

DBMS Project

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Subject: DBMS CSE2007

Project title: Hospital management system(HMS)

Introduction:

HMS was introduced to solve the complications coming from managing all the paper works of every patient with confidentiality. HMS provides the ability to manage all the paperwork in one place, reducing the work of staff in arranging and analyzing the paperwork of the patients.

HMS came into the picture of hospital management as early as 1960 and have ever since been evolving and synchronizing with the technologies while modernizing healthcare facilities. In today's world, the management of healthcare starts from the hands of the patients through their mobile phones and facilitates the needs of the patient.

The advantages of HMS can be pinpointed to the following:

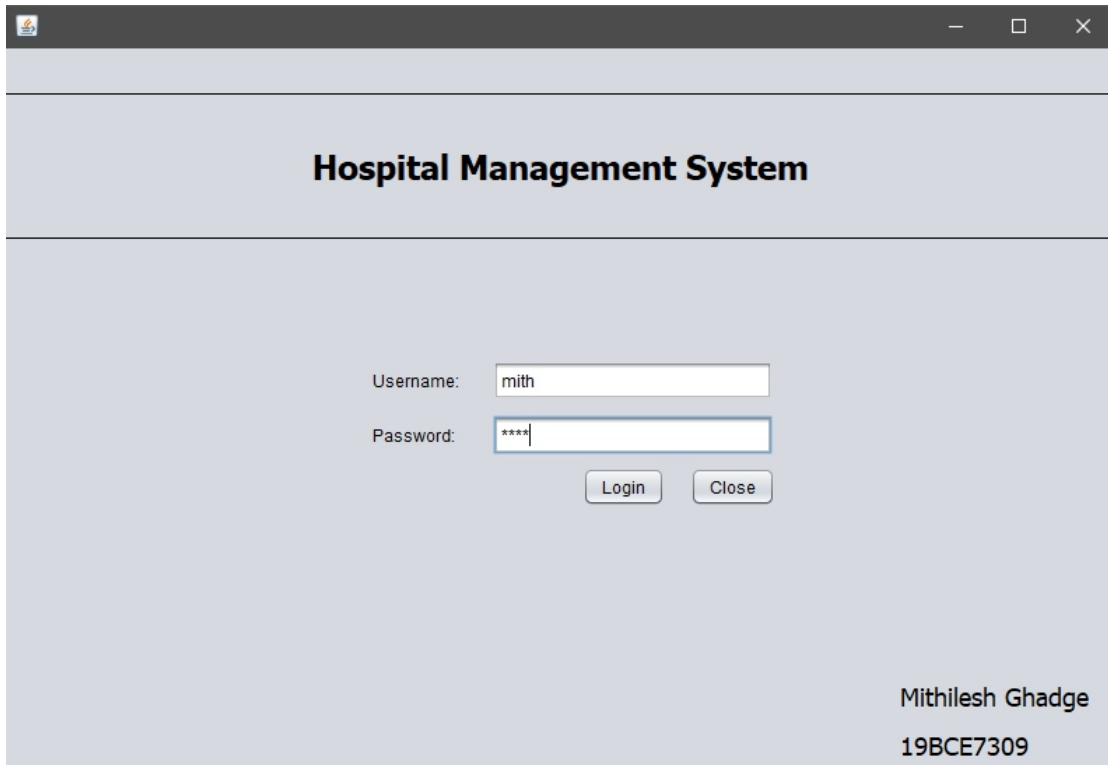
- Time-saving Technology
- Improved Efficiency by avoiding human errors
- Reduces scope for Error
- Data security and correct data retrieval made possible
- Cost effective and easily manageable
- Easy access to patient data with correct patient history
- Improved patient care made possible
- Easy monitoring of supplies in inventory
- Reduces the work of documentation
- Better Audit controls and policy compliance.

Overview/Working of the project:

This project aims at managing patient details in a hospital efficiently. It consists of Front-end Java programs that makes up a user friendly UI and connector program to connect with the back-end i.e. sql database. Also some extra libraries/jar files are to be added to this project for the smooth functioning and connectivity between the programs and the database. Firstly the login.java needs to be run which gives us the login page of the HMS. After login, we get the home page which has many options like add new patient, add diagnosis, hospital information, etc. We can add new patient details, their diagnosis details and also look for all patient details using the full history of patient option. Thus, a HMS makes it easier and convenient to manage the details of a patient in a hospital.

Screenshots of UI and database:

Login Page: (Username: mith, Password: mith)



A screenshot of a web browser window displaying the login page of a Hospital Management System. The window has a dark gray title bar with standard minimize, maximize, and close buttons. The page has a light gray background. At the top, the title "Hospital Management System" is centered in a bold, black font. Below the title, there is a login form. The form consists of two input fields: "Username:" with the text "mith" entered, and "Password:" with "****" entered. Below these fields are two buttons: "Login" and "Close". In the bottom right corner of the page, the text "Mithilesh Ghadge" and "19BCE7309" is displayed.

Hospital Management System

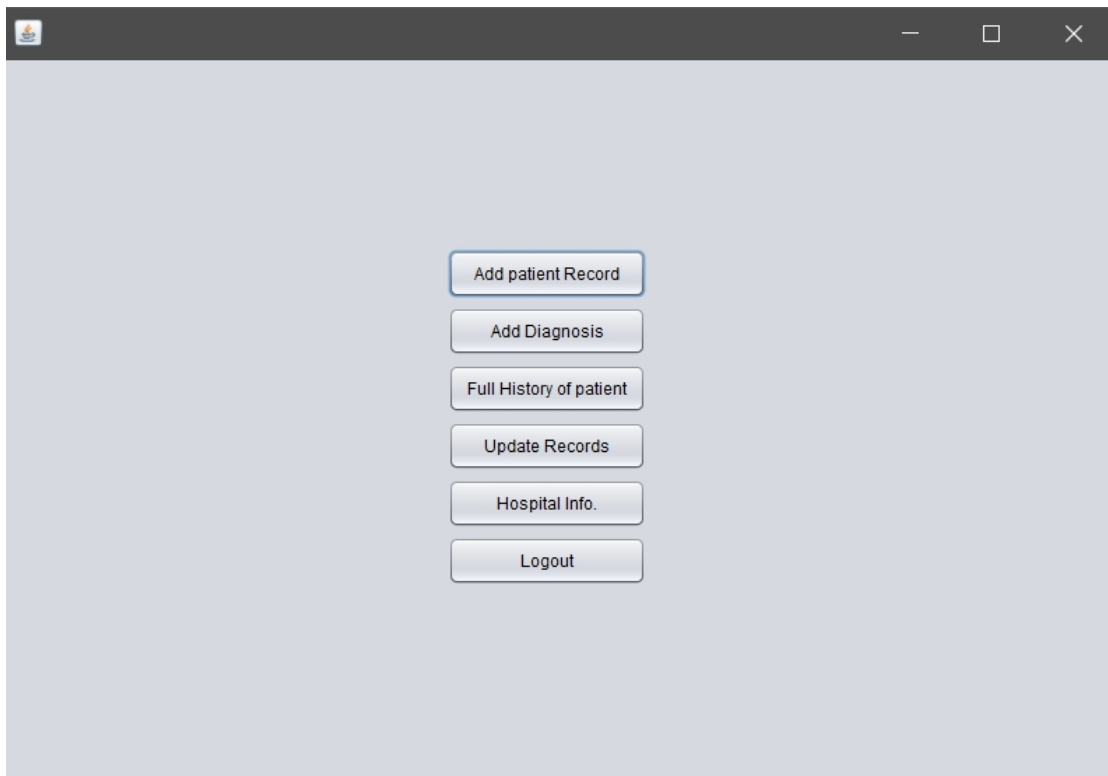
Username: mith

Password: ****

Login Close

Mithilesh Ghadge
19BCE7309

Home page:



A screenshot of a web browser window displaying the home page of the Hospital Management System. The window has a dark gray title bar with standard minimize, maximize, and close buttons. The page has a light gray background. In the center of the page, there is a vertical stack of seven buttons: "Add patient Record", "Add Diagnosis", "Full History of patient", "Update Records", "Hospital Info.", and "Logout".

Add patient Record

Add Diagnosis

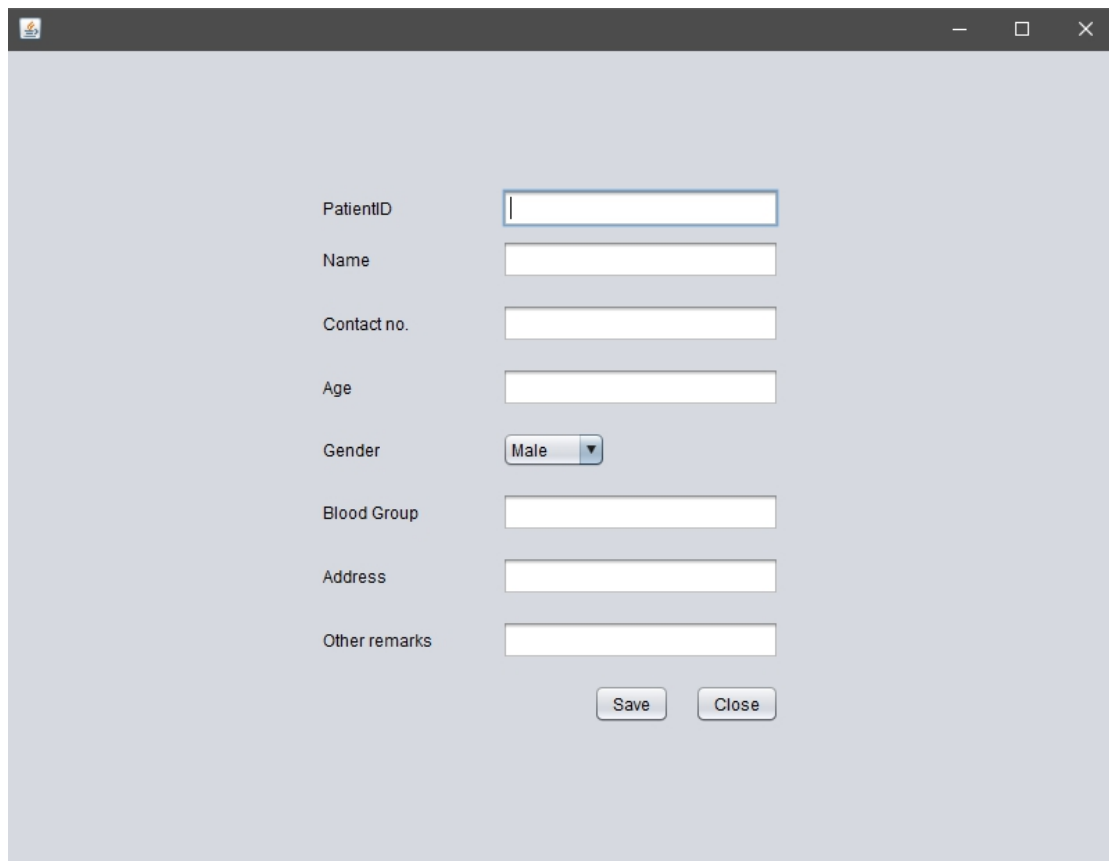
Full History of patient

Update Records

Hospital Info.

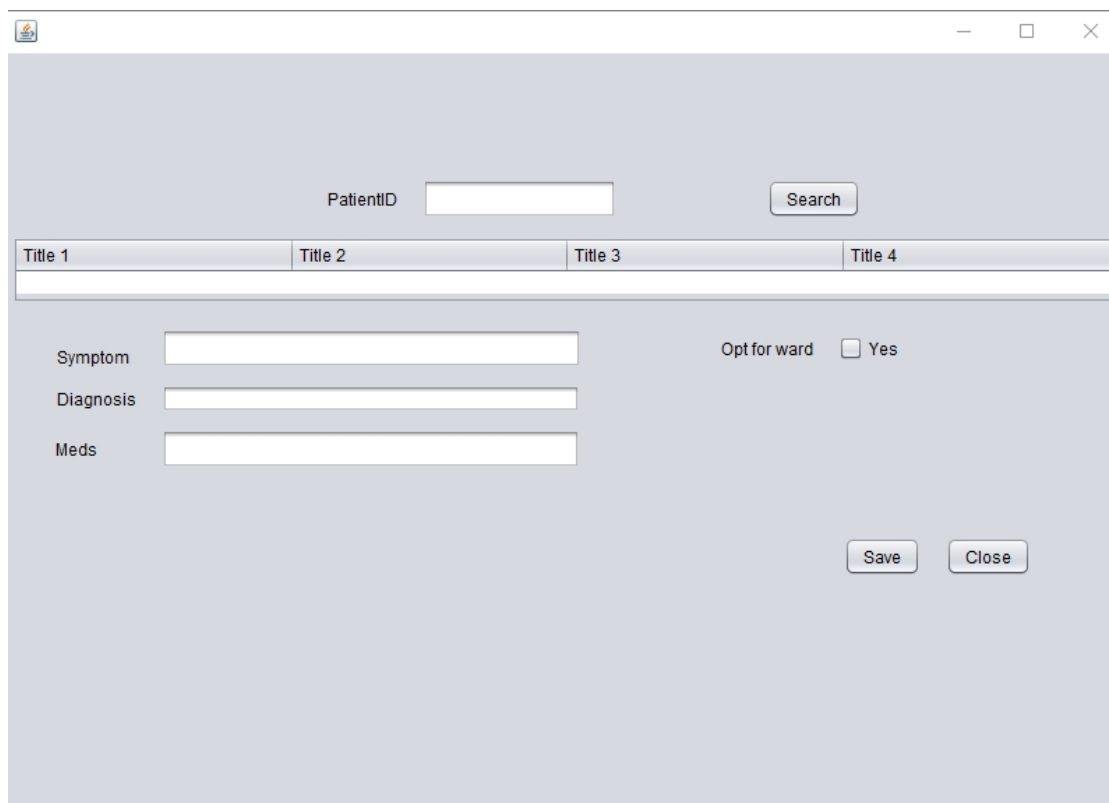
Logout

Add new Patient page:



A screenshot of a web application window titled "Add new Patient". The window has a standard macOS-style title bar with a red, yellow, and green button on the left and minus, maximize, and close buttons on the right. The main content area is light gray and contains a form with the following fields: "PatientID" (text input), "Name" (text input), "Contact no." (text input), "Age" (text input), "Gender" (dropdown menu with "Male" selected), "Blood Group" (text input), "Address" (text input), and "Other remarks" (text input). At the bottom right of the form are two buttons: "Save" and "Close".

Add Diagnosis page:



A screenshot of a web application window titled "Add Diagnosis". The window has a standard macOS-style title bar. The main content area is light gray and contains a form with the following elements: a "PatientID" text input field followed by a "Search" button; a table with four columns labeled "Title 1", "Title 2", "Title 3", and "Title 4"; three text input fields labeled "Symptom", "Diagnosis", and "Meds"; a label "Opt for ward" followed by a checkbox and the text "Yes"; and two buttons at the bottom right: "Save" and "Close".

Full history of patient page:

PatientID	Name	ContactN...	Age	Gender	BloodGro...	Address	Remark	patientID	symptom	diagn
1	mith	12321	19	Male	A+	vasai	no	1	headache	viral f
2	yash	21313	19	Male	B+	kolkata	no	2	cold	viral i

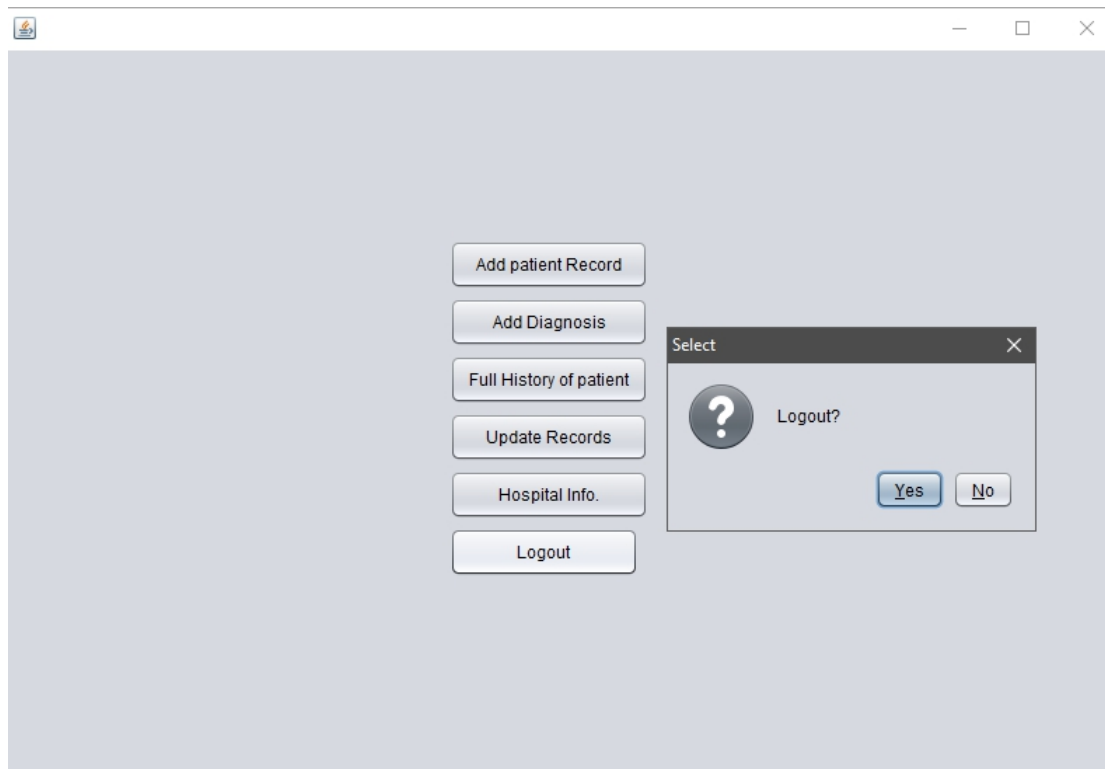
Close

Hospital Information page:

This is a Hospital management system that helps manage the information related to health care and aids in the job completion of health care providers effectively. It manages the data related to all patients, their diseases and their history.

Close

Logout page/ pop-up:



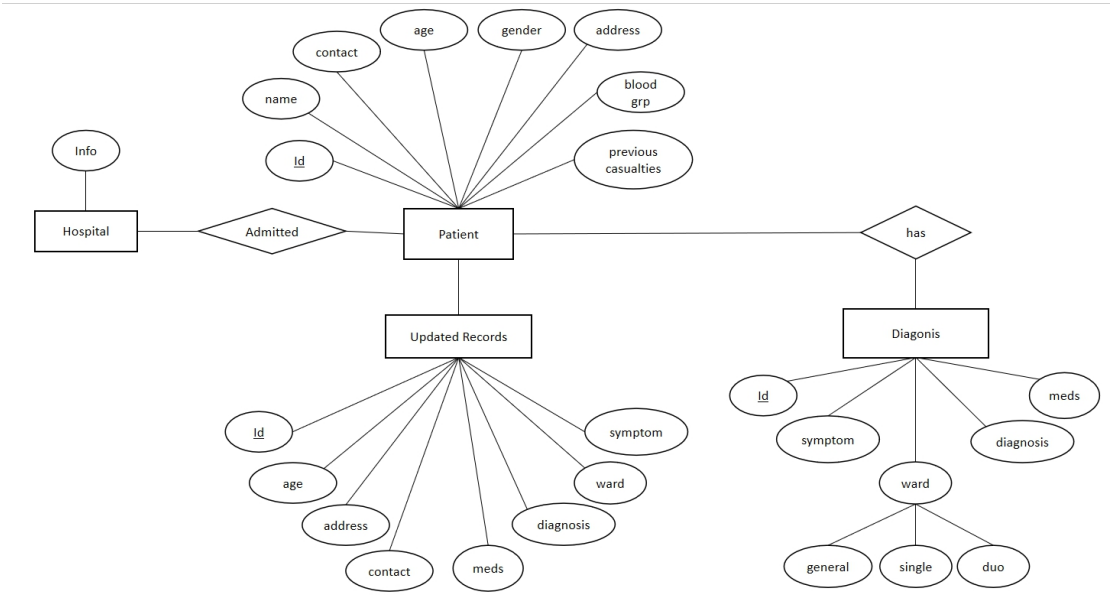
SQL database:

```
mysql> use project;
Database changed
mysql> select * from patient;
+-----+-----+-----+-----+-----+-----+-----+-----+
| PatientID | Name | ContactNumber | Age | Gender | BloodGroup | Address | Remark |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 1 | mith | 12321 | 19 | Male | A+ | vasai | no |
| 2 | yash | 21313 | 19 | Male | B+ | kolkata | no |
+-----+-----+-----+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql> select * from patientreport;
+-----+-----+-----+-----+-----+-----+
| patientID | symptom | diagnosis | medicines | wardReq | typeWard |
+-----+-----+-----+-----+-----+-----+
| 1 | headache | viral fever | ibujesic | YES | Single |
| 2 | cold | viral infection | ace-kof cold | NO | |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

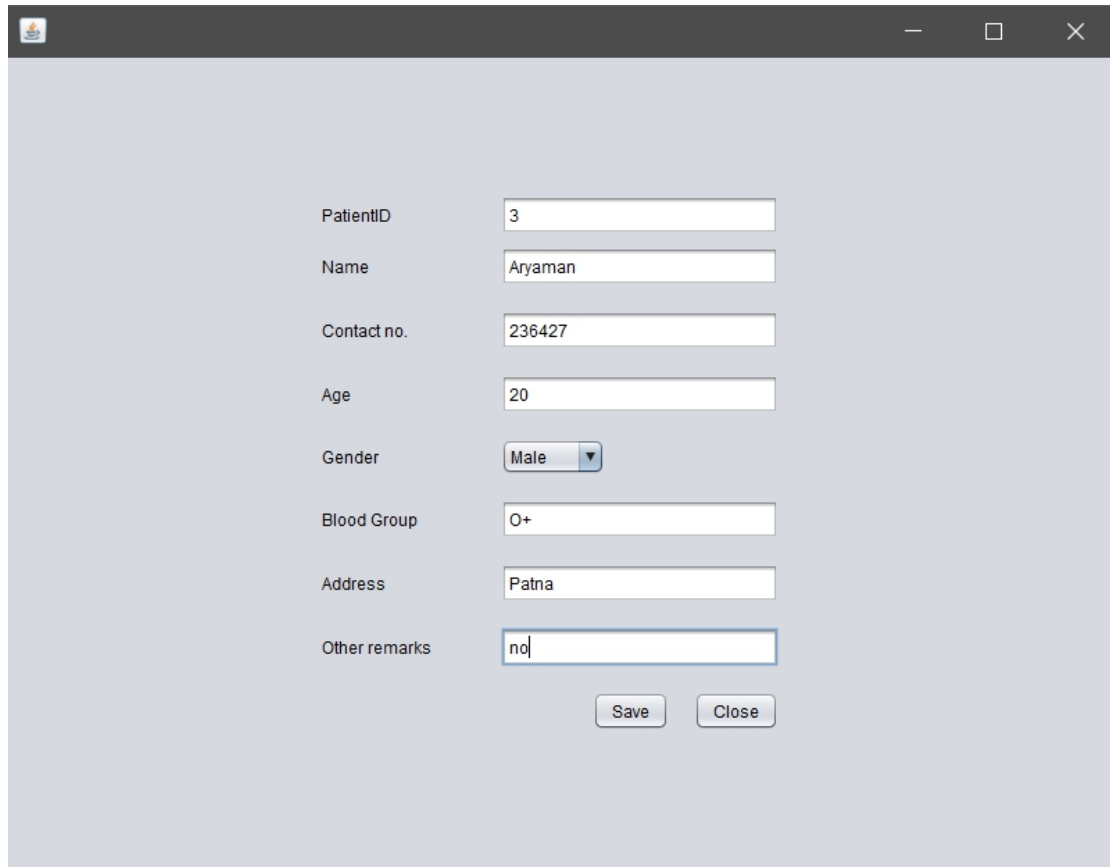
mysql>
```

ER Diagram:



Example: Adding a new patient:

First login to home page and select “Add Patient record” and fill-in the details and click on “save”:

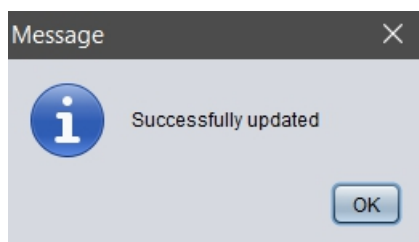


A screenshot of a web application window with a dark gray title bar containing a small icon and standard window controls (minimize, maximize, close). The main area is light gray and contains a form for adding a new patient. The form consists of several labeled text input fields and one dropdown menu. The labels are: PatientID, Name, Contact no., Age, Gender, Blood Group, Address, and Other remarks. The values entered are: 3, Aryaman, 236427, 20, Male (selected in the dropdown), O+, Patna, and no. At the bottom right of the form are two buttons: 'Save' and 'Close'.

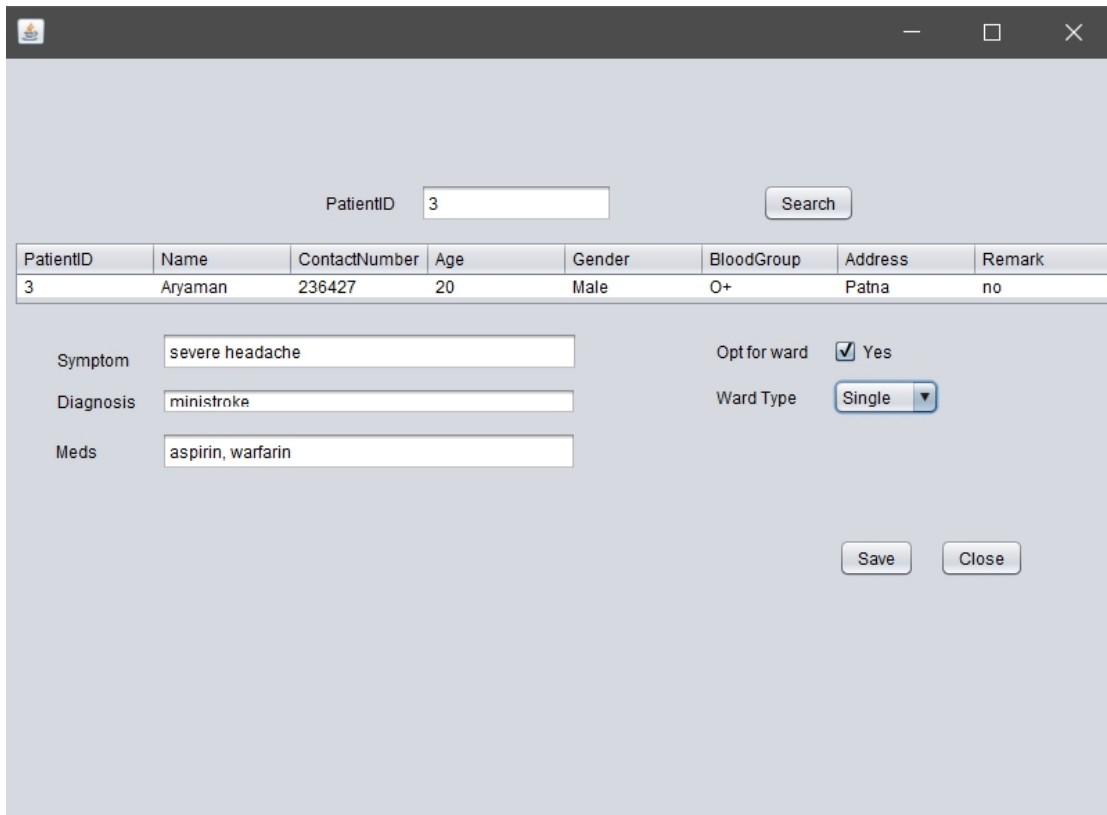
PatientID	3
Name	Aryaman
Contact no.	236427
Age	20
Gender	Male
Blood Group	O+
Address	Patna
Other remarks	no

Save Close

It shows a pop-up:



Then back to home page, select “Add Diagnosis” and search the new PatientID (i.e. 3) and then enter the details:



The screenshot shows a web application window with a search bar at the top containing 'PatientID' and the value '3', with a 'Search' button. Below the search bar is a table with patient data:

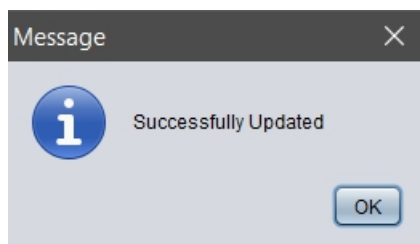
PatientID	Name	ContactNumber	Age	Gender	BloodGroup	Address	Remark
3	Aryaman	236427	20	Male	O+	Patna	no

Below the table, there is a form to add diagnosis details:

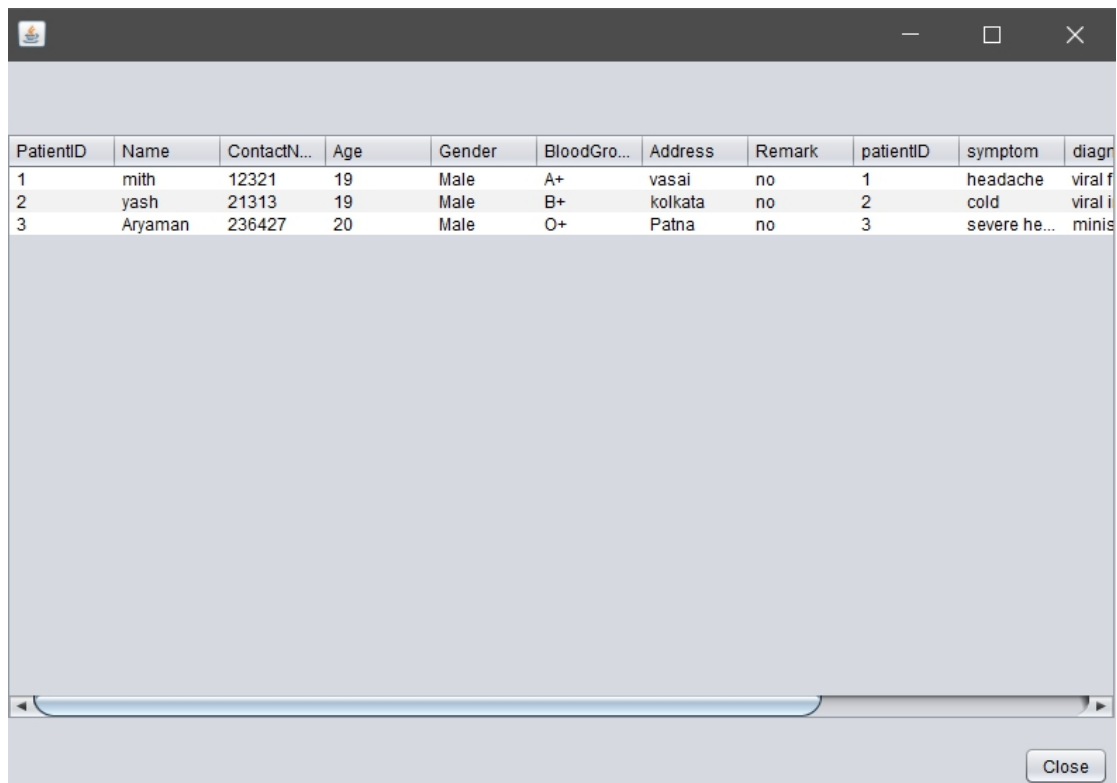
- Symptom:
- Diagnosis:
- Meds:
- Opt for ward: ☒ Yes
- Ward Type:

At the bottom right, there are 'Save' and 'Close' buttons.

On clicking save it gives a pop-up:



Now back in home page, check if the patient was successfully added by selecting “Full History of Patient”



PatientID	Name	ContactN...	Age	Gender	BloodGro...	Address	Remark	patientID	symptom	diagn
1	mith	12321	19	Male	A+	vasai	no	1	headache	viral f
2	yash	21313	19	Male	B+	kolkata	no	2	cold	viral i
3	Aryaman	236427	20	Male	O+	Patna	no	3	severe he...	minis

Now let's check if the patient is added in the sql database or not

```
mysql> use Project;
Database changed
mysql> select * from patient where patientID=3;
+-----+-----+-----+-----+-----+-----+-----+-----+
| PatientID | Name   | ContactNumber | Age | Gender | BloodGroup | Address | Remark |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 3         | Aryaman | 236427        | 20  | Male   | O+         | Patna   | no     |
+-----+-----+-----+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)

mysql> select * from patientreport where patientID=3;
+-----+-----+-----+-----+-----+-----+-----+-----+
| patientID | symptom          | diagnosis   | medicines          | wardReq | typeWard |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 3         | severe headache | ministroke  | aspirin, warfarin | YES     | Single   |
+-----+-----+-----+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)

mysql>
```

In this way, new patient details can be easily added and managed without any paperwork or fuss using a HMS.

Back-end code/ mysql database:

Creating and using a database "project" in mysql:

```
create database project;
```

```
use project;
```

Creating patient table table:

```
create table patient(PatientID varchar(10)primary key,Name  
varchar(100),ContactNumber varchar(10),Age varchar(3),Gender  
varchar(10),BloodGroup varchar(20),Address varchar(100),Remark varchar(500));
```

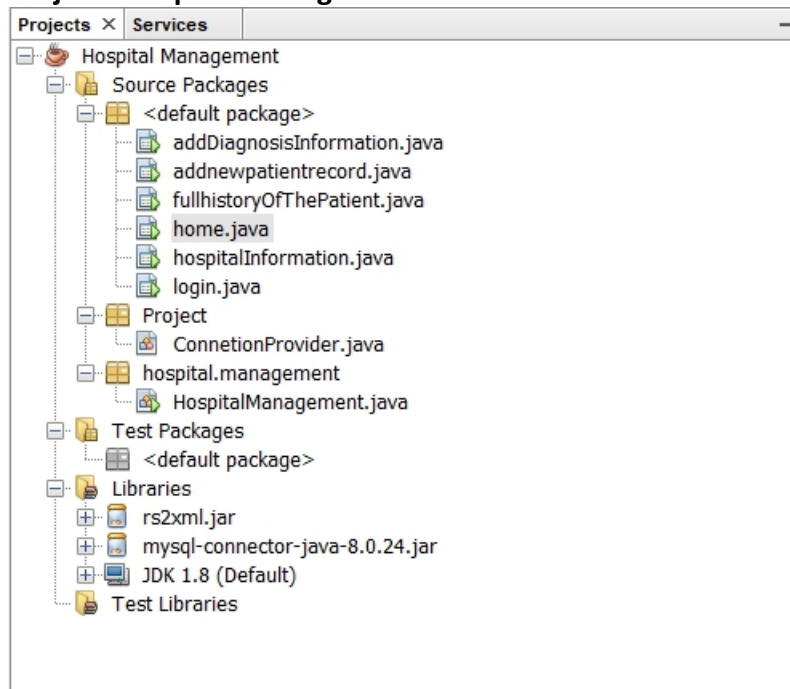
Creating patientreport table:

```
create table patientreport(patientID varchar(10)primary key,symptom  
varchar(200),diagnosis varchar(200),medicines varchar(200),wardReq  
varchar(5),typeWard varchar(10));
```

```
mysql> use project;  
Database changed  
mysql> desc patient;  
+-----+-----+-----+-----+-----+-----+  
| Field      | Type          | Null | Key | Default | Extra |  
+-----+-----+-----+-----+-----+-----+  
| PatientID  | varchar(10)   | NO   | PRI | NULL    |       |  
| Name       | varchar(100)  | YES  |     | NULL    |       |  
| ContactNumber | varchar(10)   | YES  |     | NULL    |       |  
| Age        | varchar(3)    | YES  |     | NULL    |       |  
| Gender     | varchar(10)   | YES  |     | NULL    |       |  
| BloodGroup | varchar(20)   | YES  |     | NULL    |       |  
| Address    | varchar(100)  | YES  |     | NULL    |       |  
| Remark     | varchar(500)  | YES  |     | NULL    |       |  
+-----+-----+-----+-----+-----+-----+  
8 rows in set (0.00 sec)  
  
mysql> desc patientreport;  
+-----+-----+-----+-----+-----+-----+  
| Field      | Type          | Null | Key | Default | Extra |  
+-----+-----+-----+-----+-----+-----+  
| patientID  | varchar(10)   | NO   | PRI | NULL    |       |  
| symptom    | varchar(200)  | YES  |     | NULL    |       |  
| diagnosis  | varchar(200)  | YES  |     | NULL    |       |  
| medicines  | varchar(200)  | YES  |     | NULL    |       |  
| wardReq    | varchar(5)    | YES  |     | NULL    |       |  
| typeWard   | varchar(10)   | YES  |     | NULL    |       |  
+-----+-----+-----+-----+-----+-----+  
6 rows in set (0.00 sec)  
  
mysql>
```

Front-end Codes/ UI /Java Programs:

Project “Hospital Management” in NetBeans IDE:



1. login.java:

```
import javax.swing.JOptionPane;
```

```
/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
```

```
/**
 *
 * @author mithi
 */
public class login extends javax.swing.JFrame {
```

```
    /**
     * Creates new form login
     */
    public login() {
        initComponents();
    }
```

```
    /**
     * This method is called from within the constructor to initialize the form.
```

```

* WARNING: Do NOT modify this code. The content of this method is always
* regenerated by the Form Editor.
*/
@SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {

    jLabel1 = new javax.swing.JLabel();
    jLabel2 = new javax.swing.JLabel();
    jTextField1 = new javax.swing.JTextField();
    jPasswordField1 = new javax.swing.JPasswordField();
    jButton1 = new javax.swing.JButton();
    jButton2 = new javax.swing.JButton();
    jLabel3 = new javax.swing.JLabel();
    jLabel4 = new javax.swing.JLabel();
    jLabel5 = new javax.swing.JLabel();

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

    jLabel1.setText("Username:");

    jLabel2.setText("Password:");

    jButton1.setText("Login");
    jButton1.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton1ActionPerformed(evt);
        }
    });

    jButton2.setText("Close");
    jButton2.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton2ActionPerformed(evt);
        }
    });

    jLabel3.setFont(new java.awt.Font("Tahoma", 1, 24)); // NOI18N
    jLabel3.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
    jLabel3.setText("Hospital Management System");
    jLabel3.setBorder(javax.swing.BorderFactory.createLineBorder(new
java.awt.Color(0, 0, 0)));

    jLabel4.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
    jLabel4.setText("Mithilesh Ghadge");

    jLabel5.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

```

```

jLabel5.setText("19BCE7309");

javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
        .createSequentialGroup()
            .addGap(0, 263, Short.MAX_VALUE)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
LEADING)
                .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.LEADING)
                    .addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED_SIZE,
127, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED_SIZE,
148, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(0, 1, Short.MAX_VALUE))
                .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
                .createSequentialGroup()
                    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.LEADING)
                        .addGroup(layout.createSequentialGroup()
                            .addComponent(jLabel1,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE,
Short.MAX_VALUE)
                            .addComponent(jLabel2,
javax.swing.GroupLayout.PREFERRED_SIZE, 80,
javax.swing.GroupLayout.PREFERRED_SIZE))
                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.
RELATED)
                        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Al
ignment.LEADING, false)
                            .addComponent(jTextField1)
                            .addComponent(jPasswordField1,
javax.swing.GroupLayout.PREFERRED_SIZE, 200,
javax.swing.GroupLayout.PREFERRED_SIZE)))
                    .addGroup(layout.createSequentialGroup()
                        .addGap(150, 150, 150)
                        .addComponent(jButton1)
                        .addGap(18, 18, 18)
                        .addComponent(jButton2)))
            .addGap(0, 1, Short.MAX_VALUE))
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
false)
            .addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED_SIZE, 127,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED_SIZE, 148,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(0, 1, Short.MAX_VALUE))
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING,
false)
            .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE, Short.MAX_VALUE)
            .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 80,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
false)
            .addComponent(jTextField1)
            .addComponent(jPasswordField1, javax.swing.GroupLayout.PREFERRED_SIZE,
200, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGroup(layout.createSequentialGroup()
            .addGap(150, 150, 150)
            .addComponent(jButton1)
            .addGap(18, 18, 18)
            .addComponent(jButton2)))
    .addGap(0, 1, Short.MAX_VALUE))

```

```

        .addGap(243, 243, 243))))
        .addComponent(jLabel3, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup())
        .addGap(32, 32, 32)
        .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 104,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
85, Short.MAX_VALUE)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
BASELINE)
        .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
BASELINE)
        .addComponent(jPasswordField1,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(6, 6, 6)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
BASELINE)
        .addComponent(jButton1)
        .addComponent(jButton2))
        .addGap(119, 119, 119)
        .addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(2, 2, 2)
        .addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED_SIZE, 31,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap())
    );

    pack();
} // </editor-fold>

```

```

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    if(jTextField1.getText().equals("mith") &&
jPasswordField1.getText().equals("mith"))

```

```

    {
        setVisible(false);
        new home().setVisible(true);
    }
    else
        JOptionPane.showMessageDialog(null, "incorrect credentials");
}

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    int a = JOptionPane.showConfirmDialog(null, "Do you want to close
application", "Select", JOptionPane.YES_NO_CANCEL_OPTION);
    if(a==0)
        System.exit(0);
}

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code
(optional) ">
    /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look
and feel.
    * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
    */
    try {
        for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
            if ("Nimbus".equals(info.getName())) {
                javax.swing.UIManager.setLookAndFeel(info.getClassName());
                break;
            }
        }
    } catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(login.class.getName()).log(java.util.logging.Level.S
EVERE, null, ex);
    } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(login.class.getName()).log(java.util.logging.Level.S
EVERE, null, ex);
    } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(login.class.getName()).log(java.util.logging.Level.S
EVERE, null, ex);

```

```

    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(login.class.getName()).log(java.util.logging.Level.S
EVERE, null, ex);
    }
//</editor-fold>

    /* Create and display the form */
    java.awt.EventQueue.invokeLater(new Runnable() {
        public void run() {
            new login().setVisible(true);
        }
    });
}

// Variables declaration - do not modify
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.JPasswordField jPasswordField1;
private javax.swing.JTextField jTextField1;
// End of variables declaration
}

```

2. home.java:

```

import javax.swing.JOptionPane;

/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */

/**
 *
 * @author mithi
 */
public class home extends javax.swing.JFrame {
    public int i=0;
    /**
     * Creates new form home
     */
}

```



```

public home() {
    initComponents();
}

/**
 * This method is called from within the constructor to initialize the form.
 * WARNING: Do NOT modify this code. The content of this method is always
 * regenerated by the Form Editor.
 */
@SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {

    jButton2 = new javax.swing.JButton();
    jButton3 = new javax.swing.JButton();
    jButton4 = new javax.swing.JButton();
    jButton5 = new javax.swing.JButton();
    jButton6 = new javax.swing.JButton();
    jButton7 = new javax.swing.JButton();

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

    jButton2.setText("Add patient Record");
    jButton2.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton2ActionPerformed(evt);
        }
    });

    jButton3.setText("Add Diagnosis");
    jButton3.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton3ActionPerformed(evt);
        }
    });

    jButton4.setText("Full History of patient");
    jButton4.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton4ActionPerformed(evt);
        }
    });

    jButton5.setText("Update Records");

    jButton6.setText("Hospital Info.");
    jButton6.addActionListener(new java.awt.event.ActionListener() {

```

```

        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton6ActionPerformed(evt);
        }
    });

    jButton7.setText("Logout");
    jButton7.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton7ActionPerformed(evt);
        }
    });

    javax.swing.GroupLayout layout = new
    javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addGap(319, 319, 319)
                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
    LEADING, false)
                    .addComponent(jButton4, javax.swing.GroupLayout.DEFAULT_SIZE,
    javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                    .addComponent(jButton3, javax.swing.GroupLayout.DEFAULT_SIZE,
    javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                    .addComponent(jButton2, javax.swing.GroupLayout.DEFAULT_SIZE,
    javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                    .addComponent(jButton5, javax.swing.GroupLayout.DEFAULT_SIZE,
    javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                    .addComponent(jButton6, javax.swing.GroupLayout.DEFAULT_SIZE,
    javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                    .addComponent(jButton7, javax.swing.GroupLayout.PREFERRED_SIZE,
    135, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(336, 336, 336)
            );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addGap(135, 135, 135)
                .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 35,
    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(jButton3, javax.swing.GroupLayout.PREFERRED_SIZE, 35,
    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(jButton4, javax.swing.GroupLayout.PREFERRED_SIZE, 35,
    javax.swing.GroupLayout.PREFERRED_SIZE)
            );

```

```

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jButton5, javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jButton6, javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jButton7, javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap(145, Short.MAX_VALUE))
    );

```

```

    pack();
} // </editor-fold>

```

```

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    new addnewpatientrecord().setVisible(true);
}

```

```

private void jButton7ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    int
aq=JOptionPane.showConfirmDialog(null,"Logout?","Select",JOptionPane.YES_NO_O
PTION);
    if(aq==0)
    {
        setVisible(false);
        new login().setVisible(true);
    }
}

```

```

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    new addDiagnosisInformation().setVisible(true);
}

```

```

private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    new fullhistoryOfThePatient().setVisible(true);
}

```

```

private void jButton6ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    new hospitalInformation().setVisible(true);
}

```

```

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code
(optional) ">
    /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look
and feel.
    * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
    */
    try {
        for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
            if ("Nimbus".equals(info.getName())) {
                javax.swing.UIManager.setLookAndFeel(info.getClassName());
                break;
            }
        }
    } catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(home.class.getName()).log(java.util.logging.Level.
SEVERE, null, ex);
    } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(home.class.getName()).log(java.util.logging.Level.
SEVERE, null, ex);
    } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(home.class.getName()).log(java.util.logging.Level.
SEVERE, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(home.class.getName()).log(java.util.logging.Level.
SEVERE, null, ex);
    }
    //</editor-fold>

    /* Create and display the form */
    java.awt.EventQueue.invokeLater(new Runnable() {
        public void run() {
            new home().setVisible(true);
        }
    });
}

```

```

// Variables declaration - do not modify
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;
// End of variables declaration
}

```

3. addnewpatientrecord.java:

```

import Project.ConnetionProvider;
import java.sql.*;
import javax.swing.JOptionPane;

/**
 *
 * @author mithi
 */
public class addnewpatientrecord extends javax.swing.JFrame {

    /**
     * Creates new form addnewpatientrecord
     */
    public addnewpatientrecord() {
        initComponents();
    }

    /**
     * This method is called from within the constructor to initialize the form.
     * WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jButton1 = new javax.swing.JButton();
        jLabel1 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        jLabel4 = new javax.swing.JLabel();
        jLabel5 = new javax.swing.JLabel();
        jLabel6 = new javax.swing.JLabel();
        jLabel7 = new javax.swing.JLabel();
        jLabel8 = new javax.swing.JLabel();
    }

```

```

jTextField1 = new javax.swing.JTextField();
jTextField2 = new javax.swing.JTextField();
jTextField3 = new javax.swing.JTextField();
jTextField4 = new javax.swing.JTextField();
jTextField6 = new javax.swing.JTextField();
jTextField7 = new javax.swing.JTextField();
jTextField8 = new javax.swing.JTextField();
jComboBox1 = new javax.swing.JComboBox<>();
jButton2 = new javax.swing.JButton();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

jButton1.setText("Close");
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});

jLabel1.setText("PatientID");

jLabel2.setText("Name");

jLabel3.setText("Contact no.");

jLabel4.setText("Age");

jLabel5.setText("Gender");

jLabel6.setText("Blood Group");

jLabel7.setText("Address");

jLabel8.setText("Other remarks");

jTextField1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jTextField1ActionPerformed(evt);
    }
});

jTextField2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jTextField2ActionPerformed(evt);
    }
});

```

```

jTextField3.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jTextField3ActionPerformed(evt);
    }
});

jTextField4.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jTextField4ActionPerformed(evt);
    }
});

jComboBox1.setModel(new javax.swing.DefaultComboBoxModel<>(new String[]
{ "Male", "Female", "Others" }));
jComboBox1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jComboBox1ActionPerformed(evt);
    }
});

jButton2.setText("Save");
jButton2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton2ActionPerformed(evt);
    }
});

javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
        .addContainerGap(227, Short.MAX_VALUE)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
TRAILING)
            .addGroup(layout.createSequentialGroup()
                .addComponent(jButton2)
                .addGap(18, 18, 18)
                .addComponent(jButton1))
            .addGroup(layout.createSequentialGroup()
                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.LEADING)
                    .addComponent(jLabel1)
                    .addComponent(jLabel3)
                    .addComponent(jLabel4)

```

```

        .addComponent(jLabel5)
        .addComponent(jLabel6)
        .addComponent(jLabel7)
        .addComponent(jLabel8)
        .addComponent(jLabel2))
        .addGap(50, 50, 50)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.LEADING)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alig
nment.TRAILING, false)
                .addComponent(jTextField4,
javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.DEFAULT_SIZE, 200, Short.MAX_VALUE)
                .addComponent(jTextField3,
javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(jTextField2,
javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(jTextField1,
javax.swing.GroupLayout.Alignment.LEADING))
                .addComponent(jComboBox1,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jTextField6,
javax.swing.GroupLayout.PREFERRED_SIZE, 200,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jTextField7,
javax.swing.GroupLayout.PREFERRED_SIZE, 200,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jTextField8,
javax.swing.GroupLayout.PREFERRED_SIZE, 200,
javax.swing.GroupLayout.PREFERRED_SIZE))))
        .addGap(244, 244, 244))
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addGap(99, 99, 99)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
BASELINE)
                .addComponent(jLabel1)
                .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(9, 9, 9)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
BASELINE)
                .addComponent(jLabel2)

```



```

        .addComponent(jTextField2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
BASELINE)
        .addComponent(jLabel3)
        .addComponent(jTextField3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
BASELINE)
        .addComponent(jLabel4)
        .addComponent(jTextField4, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
BASELINE)
        .addComponent(jLabel5)
        .addComponent(jComboBox1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
BASELINE)
        .addComponent(jLabel6)
        .addComponent(jTextField6, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
BASELINE)
        .addComponent(jLabel7)
        .addComponent(jTextField7, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
BASELINE)
        .addComponent(jLabel8)
        .addComponent(jTextField8, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
BASELINE)
        .addComponent(jButton2)
        .addComponent(jButton1))
        .addContainerGap(103, Short.MAX_VALUE))
    );

    pack();

```

```
}// </editor-fold>
```

```
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {  
    // TODO add your handling code here:  
    setVisible(false);  
}
```

```
private void jComboBox1ActionPerformed(java.awt.event.ActionEvent evt) {  
    // TODO add your handling code here:  
}
```

```
private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {  
    // TODO add your handling code here:  
    String PatientID=jTextField1.getText();  
    String Name=jTextField2.getText();  
    String ContactNumber=jTextField3.getText();  
    String Age=jTextField4.getText();  
    String Gender=(String)jComboBox1.getSelectedItem();  
    String BloodGroup=jTextField6.getText();  
    String Address=jTextField7.getText();  
    String Remark=jTextField8.getText();  
    try  
    {  
        Connection con=ConnetionProvider.getcon();  
        Statement st=con.createStatement();  
        st.executeUpdate("insert into patient  
values('"+PatientID+"','"+Name+"','"+ContactNumber+"','"+Age+"','"+Gender+"','"+BloodGroup+"','"+Address+"','"+Remark+"')");  
        JOptionPane.showMessageDialog(null, "Successfully updated");  
        setVisible(false);  
        new addnewpatientrecord().setVisible(true);  
    }  
    catch(Exception e)  
    {  
        JOptionPane.showMessageDialog(null, "Enter data in correct format");  
    }  
}
```

```
private void jTextField1ActionPerformed(java.awt.event.ActionEvent evt) {  
    // TODO add your handling code here:  
}
```

```
private void jTextField2ActionPerformed(java.awt.event.ActionEvent evt) {  
    // TODO add your handling code here:  
}
```

```
private void jTextField3ActionPerformed(java.awt.event.ActionEvent evt) {
```

```

    // TODO add your handling code here:
}

private void jTextField4ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code
(optional) ">
    /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look
and feel.
    * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
    */
    try {
        for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
            if ("Nimbus".equals(info.getName())) {
                javax.swing.UIManager.setLookAndFeel(info.getClassName());
                break;
            }
        }
    } catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(addnewpatientrecord.class.getName()).log(java.ut
il.logging.Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(addnewpatientrecord.class.getName()).log(java.ut
il.logging.Level.SEVERE, null, ex);
    } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(addnewpatientrecord.class.getName()).log(java.ut
il.logging.Level.SEVERE, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(addnewpatientrecord.class.getName()).log(java.ut
il.logging.Level.SEVERE, null, ex);
    }
}
//</editor-fold>

    /* Create and display the form */

```

```

        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new addnewpatientrecord().setVisible(true);
            }
        });
    }

    // Variables declaration - do not modify
    private javax.swing.JButton jButton1;
    private javax.swing.JButton jButton2;
    private javax.swing.JComboBox<String> jComboBox1;
    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.JLabel jLabel8;
    private javax.swing.JTextField jTextField1;
    private javax.swing.JTextField jTextField2;
    private javax.swing.JTextField jTextField3;
    private javax.swing.JTextField jTextField4;
    private javax.swing.JTextField jTextField6;
    private javax.swing.JTextField jTextField7;
    private javax.swing.JTextField jTextField8;
    // End of variables declaration
}

```

4. addDiagnosisInformation.java:

```

import Project.ConnetionProvider;
import java.sql.*;
import javax.swing.JOptionPane;
import net.proteanit.sql.DbUtils;
/**
 *
 * @author mithi
 */
public class addDiagnosisInformation extends javax.swing.JFrame {
    public int flag=0;
    /**
     * Creates new form addDiagnosisInformation
     */
    public addDiagnosisInformation() {
        initComponents();
        jLabel2.setVisible(false);
    }
}

```

```

        jLabel7.setVisible(false);
        jComboBox1.setVisible(false);
    }

    /**
     * This method is called from within the constructor to initialize the form.
     * WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jLabel1 = new javax.swing.JLabel();
        jTextField1 = new javax.swing.JTextField();
        jButton1 = new javax.swing.JButton();
        jLabel2 = new javax.swing.JLabel();
        jScrollPane1 = new javax.swing.JScrollPane();
        jTable1 = new javax.swing.JTable();
        jLabel3 = new javax.swing.JLabel();
        jLabel4 = new javax.swing.JLabel();
        jLabel5 = new javax.swing.JLabel();
        jLabel6 = new javax.swing.JLabel();
        jLabel7 = new javax.swing.JLabel();
        jTextField2 = new javax.swing.JTextField();
        jTextField3 = new javax.swing.JTextField();
        jTextField4 = new javax.swing.JTextField();
        jCheckBox1 = new javax.swing.JCheckBox();
        jComboBox1 = new javax.swing.JComboBox<>();
        jButton2 = new javax.swing.JButton();
        jButton3 = new javax.swing.JButton();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

        jLabel1.setText("PatientID");

        jButton1.setText("Search");
        jButton1.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton1ActionPerformed(evt);
            }
        });

        jLabel2.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
        jLabel2.setForeground(new java.awt.Color(255, 0, 0));
        jLabel2.setText("Patient does not exist");
    }

```

```

jTable1.setModel(new javax.swing.table.DefaultTableModel(
    new Object [][] {
        {null, null, null, null}
    },
    new String [] {
        "Title 1", "Title 2", "Title 3", "Title 4"
    }
));
jScrollPane1.setViewportView(jTable1);

jLabel3.setText("Symptom");

jLabel4.setText("Diagnosis");

jLabel5.setText("Meds");

jLabel6.setText("Opt for ward");

jLabel7.setText("Ward Type");

jTextField2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jTextField2ActionPerformed(evt);
    }
});

jTextField3.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jTextField3ActionPerformed(evt);
    }
});

jCheckBox1.setText("Yes");
jCheckBox1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jCheckBox1ActionPerformed(evt);
    }
});

jComboBox1.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] {
    "General", "Single", "Duo" }));

jButton2.setText("Save");
jButton2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton2ActionPerformed(evt);
    }
}

```

```

});

jButton3.setText("Close");
jButton3.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton3ActionPerformed(evt);
    }
});

javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
        .addGap(37, 37, 37)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
LEADING)
            .addGroup(layout.createSequentialGroup()
                .addComponent(jLabel5)
                .addGap(39, 39, 39))
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELA
TED, 1, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.LEADING)
                    .addComponent(jLabel3)
                    .addComponent(jLabel4))
                .addGap(18, 18, 18)))
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
LEADING)
            .addGroup(layout.createSequentialGroup()
                .addComponent(jTextField4, javax.swing.GroupLayout.PREFERRED_SIZE,
300, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addContainerGap(389, Short.MAX_VALUE))
            .addGroup(layout.createSequentialGroup()
                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.LEADING)
                    .addComponent(jTextField2,
javax.swing.GroupLayout.PREFERRED_SIZE, 301,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jTextField3,
javax.swing.GroupLayout.PREFERRED_SIZE, 300,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(100, 100, 100)

```

```
.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(jLabel6)
    .addComponent(jLabel7))
    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addGap(18, 18, 18)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(jComboBox1,
                    javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jCheckBox1)))
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(jButton2)
                .addGap(18, 18, 18)
                .addComponent(jButton3)
                .addGap(66, 66, 66))))))
    .addGroup(layout.createSequentialGroup()
        .addComponent(jScrollPane1)
        .addGroup(layout.createSequentialGroup()
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(layout.createSequentialGroup()
                    .addGroup(layout.createSequentialGroup()
                        .addGroup(layout.createSequentialGroup()
                            .addGap(307, 307, 307)
                            .addComponent(jLabel2))
                        .addGroup(layout.createSequentialGroup()
                            .addGroup(layout.createSequentialGroup()
                                .addGap(232, 232, 232)
                                .addComponent(jLabel1)
                                .addGap(18, 18, 18)
                                .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE, 139, javax.swing.GroupLayout.PREFERRED_SIZE)
                                .addGap(108, 108, 108)
                                .addComponent(jButton1)))
                            .addGap(0, 0, Short.MAX_VALUE))
                        .addGap();
                    layout.setVerticalGroup(
                        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                            .addGroup(layout.createSequentialGroup()
                                .addGroup(layout.createSequentialGroup()
                                    .addGap(90, 90, 90)
                                    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
```



```

        .addComponent(jLabel1)
        .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jButton1))
        .addGap(13, 13, 13)
        .addComponent(jLabel2)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELAT
ED)
        .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
48, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(18, 18, 18)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
LEADING)
            .addGroup(layout.createSequentialGroup()
                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.BASELINE)
                    .addComponent(jLabel6, javax.swing.GroupLayout.PREFERRED_SIZE,
28, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jCheckBox1))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELA
TED)
                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.BASELINE)
                    .addComponent(jLabel7)
                    .addComponent(jComboBox1,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)))
                .addGroup(layout.createSequentialGroup()
                    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.TRAILING)
                        .addComponent(jTextField2,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addComponent(jLabel3))
                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRE
LATED)
                    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.BASELINE)
                        .addComponent(jTextField3,
javax.swing.GroupLayout.PREFERRED_SIZE, 20,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addComponent(jLabel4))
                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRE
LATED)
                    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.BASELINE)

```

```

        .addComponent(jTextField4,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel5))))
        .addGap(49, 49, 49)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
BASELINE)
        .addComponent(jButton2)
        .addComponent(jButton3))
        .addContainerGap(141, Short.MAX_VALUE))
    );

```

```

    pack();
} // </editor-fold>

```

```

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    setVisible(false);
}

```

```

private void jCheckBox1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    if(jCheckBox1.isSelected())
    {
        jLabel7.setVisible(true);
        jComboBox1.setVisible(true);
    }
    else
    {
        jLabel7.setVisible(false);
        jComboBox1.setVisible(false);
    }
}

```

```

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    String patientID=jTextField1.getText();
    try
    {
        Connection con=ConnetionProvider.getcon();
        Statement st = con.createStatement (ResultSet.TYPE_SCROLL_INSENSITIVE,
ResultSet.CONCUR_READ_ONLY);
        ResultSet rs=st.executeQuery("select *from patient where
patientID='"+patientID+"'");
        jTable1.setModel(DbUtils.resultSetToTableModel(rs));
        if(!rs.first())
            jLabel2.setVisible(true);
    }
}

```

```

        else
        {
            jLabel2.setVisible(false);
            jTextField1.setEditable(false);
            flag=1;
        }
    }
    catch(Exception e)
    {
        JOptionPane.showMessageDialog(null, "Connection error");
    }
}

```

```

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    if(flag==1)
    {
        String patientID=jTextField1.getText();
        String symptom=jTextField2.getText();
        String diagnosis=jTextField3.getText();
        String medicines=jTextField4.getText();
        String wardReq;
        String typeward;
        if(jCheckBox1.isSelected())
        {
            wardReq="YES";
            typeward=(String)jComboBox1.getSelectedItem();
        }
        else
        {
            wardReq="NO";
            typeward="";
        }
        try
        {
            Connection con=ConnetionProvider.getcon();
            Statement st=con.createStatement();
            st.executeUpdate("insert into patientreport
values('"+patientID+"','"+symptom+"','"+diagnosis+"','"+medicines+"','"+wardReq+"',
 '"+typeward+"')");
            JOptionPane.showMessageDialog(null, "Successfully Updated");
            setVisible(false);
            new addDiagnosisInformation().setVisible(true);
        }
        catch(Exception e)
        {

```

```

        JOptionPane.showMessageDialog(this, e);
    }
}
else{
    JOptionPane.showMessageDialog(null, "PatientID is empty");
}
}

private void jTextField2ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void jTextField3ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code
(optional) ">
    /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look
and feel.
    * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
    */
    try {
        for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
            if ("Nimbus".equals(info.getName())) {
                javax.swing.UIManager.setLookAndFeel(info.getClassName());
                break;
            }
        }
    } catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(addDiagnosisInformation.class.getName()).log(jav
a.util.logging.Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(addDiagnosisInformation.class.getName()).log(jav
a.util.logging.Level.SEVERE, null, ex);
    } catch (IllegalAccessException ex) {

```

```

java.util.logging.Logger.getLogger(addDiagnosisInformation.class.getName()).log(java
a.util.logging.Level.SEVERE, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

```

```

java.util.logging.Logger.getLogger(addDiagnosisInformation.class.getName()).log(java
a.util.logging.Level.SEVERE, null, ex);
    }
//</editor-fold>

```

```

/* Create and display the form */
java.awt.EventQueue.invokeLater(new Runnable() {
    public void run() {
        new addDiagnosisInformation().setVisible(true);
    }
});
}

```

```

// Variables declaration - do not modify
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton2;
private javax.swing.JButton jButton3;
private javax.swing.JCheckBox jCheckBox1;
private javax.swing.JComboBox<String> jComboBox1;
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.JScrollPane jScrollPane1;
private javax.swing.JTable jTable1;
private javax.swing.JTextField jTextField1;
private javax.swing.JTextField jTextField2;
private javax.swing.JTextField jTextField3;
private javax.swing.JTextField jTextField4;
// End of variables declaration
}

```

5. fullhistoryOfThePatient.java:

```

/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */

```

```

import Project.ConnetionProvider;
import java.sql.*;
import javax.swing.JOptionPane;
import net.proteanit.sql.DbUtils;
/**
 *
 * @author mithi
 */
public class fullhistoryOfThePatient extends javax.swing.JFrame {

    /**
     * Creates new form fullhistoryOfThePatient
     */
    public fullhistoryOfThePatient() {
        initComponents();
    }

    /**
     * This method is called from within the constructor to initialize the form.
     * WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jScrollPane1 = new javax.swing.JScrollPane();
        jTable1 = new javax.swing.JTable();
        jButton1 = new javax.swing.JButton();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        addComponentListener(new java.awt.event.ComponentAdapter() {
            public void componentShown(java.awt.event.ComponentEvent evt) {
                formComponentShown(evt);
            }
        });

        jTable1.setModel(new javax.swing.table.DefaultTableModel(
            new Object [][] {
                {null, null, null, null},
                {null, null, null, null},
                {null, null, null, null},
                {null, null, null, null}
            },
            new String [] {
                "Title 1", "Title 2", "Title 3", "Title 4"
            }
        )

```

```

));
jScrollPane1.setViewportView(jTable1);

jButton1.setText("Close");
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});

javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
790, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE,
Short.MAX_VALUE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addContainerGap())
        .addGroup(layout.createSequentialGroup()
            .addComponent(jButton1)
            .addContainerGap())
);
layout.setVerticalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addComponent(jScrollPane1, javax.swing.GroupLayout.DEFAULT_SIZE, 418,
Short.MAX_VALUE)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(jButton1)
            .addContainerGap())
);

pack();
}

```

```

private void formComponentShown(java.awt.event.ComponentEvent evt) {
    // TODO add your handling code here:
    try
    {
        Connection con=ConnetionProvider.getcon();
        Statement st=con.createStatement();
    }
}

```

```

        ResultSet rs=st.executeQuery("select *from patient inner join patientreport
where patient.patientID=patientreport.patientID");
        jTable1.setAutoResizeMode(jTable1.AUTO_RESIZE_OFF);
        jTable1.setModel(DbUtils.resultSetToTableModel(rs));
    }
    catch(Exception e)
    {
        JOptionPane.showMessageDialog(null, "Connection Error");
    }
}

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    setVisible(false);
}

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code
(optional) ">
    /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look
and feel.
    * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
    */
    try {
        for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
            if ("Nimbus".equals(info.getName())) {
                javax.swing.UIManager.setLookAndFeel(info.getClassName());
                break;
            }
        }
    }
    catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(fullhistoryOfThePatient.class.getName()).log(java.
util.logging.Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(fullhistoryOfThePatient.class.getName()).log(java.
util.logging.Level.SEVERE, null, ex);
    } catch (IllegalAccessException ex) {

```



```

java.util.logging.Logger.getLogger(fullhistoryOfThePatient.class.getName()).log(java.
util.logging.Level.SEVERE, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

```

```

java.util.logging.Logger.getLogger(fullhistoryOfThePatient.class.getName()).log(java.
util.logging.Level.SEVERE, null, ex);
    }
//</editor-fold>

```

```

/* Create and display the form */
java.awt.EventQueue.invokeLater(new Runnable() {
    public void run() {
        new fullhistoryOfThePatient().setVisible(true);
    }
});
}

```

```

// Variables declaration - do not modify
private javax.swing.JButton jButton1;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JTable jTable1;
// End of variables declaration
}

```

6. hospitalInformation.java:

```

/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */

```

```

/**
 *
 * @author mithi
 */
public class hospitalInformation extends javax.swing.JFrame {

```

```

/**
 * Creates new form hospitalInformation
 */
public hospitalInformation() {
    initComponents();
}

```

```

/**

```

```

* This method is called from within the constructor to initialize the form.
* WARNING: Do NOT modify this code. The content of this method is always
* regenerated by the Form Editor.
*/
@SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {

    jScrollPane1 = new javax.swing.JScrollPane();
    jTextArea1 = new javax.swing.JTextArea();
    jButton1 = new javax.swing.JButton();

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

    jTextArea1.setColumns(20);
    jTextArea1.setRows(5);
    jTextArea1.setText("Hospital management system is a computer system that
helps manage the information related\nto health care and aids in the job completion
of health care providers effectively. \nThey manage the data related to all
departments of healthcare such as,Clinical\nFinancial, Laboratory, Inpatient,
Outpatient, Operation theater, Materials,\nNursing, Pharmaceutical, Radiology and
Pathology etc.");
    jScrollPane1.setViewportView(jTextArea1);

    jButton1.setText("Close");
    jButton1.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton1ActionPerformed(evt);
        }
    });

    javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addGap(26, 26, 26)
                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
TRAILING)
                    .addComponent(jButton1)
                    .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
728, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(36, Short.MAX_VALUE))
            .addGroup(layout.createSequentialGroup()
                .addGap(26, 26, 26)
                .addComponent(jButton1)
                .addGap(36, Short.MAX_VALUE))
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addGap(26, 26, 26)
                .addComponent(jButton1)
                .addGap(36, Short.MAX_VALUE))
    );
}

```

```

        .addGroup(layout.createSequentialGroup()
            .addContainerGap(184, Short.MAX_VALUE)
            .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
141, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(jButton1)
            .addGap(166, 166, 166))
        );

    pack();
} // </editor-fold>

```

```

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    setVisible(false);
}

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code
(optional) ">
    /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look
and feel.
    * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
    */
    try {
        for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
            if ("Nimbus".equals(info.getName())) {
                javax.swing.UIManager.setLookAndFeel(info.getClassName());
                break;
            }
        }
    } catch (ClassNotFoundException ex) {

        java.util.logging.Logger.getLogger(hospitalInformation.class.getName()).log(java.util.
logging.Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {

        java.util.logging.Logger.getLogger(hospitalInformation.class.getName()).log(java.util.
logging.Level.SEVERE, null, ex);
    } catch (IllegalAccessException ex) {

```

```

java.util.logging.Logger.getLogger(hospitalInformation.class.getName()).log(java.util.
logging.Level.SEVERE, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

```

```

java.util.logging.Logger.getLogger(hospitalInformation.class.getName()).log(java.util.
logging.Level.SEVERE, null, ex);
    }
//</editor-fold>

```

```

/* Create and display the form */
java.awt.EventQueue.invokeLater(new Runnable() {
    public void run() {
        new hospitalInformation().setVisible(true);
    }
});
}

```

```

// Variables declaration - do not modify
private javax.swing.JButton jButton1;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JTextArea jTextArea1;
// End of variables declaration
}

```

7. HospitalManagement.java:

```

/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package hospital.management;

/**
 *
 * @author mithi
 */
public class HospitalManagement {

    /**
     * @param args the command line arguments
     */
    public static void main(String[] args) {
        // TODO code application logic here
    }
}

```

Connection code:

ConnectionProvider.java:

```
/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package Project;
import java.sql.*;
import java.sql.DriverManager;

/**
 *
 * @author mithi
 */
public class ConnetionProvider {
    public static Connection getcon()
    {
        try
        {
            Class.forName("com.mysql.jdbc.Driver");
            Connection
con=DriverManager.getConnection("jdbc:mysql://localhost:3306/project","root","22
98");
            return con;
        }
        catch(Exception e)
        {
            return null;
        }
    }
}
```