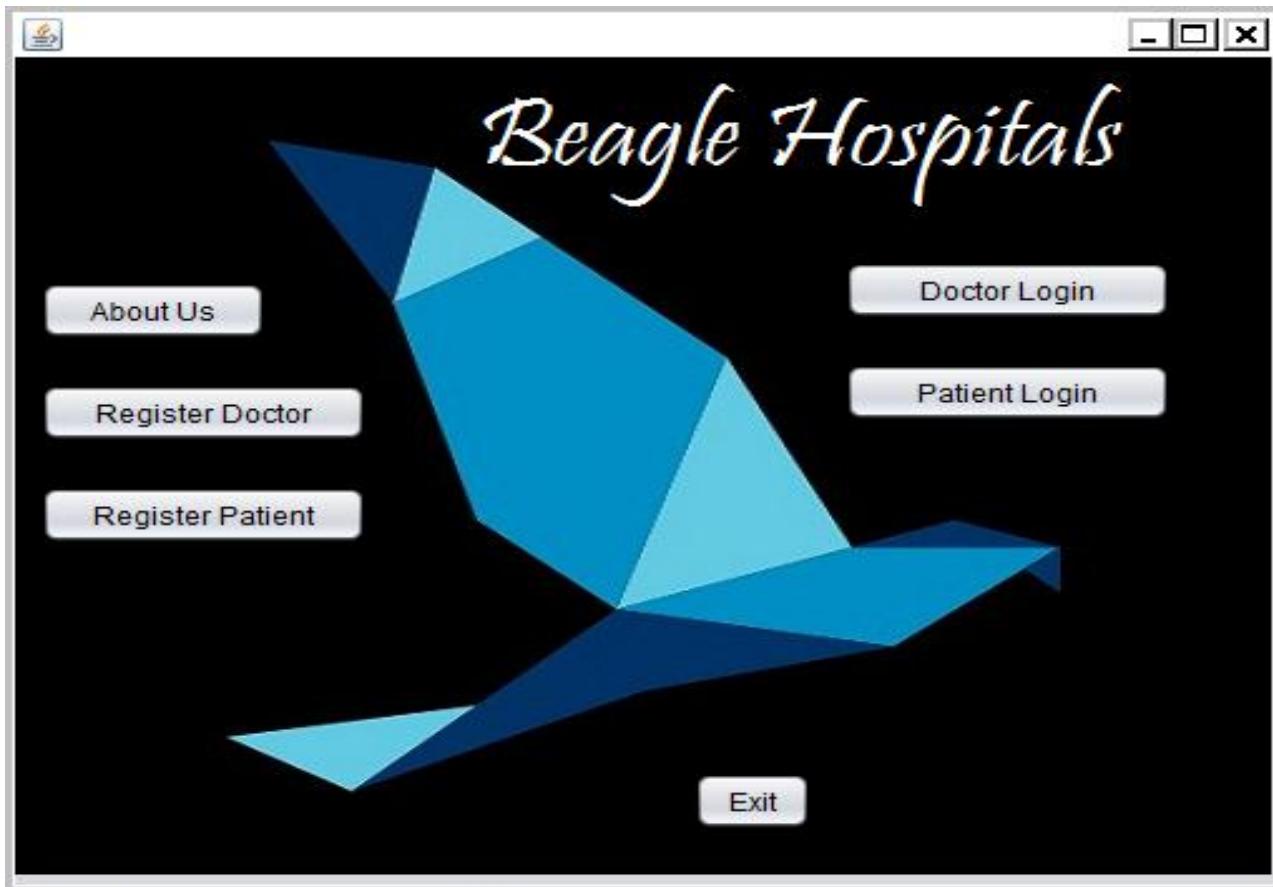
- Right click on the project -> click on properties -> In the project properties dialog box -> choose libraries option in the categories pane ->click on add library button -> From the add library dialog box choose the MYSQL JDBC Driver -> click on create button.
- Load the JDBC driver class by using Class.forName.

- Create connection to back end by giving the URL, username and password.
- Create the statement object.
- Execute the statement.

Step 4:-

Source Code:

FRAME 1:-



Code for Exit button:

```
System.exit(1);
```

Code for About Us button:

```
BD_ABOUT_US forward = new BD_ABOUT_US();
forward.setVisible(true);
this.dispose();
```

Code for Register Doctor button:

```
BD_registerDoc forward = new BD_registerDoc();
    forward.setVisible(true);
    this.dispose();
```

Code for Register Patient button:

```
BD_registerPat forward = new BD_registerPat();
    forward.setVisible(true);
    this.dispose();
```

Code for Doctor Login button:

```
Doc_login forward = new Doc_login();
    forward.setVisible(true);
    this.dispose();
```

Code for Patient Login button:

```
BD_registerPat forward = new BD_registerPat();
    forward.setVisible(true);
    this.dispose();
```

Code for Variables:

```
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton2;
private javax.swing.JButton jButton3;
private javax.swing.JButton jButton4;
private javax.swing.JButton jButton5;
private javax.swing.JButton jButton6;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel3;
private javax.swing.JPanel jPanel1;
```

FRAME 2:-



Source Code for Submit button

```
String password,cpassword;
password = new String( jPasswordField2.getPassword());
cpassword = new String( jPasswordField3.getPassword());
if (password.equals(cpassword))
{
    String name, docid,dept;
    name = jTextField1.getText();
    docid = jTextField3.getText();
    password = new String( jPasswordField2.getPassword());
    dept = (String) jComboBox6.getSelectedItem();
    try
    {
```

```
Class.forName("com.mysql.jdbc.Driver");
Connection con = (Connection)
DriverManager.getConnection("jdbc:mysql://localhost:3306/hms",
"root", "123456");
Statement stmt = (Statement) con.createStatement();
String query = "insert into doc values('"+docid+"',
"+password+", '"+dept+"', '"+name+"')";
stmt.executeUpdate(query);
con.close();
}
catch(Exception e)
{
JOptionPane.showMessageDialog(this, e.getMessage());
}
JOptionPane.showMessageDialog(this, "Registration Successful.");
");
}
else
JOptionPane.showMessageDialog(this,"Passwords don't
Match");
```

Code for Back button:

```
BD_WELCOME back = new BD_WELCOME();
back.setVisible(true);
this.dispose();
```

Code for Variables:

```
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton2;
private javax.swing.JComboBox jComboBox6;
```

```
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JPanel jPanel1;
private javax.swing.JPasswordField jPasswordField2;
private javax.swing.JPasswordField jPasswordField3;
private javax.swing.JTextField jTextField1;
private javax.swing.JTextField jTextField3;
```

FRAME 3:-



Code for Submit button:

```
String edocid = jTextField1.getText(), epassword = new
String(jPasswordField2.getPassword());
String docid = "", password = "";
```

```
int i = 0;
try
{
    Class.forName("com.mysql.jdbc.Driver");
    Connection con = (Connection)
DriverManager.getConnection("jdbc:mysql://localhost:3306/hms",
"root", "123456");
    Statement stmt = (Statement) con.createStatement();
    String query = "select docid, password from doc where docid
= '"+edocid+"' ";
    ResultSet rs = stmt.executeQuery(query);
    while(rs.next())
    {
        i = 1;
        docid = rs.getString("docid");
        password = rs.getString("password");
        if(docid.equalsIgnoreCase(edocid) &&
password.equals(epassword))
        {
            DocForum forward = new DocForum();
            JOptionPane.showMessageDialog(this, "Login Successful.
");
            forward.setVisible(true);
            this.dispose();
            break;
        }
    else
```

```
        JOptionPane.showMessageDialog(this,  
        "Username?Password incorrect. ");  
    }  
    if(i == 0)  
    {  
        JOptionPane.showMessageDialog(this,  
        "Username/Password incorrect.");  
    }  
    con.close();  
}  
catch(Exception e)  
{  
    JOptionPane.showMessageDialog(this, e.getMessage());  
}
```

Code for Back button:

```
BD_WELCOME back = new BD_WELCOME();  
back.setVisible(true);  
this.dispose();
```

Code for Variables:

```
private javax.swing.JButton jButton1;  
private javax.swing.JButton jButton2;  
private javax.swing.JLabel jLabel1;  
private javax.swing.JLabel jLabel2;  
private javax.swing.JLabel jLabel3;  
private javax.swing.JLabel jLabel4;  
private javax.swing.JPanel jPanel1;  
private javax.swing.JPasswordField jPasswordField2;  
private javax.swing.JTextField jTextField1;
```

FRAME 4:-



Code Appointment Manager button:

```
Doc_App_Manager forward = new Doc_App_Manager();  
forward.setVisible(true);  
this.dispose();
```

Code Apply for leave button:

```
Doc_LEAVE forward = new Doc_LEAVE();  
forward.setVisible(true);  
this.dispose();
```

Code for make a report button:

```
Doc_Hosp_Updates forward = new Doc_Hosp_Updates();  
forward.setVisible(true);  
this.dispose();
```

Code for enter IHS button:

```
Doc_eIHS forward = new Doc_eIHS();
forward.setVisible(true);
this.dispose();
```

Code for Hospital Updates button:

```
Doc_Hosp_Updates forward = new Doc_Hosp_Updates();
forward.setVisible(true);
this.dispose();
```

Code for variables:

```
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton2;
private javax.swing.JButton jButton3;
private javax.swing.JButton jButton4;
private javax.swing.JButton jButton5;
private javax.swing.JButton jButton6;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JLabel jLabel8;
private javax.swing.JLabel jLabel9;
private javax.swing.JPanel jPanel1;
```

Frame 4A:-



Code for Show appointments button:

```
DefaultTableModel model= (DefaultTableModel)jTable1.getModel();  
String dept=jComboBox6.getSelectedItem().toString() ;  
try  
{  
    Class.forName("com.mysql.jdbc.Driver");  
    Connection con = (Connection)  
DriverManager.getConnection("jdbc:mysql://localhost:3306/hms",  
"root", "123456");  
    Statement stmt = (Statement) con.createStatement();  
    String query = "select * from appointments where  
dept='"+dept+"';"  
    ResultSet rs = stmt.executeQuery(query);  
    while(rs.next())  
    {  
        String name = rs.getString("name");
```

```
        String age = rs.getString("age");
        String date = rs.getString("date");
        String time= rs.getString("time");
        model.addRow(new Object[] {name,age,date,time});
    }

    con.close();
}

catch(Exception e)
{
    JOptionPane.showMessageDialog(this, e.getMessage());
}
```

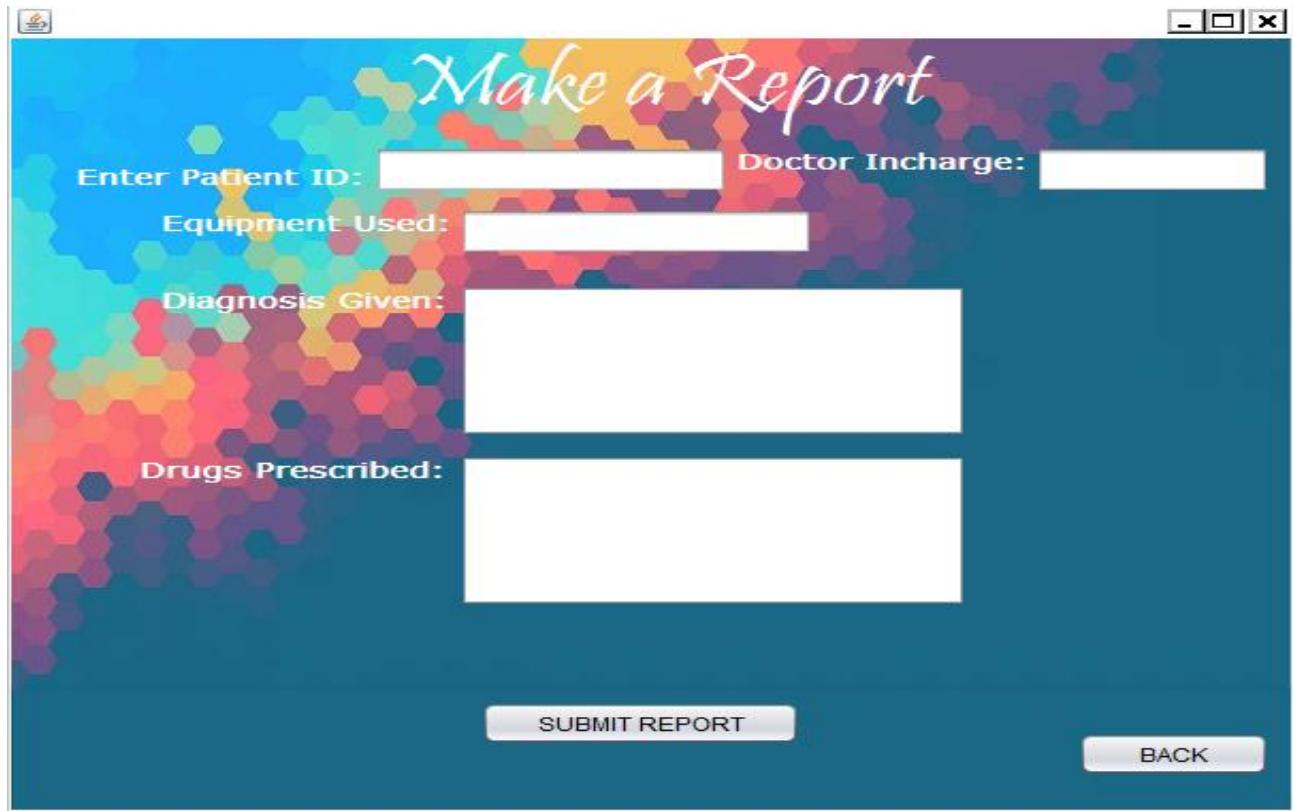
Code for Back button:

```
DocForum back = new DocForum();
back.setVisible(true);
this.dispose();
```

Code for Variables:

```
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton2;
private javax.swing.JComboBox jComboBox6;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel4;
private javax.swing.JPanel jPanel1;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JTable jTable1;
```

FRAME 4B:-



Code for Submit Report button:

```
String patid=jTextField1.getText();
String diagnosis=jTextArea2.getText();
String eu=jTextField2.getText();
String doc=jTextField3.getText();
String drugs= jTextArea3.getText();
try
{
    Class.forName("com.mysql.jdbc.Driver");
    Connection con = (Connection)
DriverManager.getConnection("jdbc:mysql://localhost:3306/hms",
"root", "123456");
    Statement stmt = (Statement) con.createStatement();
    String query = "insert into reports values('"+doc+"',
"+patid+", '"+diagnosis+"', '"+eu+"', '"+drugs+"')";
```

```
stmt.executeUpdate(query);
con.close();
}
catch(Exception e)
{
    JOptionPane.showMessageDialog(this, e.getMessage());
}
JOptionPane.showMessageDialog(this, "Report saved. ");
```

Code for back button:

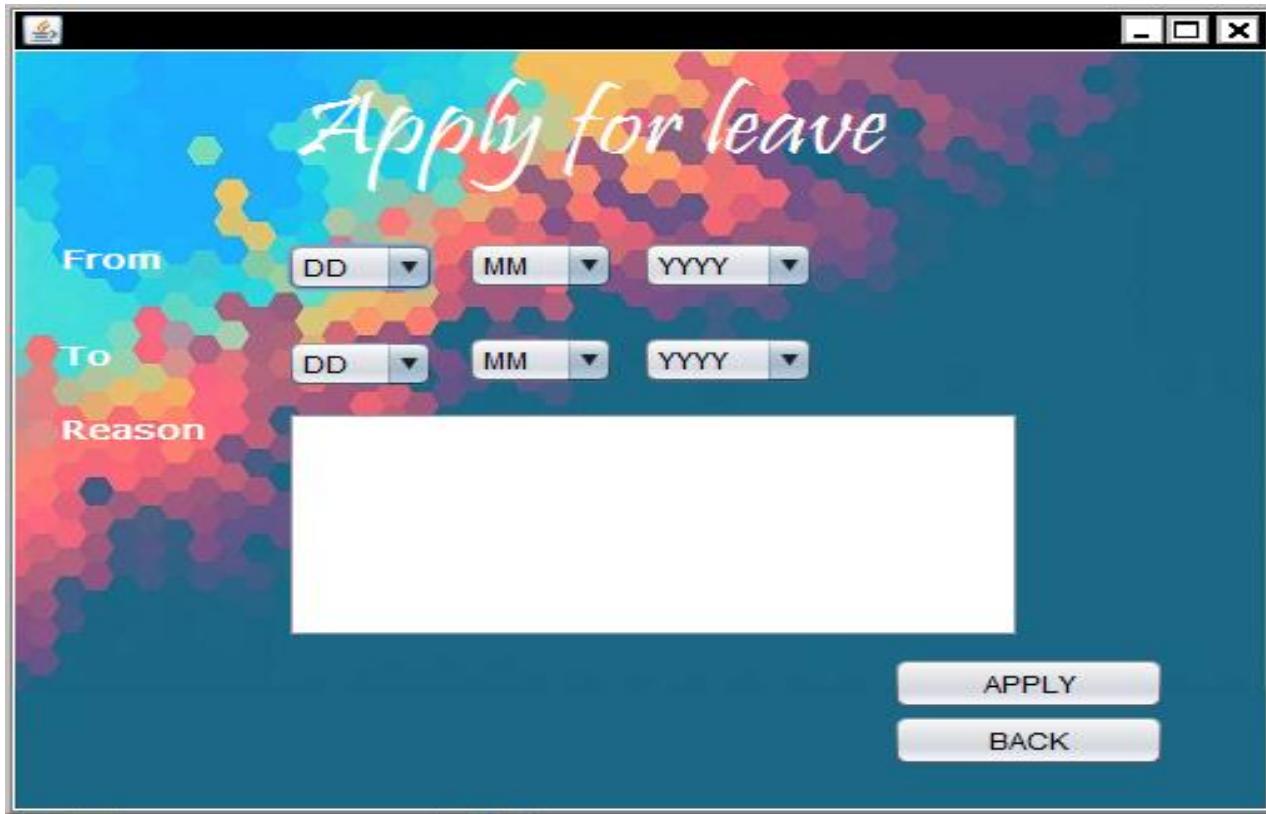
```
DocForum back=new DocForum();
back.setVisible(true);
this.dispose();
```

Code for variables:

```
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton3;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JLabel jLabel8;
private javax.swing.JPanel jPanel1;
private javax.swing.JScrollPane jScrollPane3;
private javax.swing.JScrollPane jScrollPane4;
private javax.swing.JTextArea jTextArea2;
private javax.swing.JTextArea jTextArea3;
private javax.swing.JTextField jTextField1;
```

```
private javax.swing.JTextField jTextField2;  
private javax.swing.JTextField jTextField3;
```

FRAME 4C:-



Code for Apply button:

```
String dfrom = jComboBox3.getSelectedItem().toString() + "-" +  
jComboBox2.getSelectedItem().toString() + "-" +  
jComboBox1.getSelectedItem().toString();  
  
String dto = jComboBox6.getSelectedItem().toString() + "-" +  
jComboBox5.getSelectedItem().toString() + "-" +  
jComboBox4.getSelectedItem().toString();  
  
String reason = jTextArea1.getText();  
  
if(jComboBox1.getSelectedIndex() == 0 &&  
jComboBox2.getSelectedIndex() == 0 &&  
jComboBox3.getSelectedIndex() == 0 &&  
jComboBox4.getSelectedIndex() == 0 &&
```

```

jComboBox5.getSelectedIndex() == 0 &&
jComboBox6.getSelectedIndex() == 0)
    JOptionPane.showMessageDialog(this, "Enter the date. ");
try
{
    Class.forName("com.mysql.jdbc.Driver");
    Connection con = (Connection)
DriverManager.getConnection("jdbc:mysql://localhost:3306/hms",
"root", "123456");
    Statement stmt = (Statement) con.createStatement();
    String query = "insert into leaves values('" + dfrom +
"'" + dto + "','" + reason + "');");
    stmt.executeUpdate(query);
    JOptionPane.showMessageDialog(this, "Leave request applied.
");
    con.close();
}
catch(Exception e)
{
    JOptionPane.showMessageDialog(this, e.getMessage());
}

```

Code for back button:

```

DocForum back=new DocForum();
back.setVisible(true);
this.dispose();

```

Code for variables:

```
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton2;
private javax.swing.JComboBox jComboBox1;
private javax.swing.JComboBox jComboBox2;
private javax.swing.JComboBox jComboBox3;
private javax.swing.JComboBox jComboBox4;
private javax.swing.JComboBox jComboBox5;
private javax.swing.JComboBox jComboBox6;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JPanel jPanel1;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JTextArea jTextArea1;
```

FRAME 4D:-



Code for back Button :

```
DocForum back =new DocForum();
back.setVisible(true);
this.dispose();
```

Code for Variables:

```
private javax.swing.JButton jButton1;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JPanel jPanel1;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JTextArea jTextArea1;
```

FRAME 4E:-



Code for Submit Button:-

```
String patid=jTextField3.getText();
String rno=jTextField1.getText();
String fno=jTextField2.getText();
try
{
    Class.forName("com.mysql.jdbc.Driver");
    Connection con = (Connection)
DriverManager.getConnection("jdbc:mysql://localhost:3306/hms",
"root", "123456");
    Statement stmt = (Statement) con.createStatement();
    String query = "insert into ihs values('"+fno+"', '"+rno+"',
"+patid+");";
    stmt.executeUpdate(query);
    con.close();
}

catch(Exception e)
{
    JOptionPane.showMessageDialog(this, e.getMessage());
}

JOptionPane.showMessageDialog(this, "IHS entered. ");
```

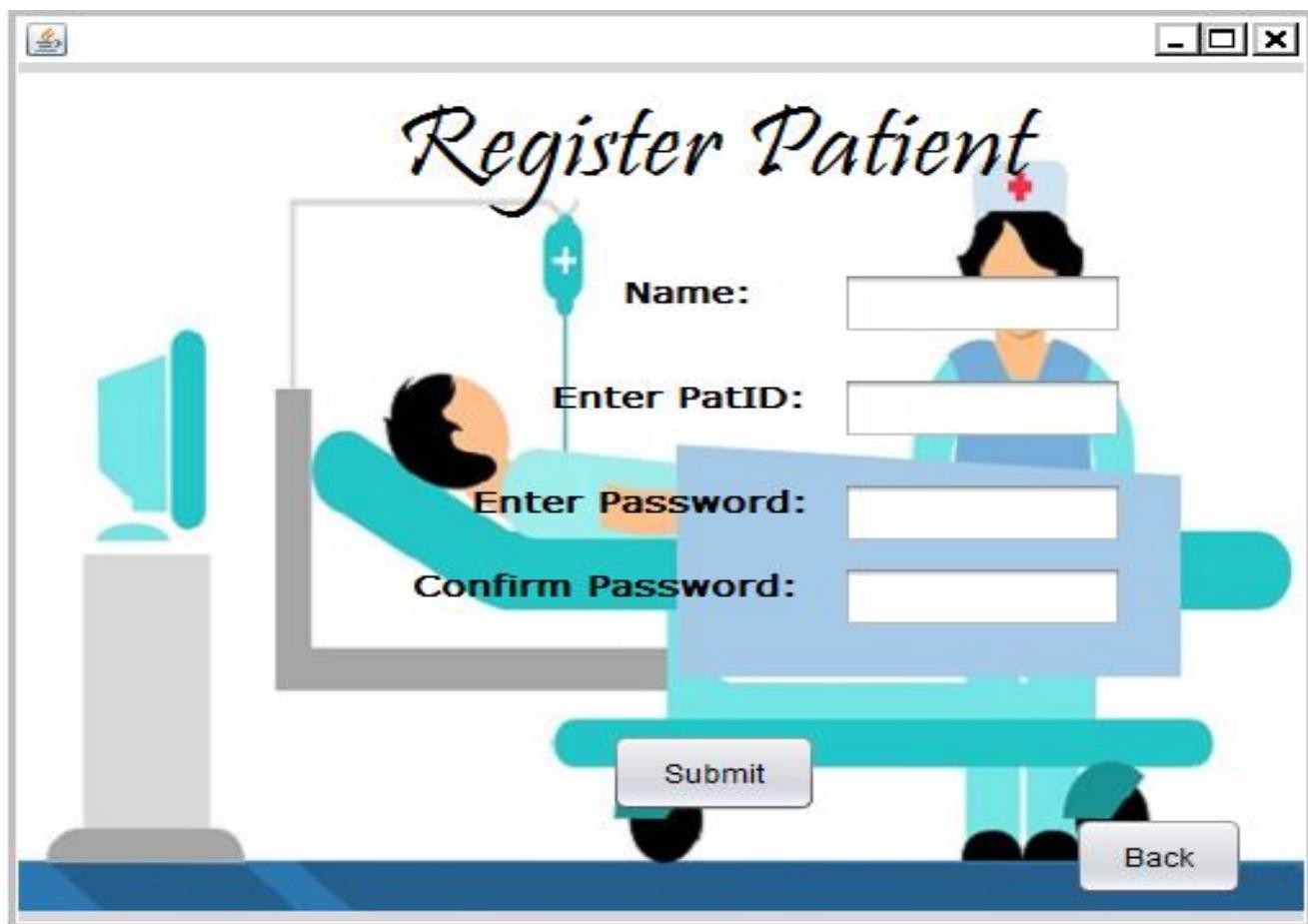
Code for Back Button:-

```
DocForum back=new DocForum();
back.setVisible(true);
this.dispose();
```

Code for Variables:

```
private javax.swing.JButton jButton1;  
private javax.swing.JButton jButton3;  
private javax.swing.JLabel jLabel1;  
private javax.swing.JLabel jLabel2;  
private javax.swing.JLabel jLabel4;  
private javax.swing.JLabel jLabel5;  
private javax.swing.JLabel jLabel6;  
private javax.swing.JPanel jPanel1;  
private javax.swing.JTextField jTextField1;  
private javax.swing.JTextField jTextField2;  
private javax.swing.JTextField jTextField3;
```

FRAME 5:-



Code for Submit Button:

```
String password,cpassword;
    password = new String( jPasswordField2.getPassword());
    cpassword = new String( jPasswordField1.getPassword());
    if (password.equals (cpassword))
    {
        String name, patid;
        name = jTextField1.getText();
        patid = jTextField3.getText();
        password = new String( jPasswordField2.getPassword());

        try
        {
            Class.forName("com.mysql.jdbc.Driver");
            Connection con = (Connection)
DriverManager.getConnection("jdbc:mysql://localhost:3306/hms",
"root", "123456");
            Statement stmt = (Statement) con.createStatement();
            String query = "insert into pat values('" +patid +",
" +password +", " +name +")";
            stmt.executeUpdate(query);
            con.close();
        }
        catch(Exception e)
        {
            JOptionPane.showMessageDialog(this, e.getMessage());
        }
    }
```

```
    }
    else
        JOptionPane.showMessageDialog(this,"Passwords don't match");
    JOptionPane.showMessageDialog(this, "Registration Successful. ");
}
```

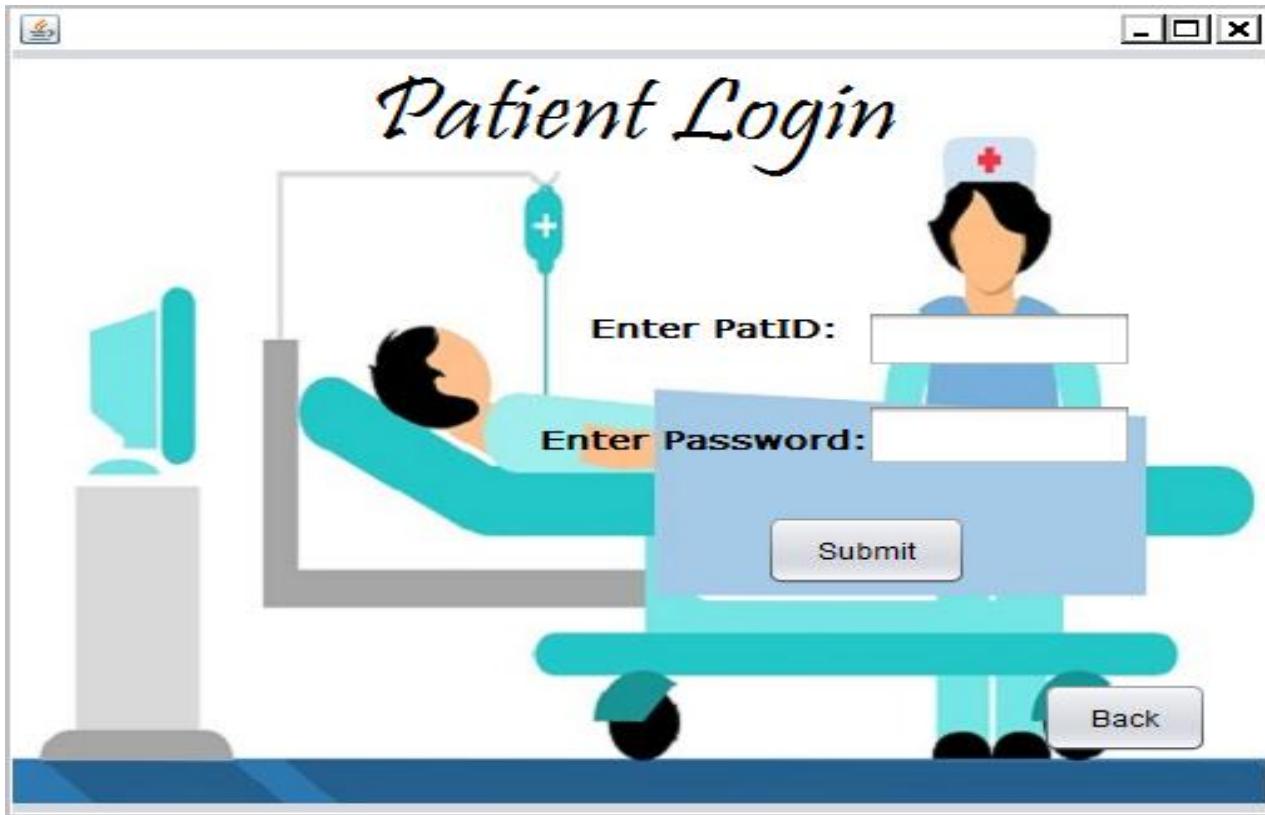
Code for Back Button:-

```
BD_Welcome back = new BD_Welcome();
back.setVisible(true);
this.dispose();
```

Code for Variables:

```
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton2;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JPanel jPanel1;
private javax.swing.JPasswordField jPasswordField1;
private javax.swing.JPasswordField jPasswordField2;
private javax.swing.JTextField jTextField1;
private javax.swing.JTextField jTextField3;
```

FRAME6:-



Code for Submit button:

```
String epatid = jTextField1.getText(), epassword = new  
String(jPasswordField2.getPassword());  
  
String patid = "", password = "";  
int i = 0;  
try  
{  
    Class.forName("com.mysql.jdbc.Driver");  
    Connection con = (Connection)  
DriverManager.getConnection("jdbc:mysql://localhost:3306/hms",  
"root", "123456");  
    Statement stmt = (Statement) con.createStatement();
```

```
String query = "select patid, password from pat where patid =
""+epatid+";";

ResultSet rs = stmt.executeQuery(query);
while(rs.next())
{
    i = 1;
    patid = rs.getString("patid");
    password = rs.getString("password");
    if(patid.equalsIgnoreCase(epatid) &&
password.equals(epassword))
    {
        Pat_Forum forward = new Pat_Forum();
        JOptionPane.showMessageDialog(this, "Login Successful.");
    }
    else
    {
        JOptionPane.showMessageDialog(this,
"Username/Password incorrect.");
        break;
    }
}
```

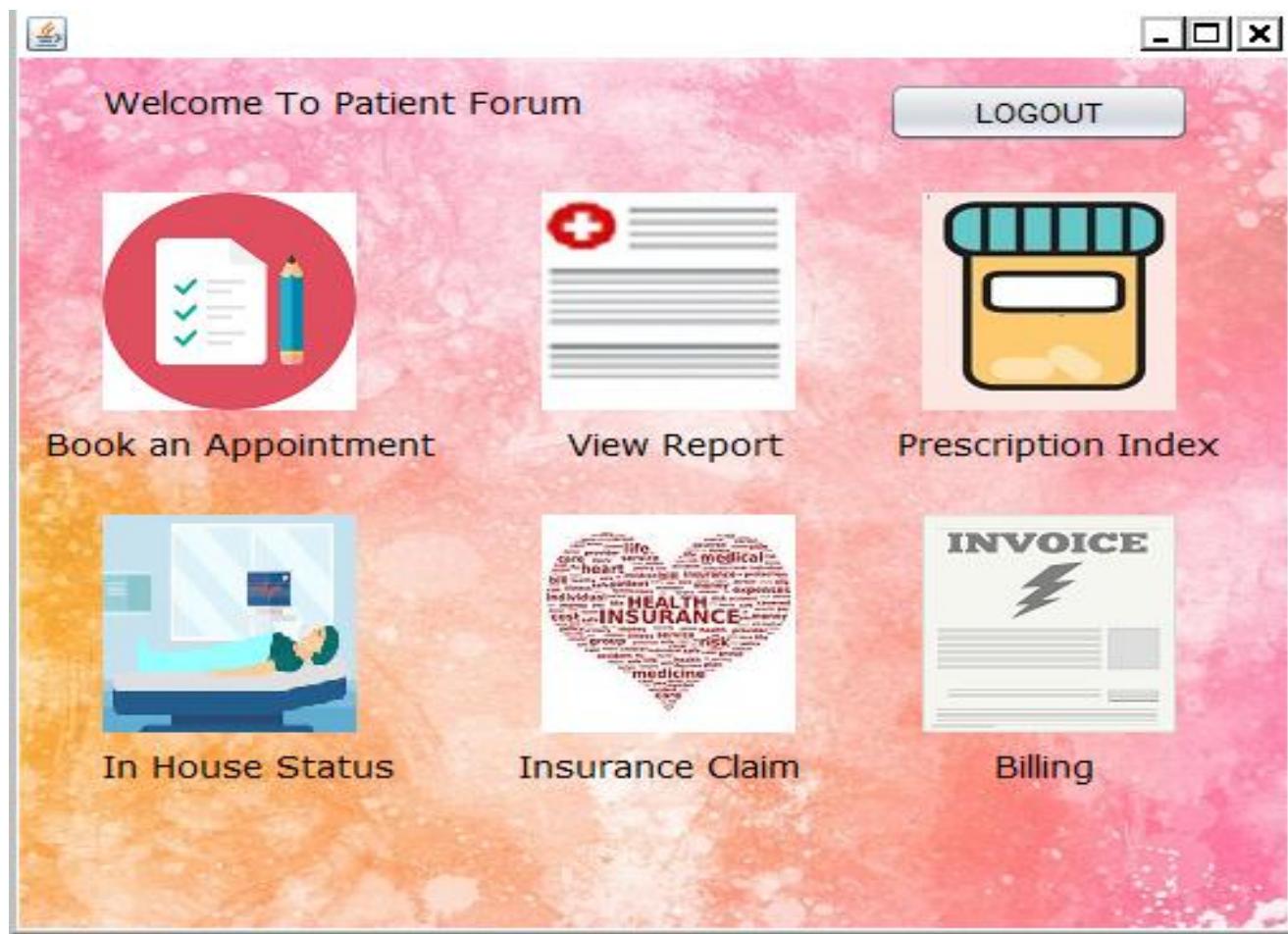
Code for Back button:

```
BD_Welcome back = new BD_Welcome();  
back.setVisible(true);  
this.dispose();
```

Code for Variables:

```
private javax.swing.JButton jButton1;  
private javax.swing.JButton jButton2;  
private javax.swing.JLabel jLabel1;  
private javax.swing.JLabel jLabel3;  
private javax.swing.JLabel jLabel4;  
private javax.swing.JLabel jLabel5;  
private javax.swing.JPanel jPanel1;  
private javax.swing.JPasswordField jPasswordField2;  
private javax.swing.JTextField jTextField1;
```

FRAME 7:-



Code for Book An Appointment Button:

```
Pat_book_App forward = new Pat_book_App();  
forward.setVisible(true);  
this.dispose();
```

Code for View Report Button:

```
Pat_ViewReport forward = new Pat_ViewReport();  
forward.setVisible(true);  
this.dispose();
```

Code for Prescription Index button:

```
Pat_presc_index forward = new Pat_presc_index();  
forward.setVisible(true);  
this.dispose();
```

Code for In House Status button:

```
Pat_IHS forward = new Pat_IHS();
    forward.setVisible(true);
    this.dispose();
```

Code for Billing button:

```
Pat_Bill forward = new Pat_Bill();
    forward.setVisible(true);
    this.dispose();
```

Code for Insurance Claim button:

```
Pat_Insurance forward = new Pat_Insurance();
    forward.setVisible(true);
    this.dispose();
```

Code for logout button:

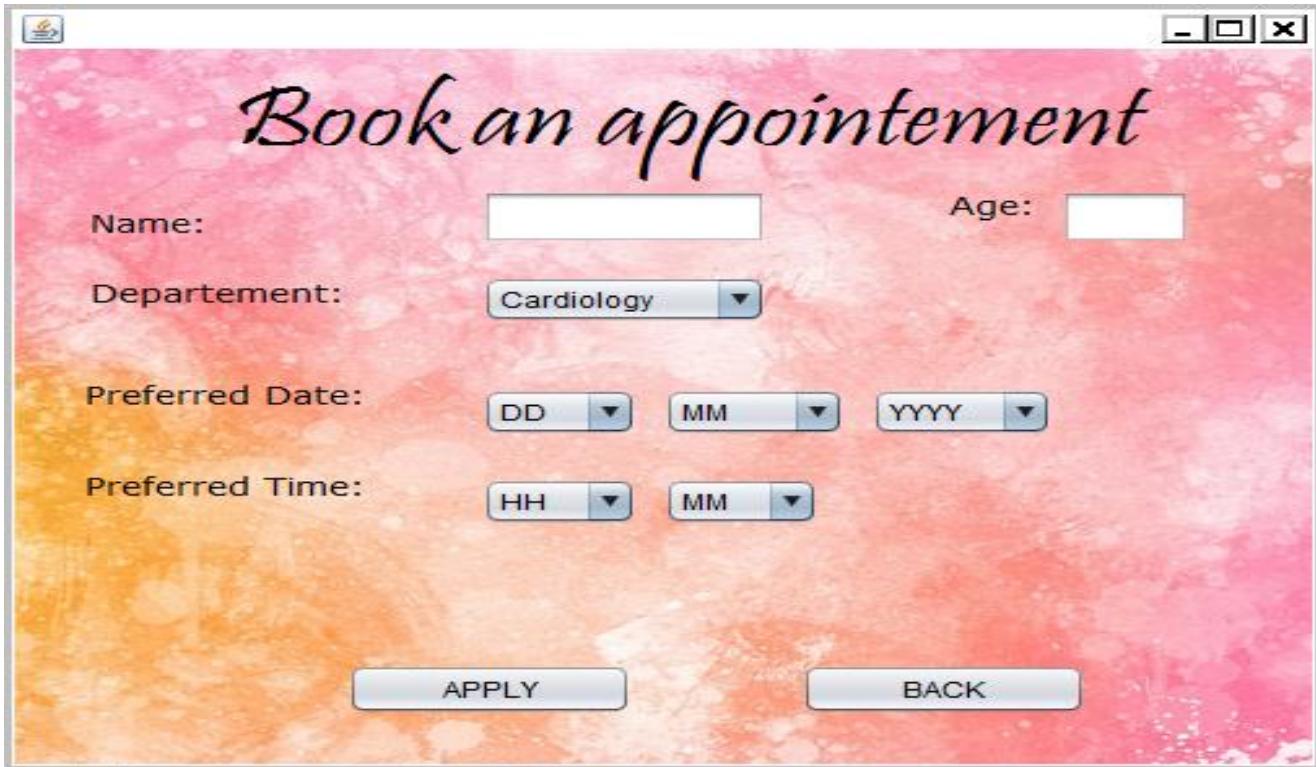
```
Pat_login back = new Pat_login();
    back.setVisible(true);
    this.dispose();
```

Code for Variables:

```
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton2;
private javax.swing.JButton jButton3;
private javax.swing.JButton jButton4;
private javax.swing.JButton jButton5;
private javax.swing.JButton jButton6;
private javax.swing.JButton jButton7;
private javax.swing.JLabel jLabel10;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
```

```
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JLabel jLabel8;
private javax.swing.JLabel jLabel9;
private javax.swing.JPanel jPanel1;
```

FRAME 7A:-



Code for Apply Button:

```
String name = jTextField1.getText(), age = jTextField3.getText(),
dept = jComboBox6.getSelectedItem().toString();

String date = jComboBox3.getSelectedItem().toString() + "-" +
jComboBox2.getSelectedItem().toString() + "-" +
jComboBox1.getSelectedItem().toString();

String time = jComboBox4.getSelectedItem().toString() + ":" +
jComboBox5.getSelectedItem().toString();

try
{
```

```
Class.forName("com.mysql.jdbc.Driver");
Connection con = (Connection)
DriverManager.getConnection("jdbc:mysql://localhost:3306/hms",
"root", "123456");
Statement stmt = (Statement) con.createStatement();
String query = "insert into appointements values('"+name+"',
"+age+", "+dept+", "+date+", "+time+")";
stmt.executeUpdate(query);
con.close();
}
catch(Exception e)
{
JOptionPane.showMessageDialog(this, e.getMessage());
}
JOptionPane.showMessageDialog(this, "Appointment confirmed.");
");
```

Code for Back button:

```
Pat_Forum back = new Pat_Forum();
back.setVisible(true);
this.dispose();
```

Code for Variables:

```
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton2;
private javax.swing.JComboBox jComboBox1;
private javax.swing.JComboBox jComboBox2;
private javax.swing.JComboBox jComboBox3;
private javax.swing.JComboBox jComboBox4;
private javax.swing.JComboBox jComboBox5;
```

```
private javax.swing.JComboBox jComboBox6;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JLabel jLabel8;
private javax.swing.JPanel jPanel1;
private javax.swing.JTextField jTextField1;
private javax.swing.JTextField jTextField3;
```

FRAME 7B:-



Code for Show Report button:

```
String patid=jTextField3.getText(), doc = "", diagnosis = "",  
equipment = "";  
  
try  
{  
    Class.forName("com.mysql.jdbc.Driver");  
    Connection con = (Connection)  
DriverManager.getConnection("jdbc:mysql://localhost:3306/hms",  
"root", "123456");  
    Statement stmt = (Statement) con.createStatement();  
    String query = "select * from reports where  
patid='"+patid+"'";  
    ResultSet rs = stmt.executeQuery(query);  
    while(rs.next())  
    {  
        doc = rs.getString("doc");  
        diagnosis = rs.getString("diagnosis");  
        equipment = rs.getString("eu");  
    }  
    jTextField1.setText(doc);  
    jTextArea2.setText(diagnosis);  
    jTextField2.setText(equipment);  
  
    con.close();  
}  
catch(Exception e)  
{  
    JOptionPane.showMessageDialog(this, e.getMessage());
```

```
}
```

Code Show Prescriptions Button:

```
Pat_presc_index forward = new Pat_presc_index();
forward.setVisible(true);
this.dispose();
```

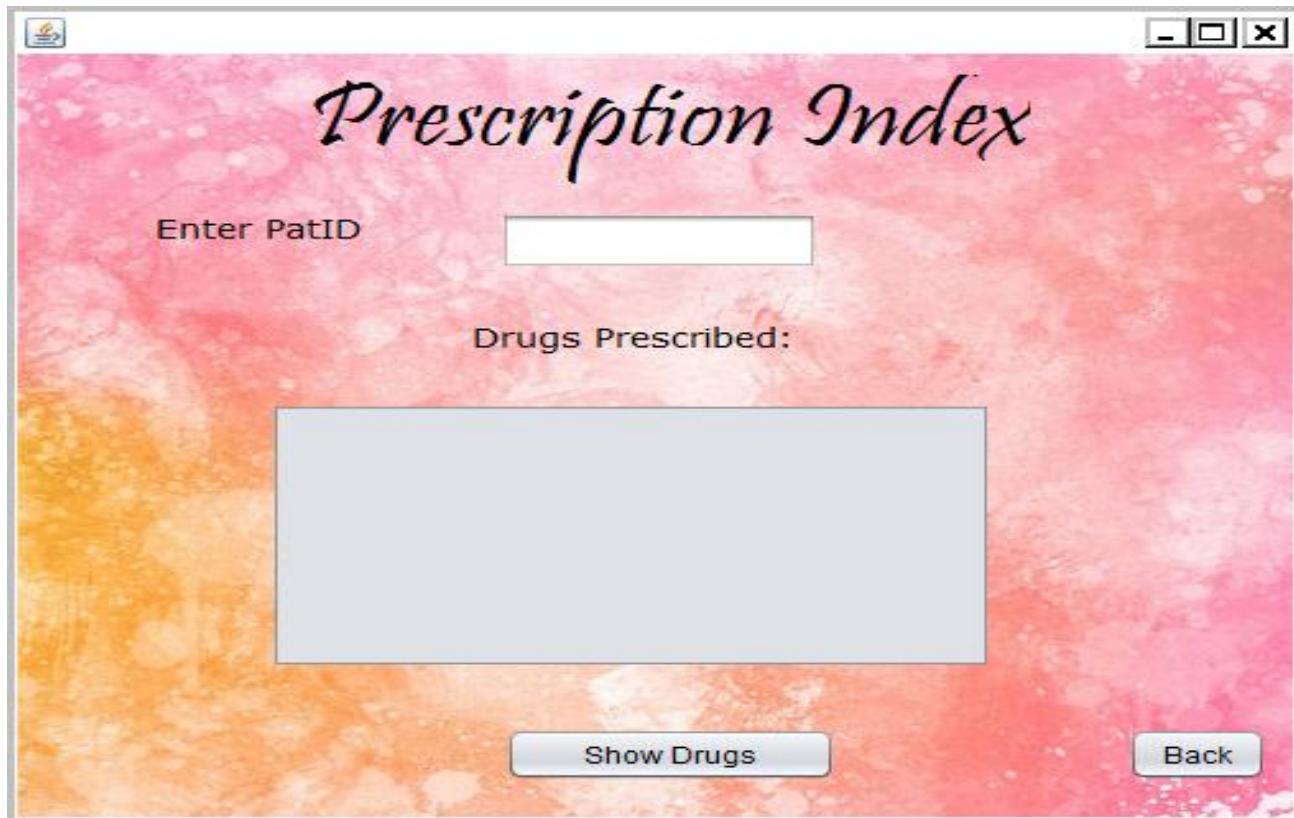
Code for Back:

```
Pat_Forum back = new Pat_Forum();
back.setVisible(true);
this.dispose();
```

Code for Variables:

```
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton3;
private javax.swing.JButton jButton4;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JLabel jLabel8;
private javax.swing.JPanel jPanel2;
private javax.swing.JScrollPane jScrollPane3;
private javax.swing.JTextArea jTextArea2;
private javax.swing.JTextField jTextField1;
private javax.swing.JTextField jTextField2;
private javax.swing.JTextField jTextField3;
```

FRAME 7D:-



Code For Show Drugs Button:

```
String epatid=jTextField1.getText();
try
{
    Class.forName("com.mysql.jdbc.Driver");
    Connection con = (Connection)
DriverManager.getConnection("jdbc:mysql://localhost:3306/hms",
"root", "123456");
    Statement stmt = (Statement) con.createStatement();
    String query = "select drugs from reports where
patid='"+epatid+"'";
    ResultSet rs = stmt.executeQuery(query);
    while(rs.next())
```

```
{  
    String drugs = rs.getString("drugs");  
    jTextArea1.setText(drugs);  
}  
  
con.close();  
}  
catch(Exception e)  
{  
    JOptionPane.showMessageDialog(this, e.getMessage());  
}
```

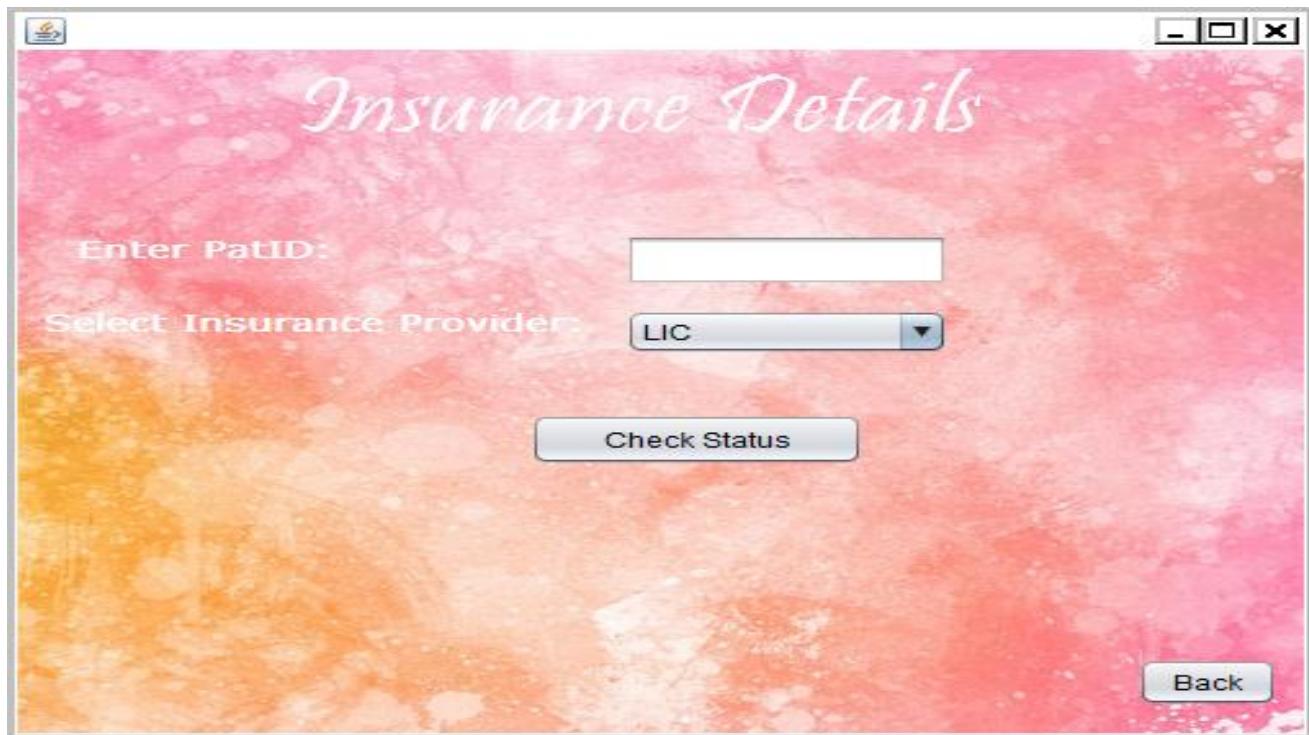
Code for Back:

```
Pat_Forum back = new Pat_Forum();  
back.setVisible(true);  
this.dispose();
```

Code for Variables:

```
private javax.swing.JButton jButton1;  
private javax.swing.JButton jButton2;  
private javax.swing.JLabel jLabel1;  
private javax.swing.JLabel jLabel2;  
private javax.swing.JLabel jLabel4;  
private javax.swing.JLabel jLabel5;  
private javax.swing.JPanel jPanel1;  
private javax.swing.JScrollPane jScrollPane1;  
private javax.swing.JTextArea jTextArea1;  
private javax.swing.JTextField jTextField1;
```

FRAME 7E:-



Code for Check Status button:

```
String epatid = jTextField1.getText();
try
{
    Class.forName("com.mysql.jdbc.Driver");
    Connection con = (Connection)
DriverManager.getConnection("jdbc:mysql://localhost:3306/hms",
"root", "123456");
    Statement stmt = (Statement) con.createStatement();
    String query = "select patid from pat where patid =
""+epatid+"";;
    ResultSet rs = stmt.executeQuery(query);

    if(rs.next() == true)
{
```

```
        JOptionPane.showMessageDialog(this, "Insurance  
confirmed. ");  
    }  
    else if (rs.next() == false)  
    {  
        JOptionPane.showMessageDialog(this, "Insurance not  
confirmed.");  
    }  
    con.close();  
}  
catch(Exception e)  
{    JOptionPane.showMessageDialog(this, e.getMessage());  
} }
```

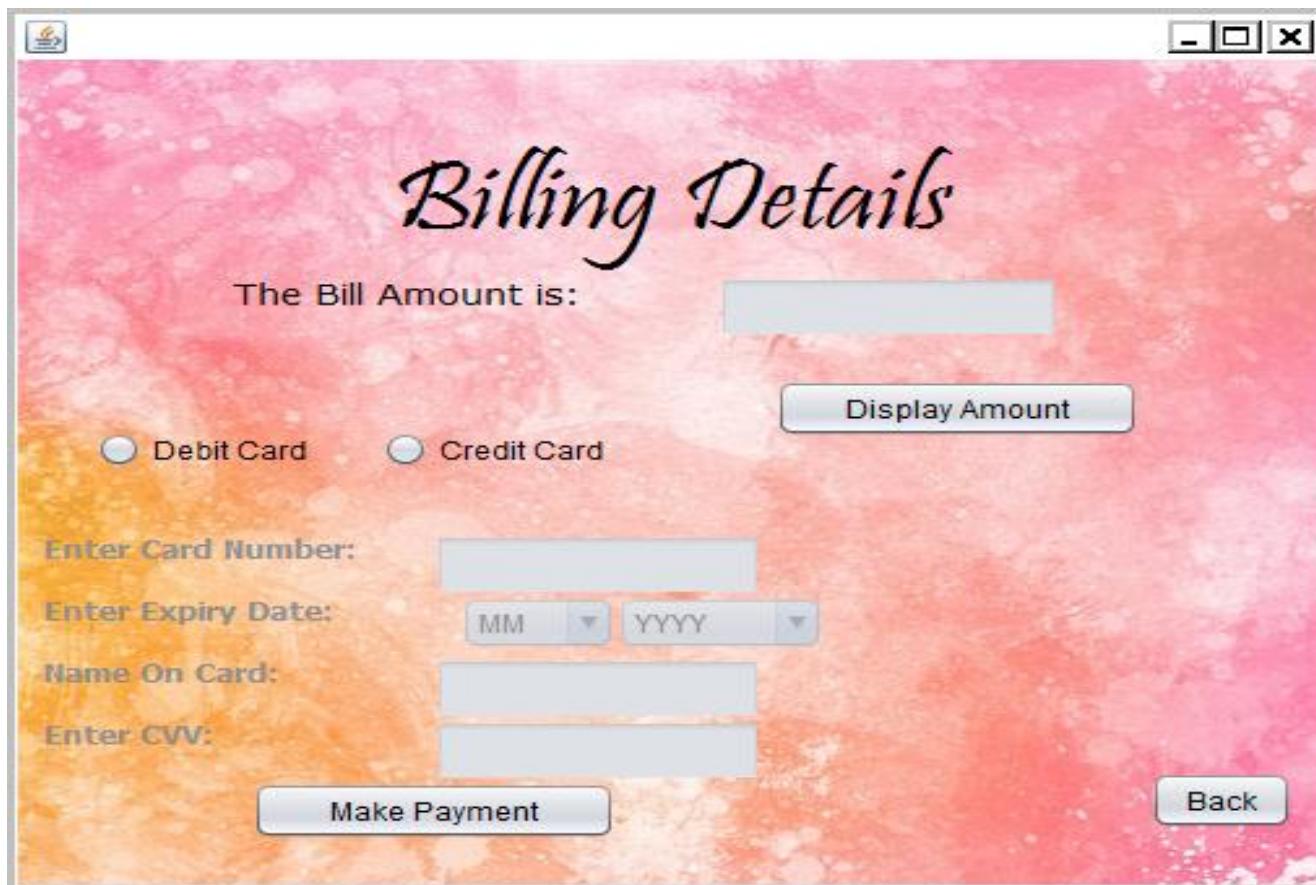
Code for Back:

```
Pat_Forum back = new Pat_Forum();  
back.setVisible(true);  
this.dispose();
```

Code for Variables:

```
private javax.swing.JButton jButton1;  
private javax.swing.JButton jButton2;  
private javax.swing.JComboBox jComboBox1;  
private javax.swing.JLabel jLabel1;  
private javax.swing.JLabel jLabel2;  
private javax.swing.JLabel jLabel5;  
private javax.swing.JLabel jLabel6;  
private javax.swing.JLabel jLabel7;  
private javax.swing.JPanel jPanel1;  
private javax.swing.JTextField jTextField1;
```

FRAME 7F:-



Code for Make Payment button:

```
String card = jTextField4.getText();
String date = "00-" + jComboBox2.getSelectedItem().toString()
+ jComboBox3.getSelectedItem().toString();
String name = jTextField6.getText();
String cvv = new String(jPasswordField1.getPassword());
int i = 0;
try {
    Class.forName("com.mysql.jdbc.Driver");
    Connection con = (Connection)
DriverManager.getConnection("jdbc:mysql://localhost:3306/hms",
"root", "123456");
    Statement stmt = (Statement) con.createStatement();
```

```
String query = "select * from payment where cardno =
""+card+"";;
ResultSet rs = stmt.executeQuery(query);
while(rs.next())
{
    i = 1;
    String rcard = rs.getString("cardno");
    if(rcard.equalsIgnoreCase(card))
    {
        JOptionPane.showMessageDialog(this, "Payment
recevied.");
    }
    else
    {
        JOptionPane.showMessageDialog(this, "Payment
unsuccessful.");
    }
}
if(i == 0)
    JOptionPane.showMessageDialog(this, "Invalid Card
number.");
}
catch(Exception e)
{
    JOptionPane.showMessageDialog(this, e.getMessage());
}
```

Code for Back:

```
Pat_Forum back = new Pat_Forum();
back.setVisible(true);
this.dispose();
```

Code for Variables:

```
private javax.swing.ButtonGroup buttonGroup1;
private javax.swing.JButton jButton2;
private javax.swing.JButton jButton3;
private javax.swing.JButton jButton4;
private javax.swing.JButton jButton5;
private javax.swing.JButton jButton6;
private javax.swing.JComboBox jComboBox2;
private javax.swing.JComboBox jComboBox3;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JLabel jLabel8;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel3;
private javax.swing.JPasswordField jPasswordField1;
private javax.swing.JRadioButton jRadioButton2;
private javax.swing.JRadioButton jRadioButton3;
private javax.swing.JTextField jTextField1;
private javax.swing.JTextField jTextField2;
private javax.swing.JTextField jTextField4;
private javax.swing.JTextField jTextField6;
```

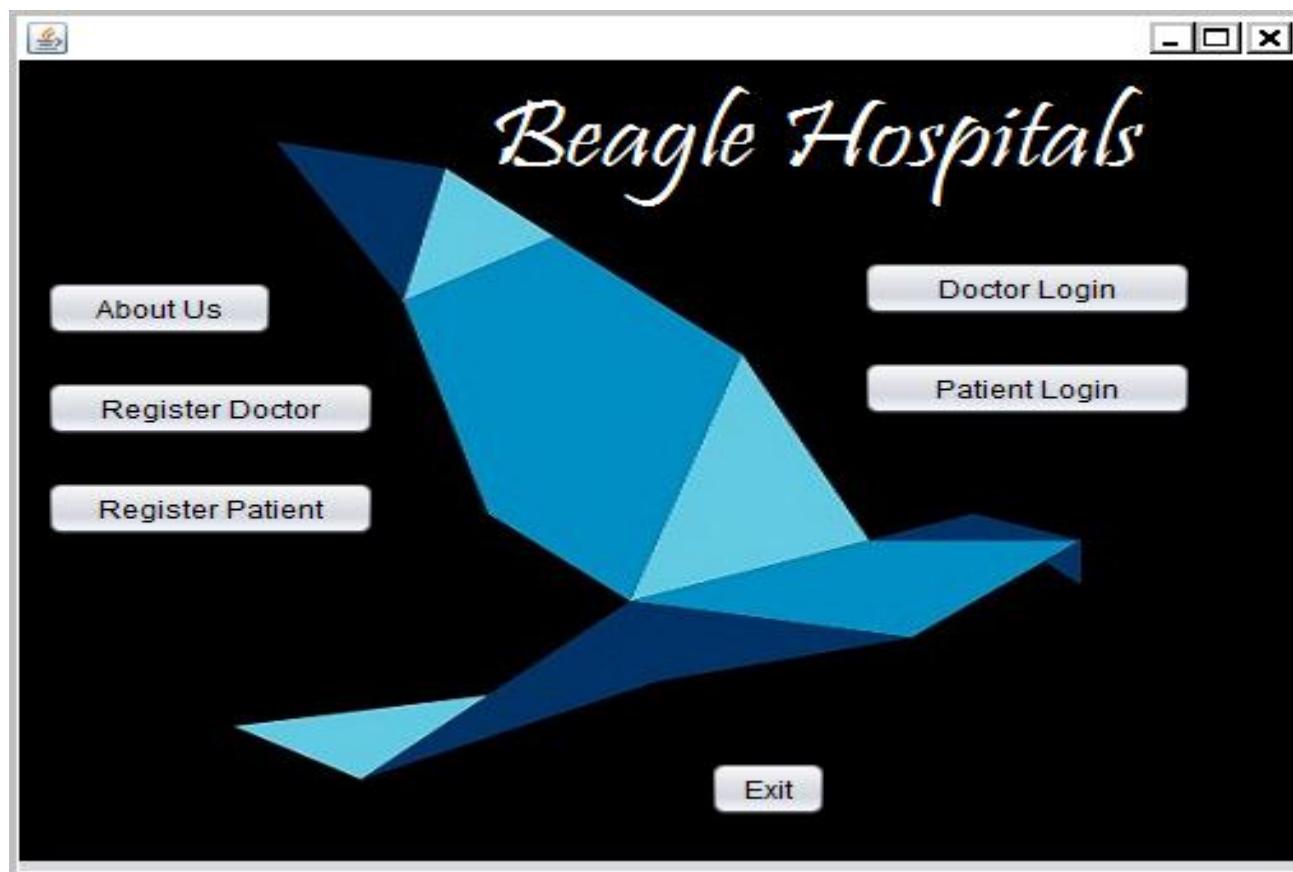
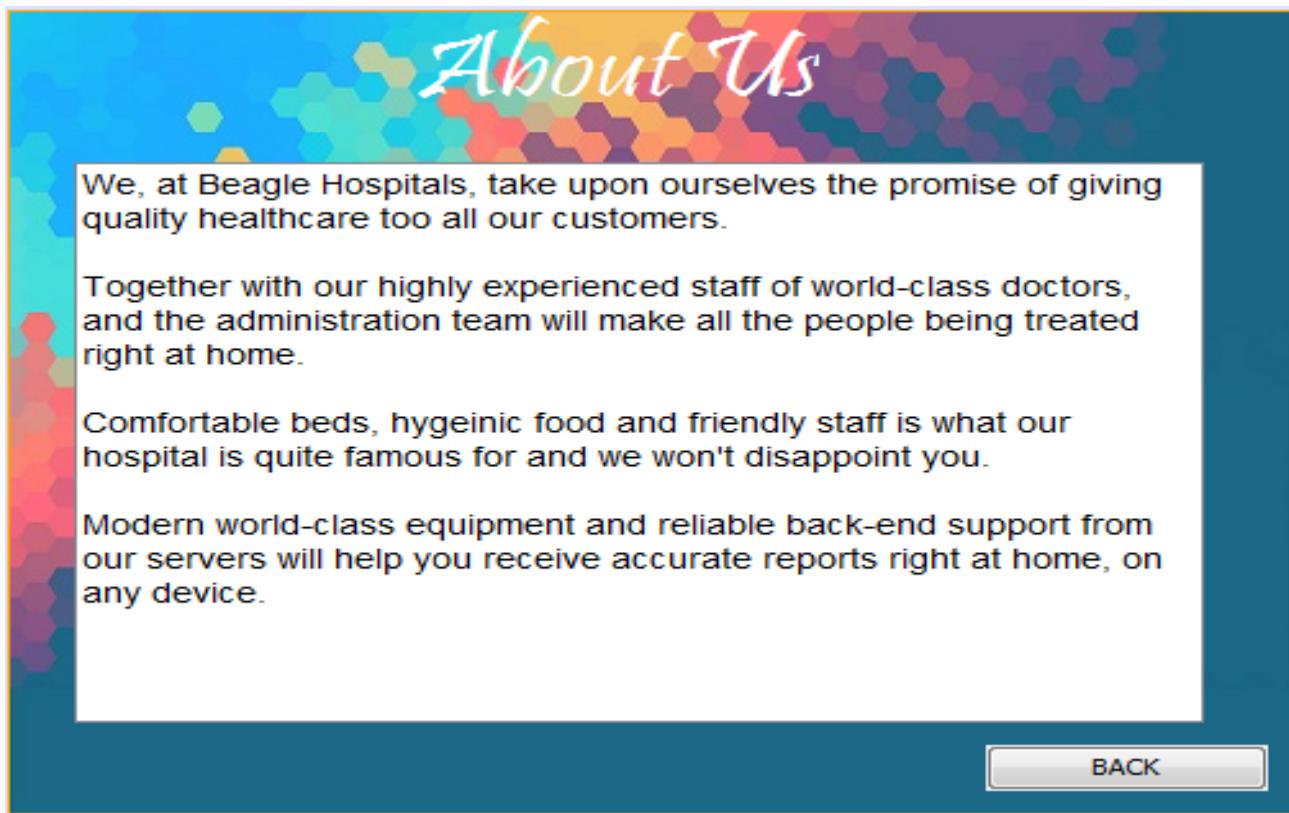
Step 5:- Testing:

- We tested all the modules.
- All the modules are working according to the client requirements.

Step 6:- Execution:

- Open NetBeans 8.0.2
- Select the project
- Select the application
- Click F11 for compilation and clean build.
- Click Shift+F6 for Execution.

Screen Shots:





Register Doctor

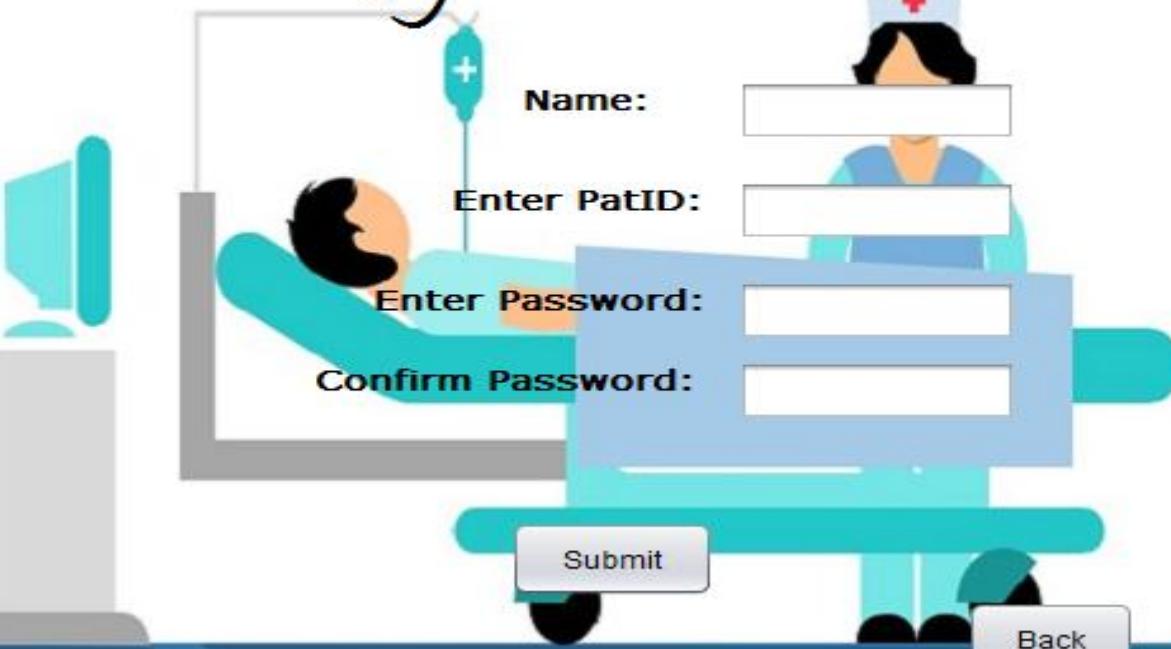
Name:

Enter DocID:

Select Departement:

Enter Password:

Confirm Password:



Register Patient

Name:

Enter PatID:

Enter Password:

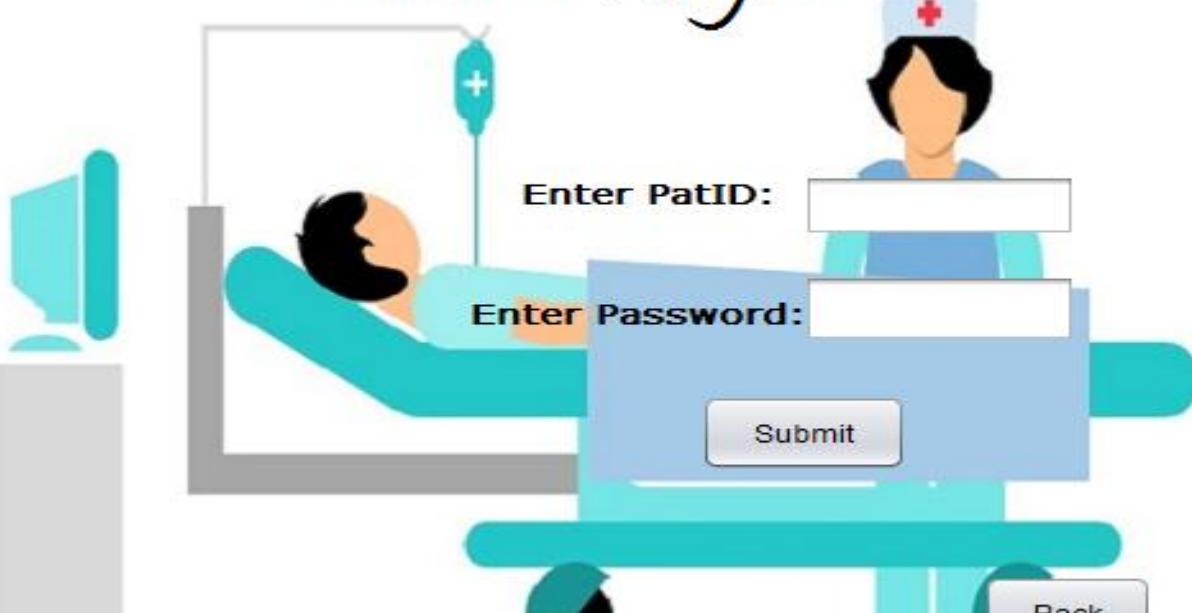
Confirm Password:



Doctor Login

Enter DocID:

Enter Password:



Patient Login

Enter PatID:

Enter Password:

Apply for leave

From DD MM YYYY

To DD MM YYYY

Reason

APPLY

BACK



Appointment Manager

Select Department: Cardiology

Name	Age	Date	Time

Show Appointments BACK

Make a Report

Enter Patient ID:

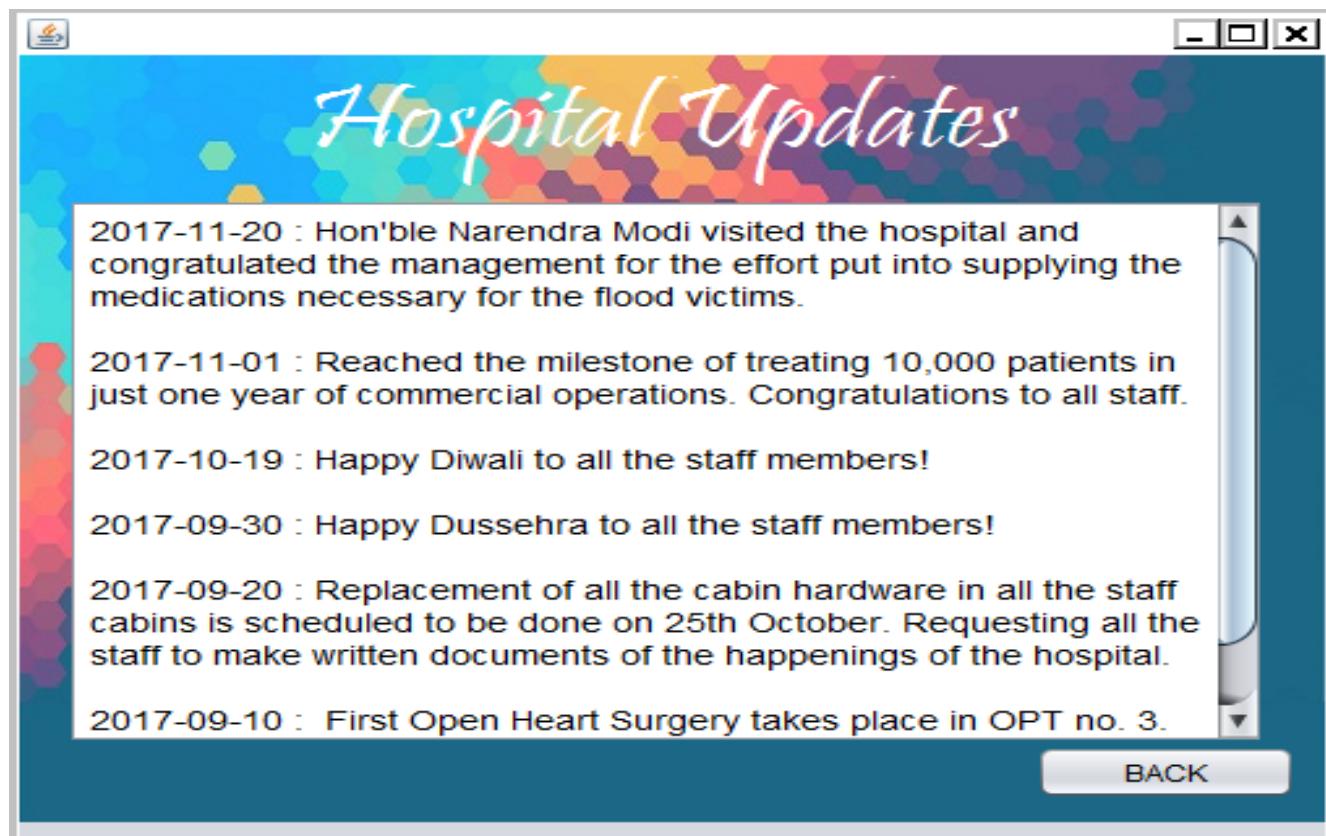
Doctor Incharge:

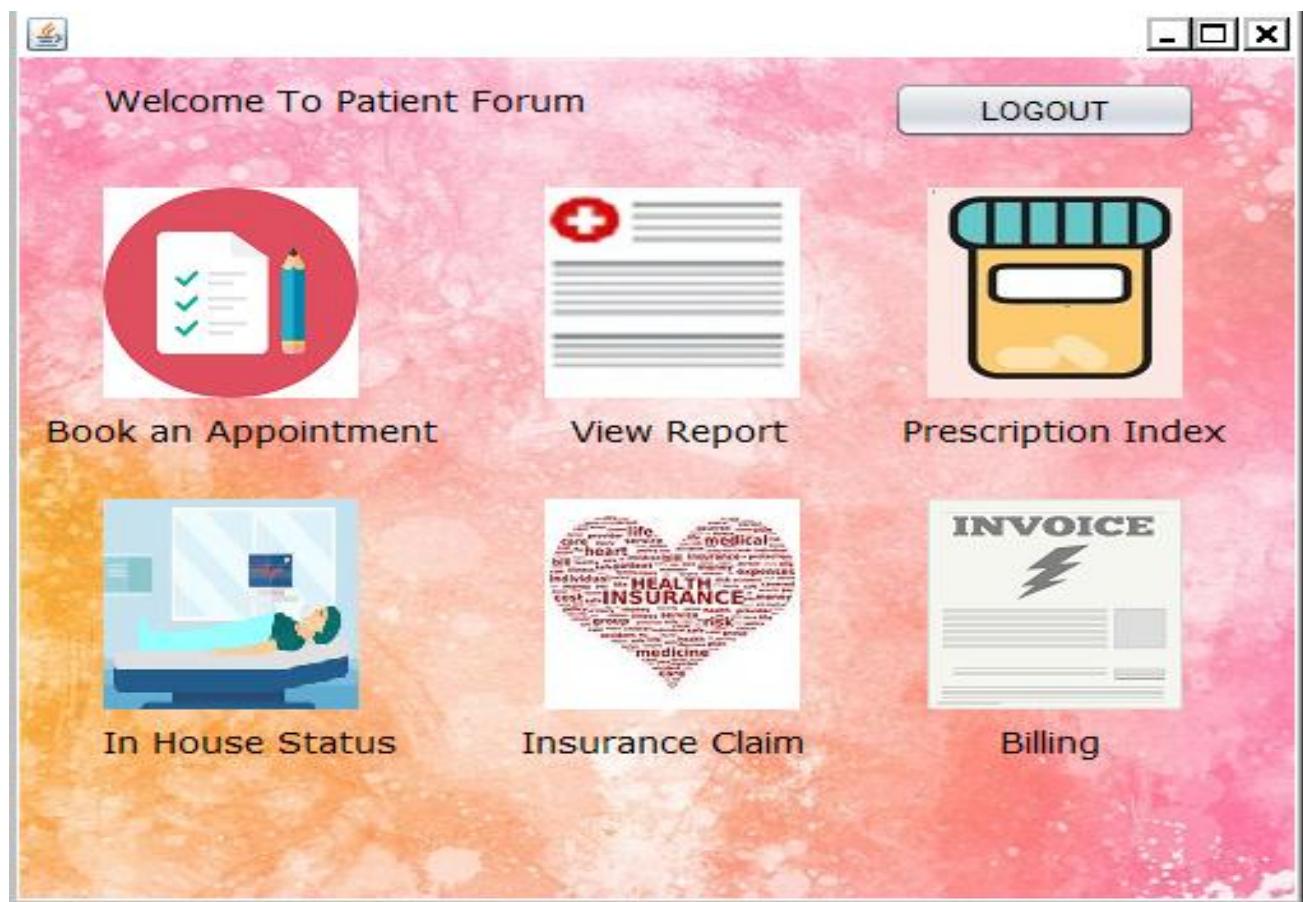
Equipment Used:

Diagnosis Given:

Drugs Prescribed:

SUBMIT REPORT BACK



A sub-interface titled "View Report" in a large, stylized font. The background has a pink-to-orange gradient. The form contains four text input fields: "Patient ID:" (white box), "Doctor Name:" (light gray box), "Diagnosis Given:" (medium gray box), and "Equipment Used:" (light gray box). At the bottom, there are three buttons: "CHECK PRESCRIPTION" (left), "Show Report" (center), and "BACK" (right).

 - □ ×

Prescription Index

Enter PatID

Drugs Prescribed:

Show Drugs Back

 - □ ×

In House Status

Enter Patient ID:

FLOOR NO	ROOM NO

Show Back

Insurance Details

Enter PatID:

Select Insurance Provider:

Book an appointment

Name:

Age:

Departement:

Preferred Date:

Preferred Time:



Billing Details

The Bill Amount is:

Display Amount

Debit Card

Credit Card

Enter Card Number:

Enter Expiry Date:

MM YYYY

Name On Card:

Enter CVV:

Make Payment

Back

Future Enhancements

This project is flexible enough to meet the requirements of the users. This project also has the scope of enhancements like:

1. Tutorials can be added on how to use the software.
 2. Its appearance can be made to look more better and user friendly.
- 3.** Expand our options.

Conclusion

This application helps the user to properly manage a Hospital without the need of installing any other software.

BIBLIOGRAPHY

1. Informatics Practices By Sumita Arora. DHANPAT RAI & CO.(Pvt) Ltd.
2. Informatics Practices By Central Board Of Secondary Education. Shiksha Kendra, 2, Community Centre, Preet Vihar, Delhi-110 092 India.
3. www.tiwaryacademy.com
4. www.studymate.com
5. www.vidhyarajan.com
6. www.ncertsolutions.in