HOSPITAL MANAGEMENT SYSTEM

Introduction :-

The hospital management system (HMS) is an integrated software that handles different directions of clinic workflows.It manages the smooth healthcare performance that makes it easier and convenient to manage the details of patient in a hospital.

The project Hospital Management system includes registration of patients, diagnosis, full history of the patient, update patient record and hospital information. The software has the facility to give a unique id for every patient and stores the details of every patient along with diagnosis.

The Hospital Management System can be entered using a username and password. It is accessible either by an administrator or receptionist. Only they can add data into the database. The data can be retrieved easily. The interface is very user-friendly. The data are well protected for personal use and makes the data processing very fast.

The purpose of the project entitled as "HOSPITAL MANAGEMENT SYSTEM" is to computerize the Front Office Management of Hospital to develop software which is user friendly, simple, fast, and cost – effective. It deals with the collection of patient's information, diagnosis details, etc. Traditionally, it was done manually. The main function of the system is to register and store patient details and retrieve these details as and when required.

Advantages :-

- It is fast, efficient and reliable
- Avoids data redundancy and inconsistency
- Very user-friendly
- Easy accessibility of data
- Number of personnel required is considerably less
- Provides more security and integrity to data

Project Overview :-

The Hospital Management System (HMS) is designed for any hospital to replace their existing manual, paper based system. The new system is to control the following information: patient information, diagnosis, full history of the patient, update the patient record and hospital information. These services are to be provided in an efficient, cost effective manner, with the goal of reducing the time and resources

currently required for such tasks. The main aim is to manage patient details in a hospital efficiently. It consists of Front-end Java programs and connector program with some libraries / jar files to connect with Back-end mysql database.

Software Requirements :-

MYSQL 8.0
Microsoft Windows 10 as an Operating System
Google Docs for report
NetBeans IDE 8.2
Mysql-connector.jar and rs2xml.jar (for connection between Java IDE and MYSQL)
JDK 1.8

Limitation :-

A typical hospital management system, which covers all functional areas, is large enough. In our short project period it was difficult to develop all system components. Thus I decided to reduce the size of our systems in the design phase. I have designed only operational activities of a typical computer aided hospital management systems.

Conclusion :-

The project was designed in such a way that future modifications can be done easily. The following conclusion can be deduced from the development of the project.

- Automation of the entire system improves the efficiency

- It provides a friendly graphical user interface which proves to be better when

   compared to the existing system.

- It gives appropriate access to the authorized users depending on their permissions.

- It effectively overcomes the delay in communications.

- Updating of information becomes so easier.

- System security, data security and reliability are the striking features.

- The System has adequate scope for modification in future if it is necessary.

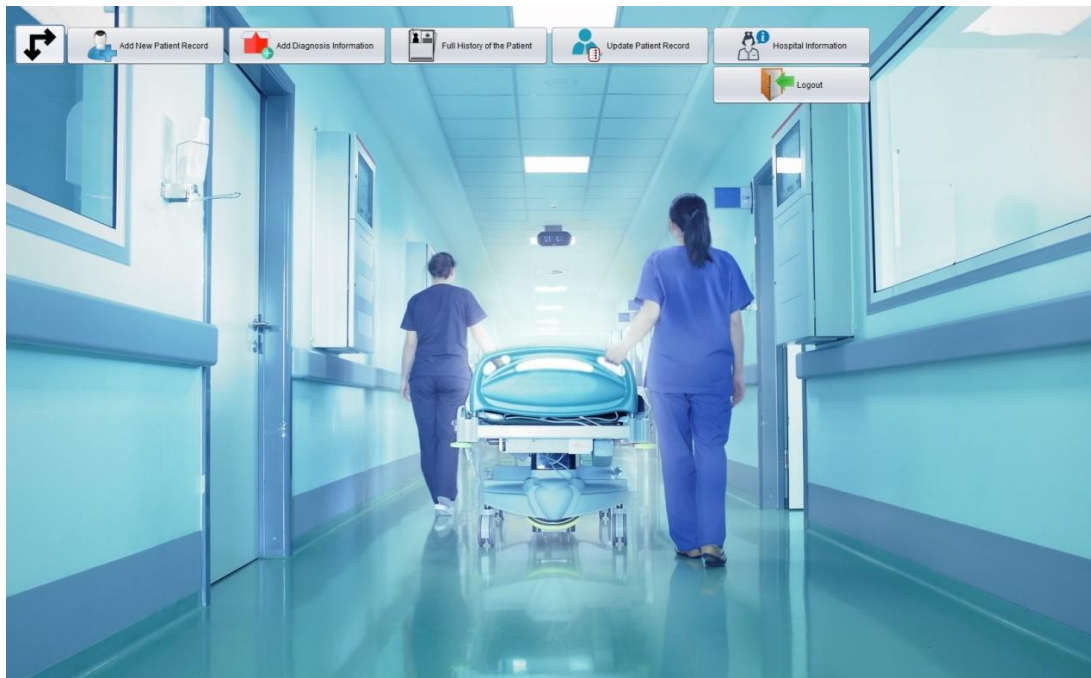**Snap-shots of the project :-**

Login.java

If we enter wrong username or password it will show a message as Incorrect username or password.
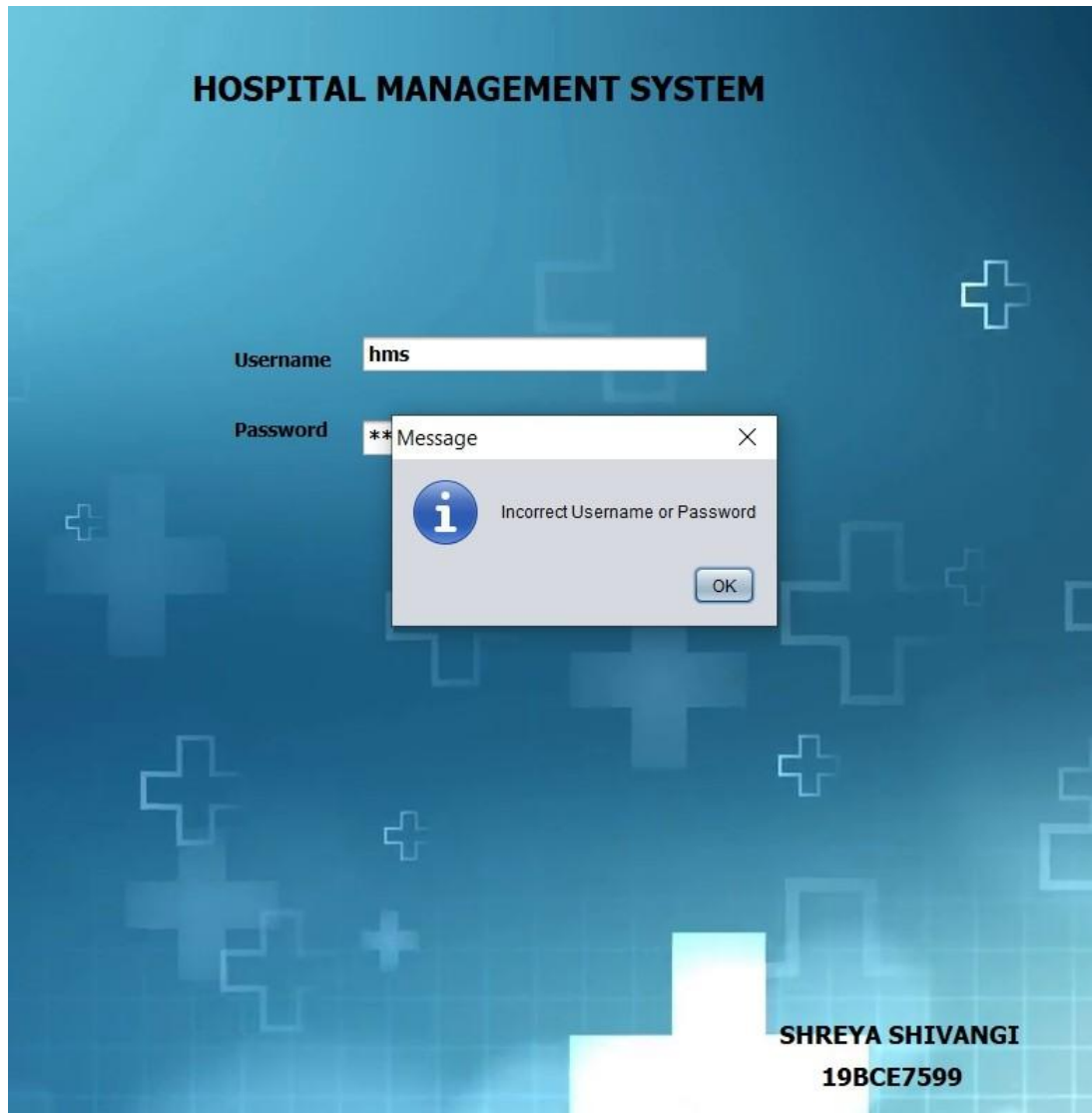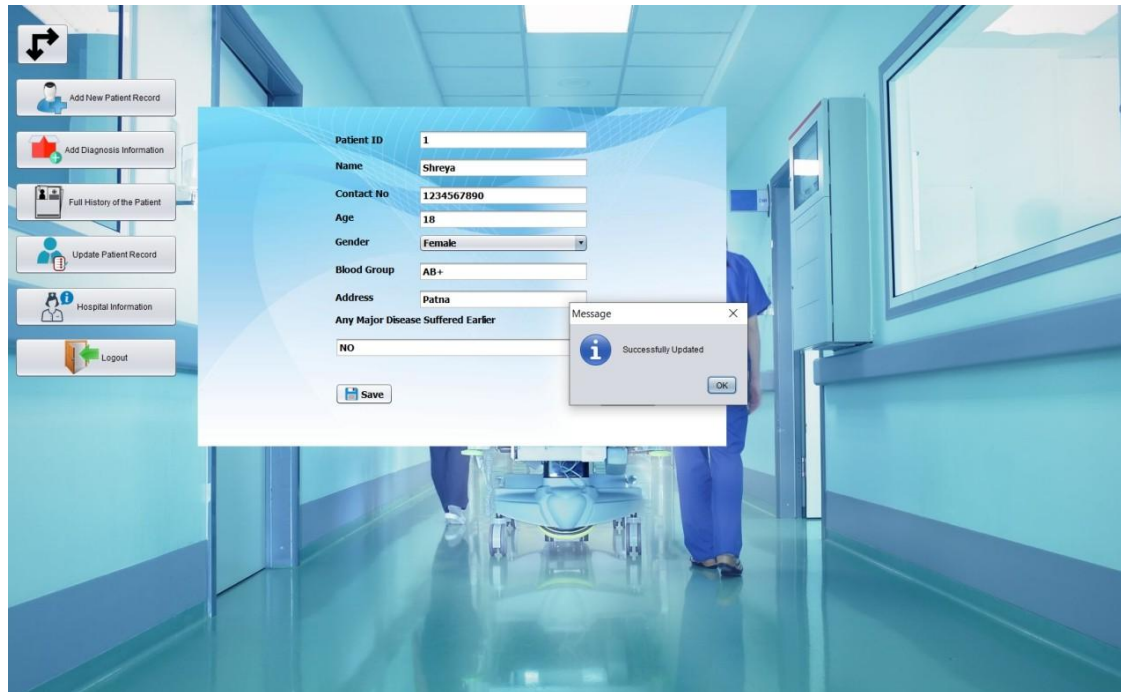
Home.java

The arrow button is used to change the direction of other buttons from vertical to horizontal , whichever way is convenient by the user.
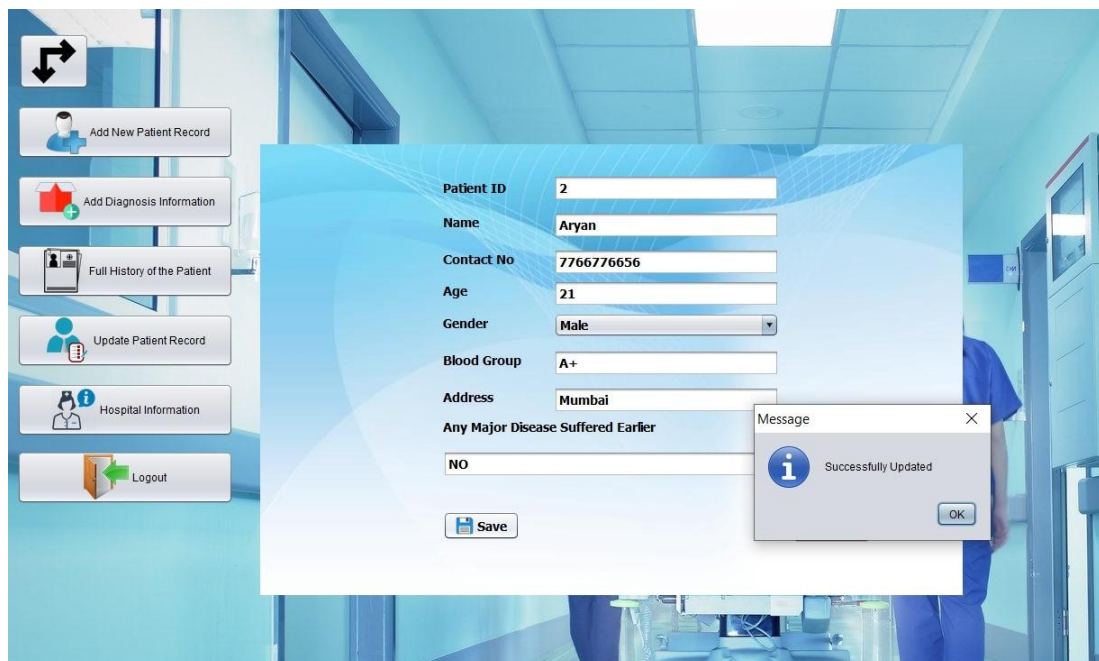
AddNewPatientRecord.java

When we enter correct information about the patient and save it then, it will show the message "Successfully Updated" as it is being shown for patient 1 when we enter the details correctly.

Same as for patient 2

AddDiagnosisInformation.java

When we enter the incorrect Patient ID that has not been added in the AddNewPatientRecord , then it will show the message as "PatientID does not Exist".
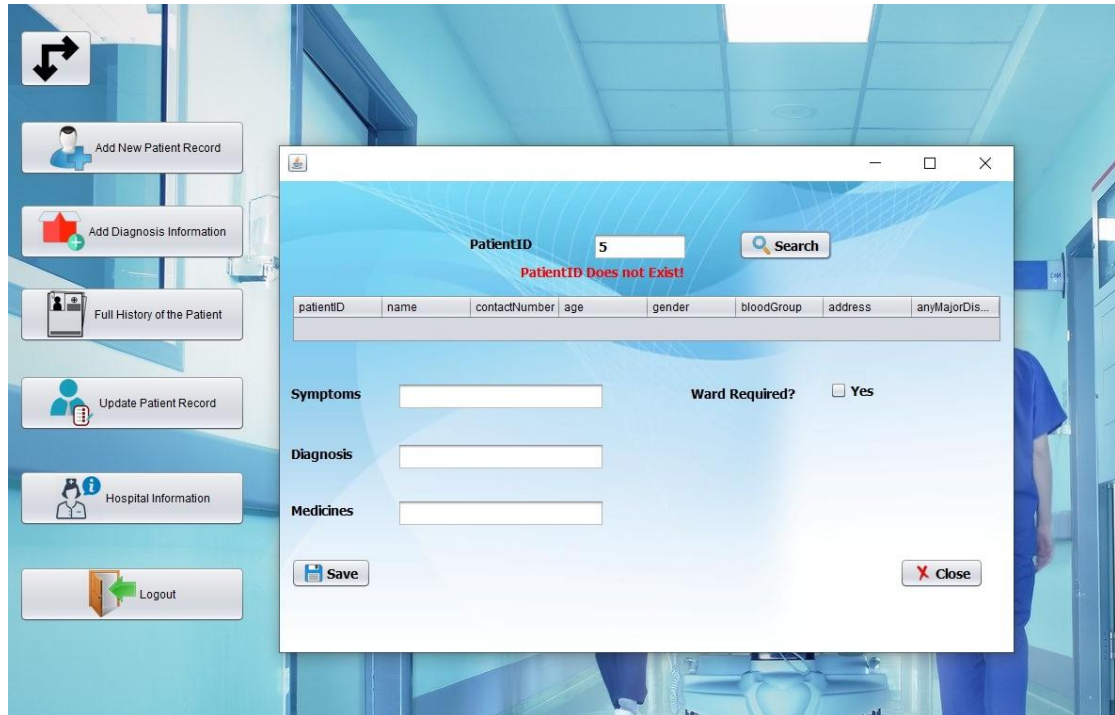
When we enter the correct Patient ID and click on Search button , it will display the details of patient that we have entered in Add New Patient Record and when we enter all the details correctly and save it then it will show the message as "Successfully Updated".
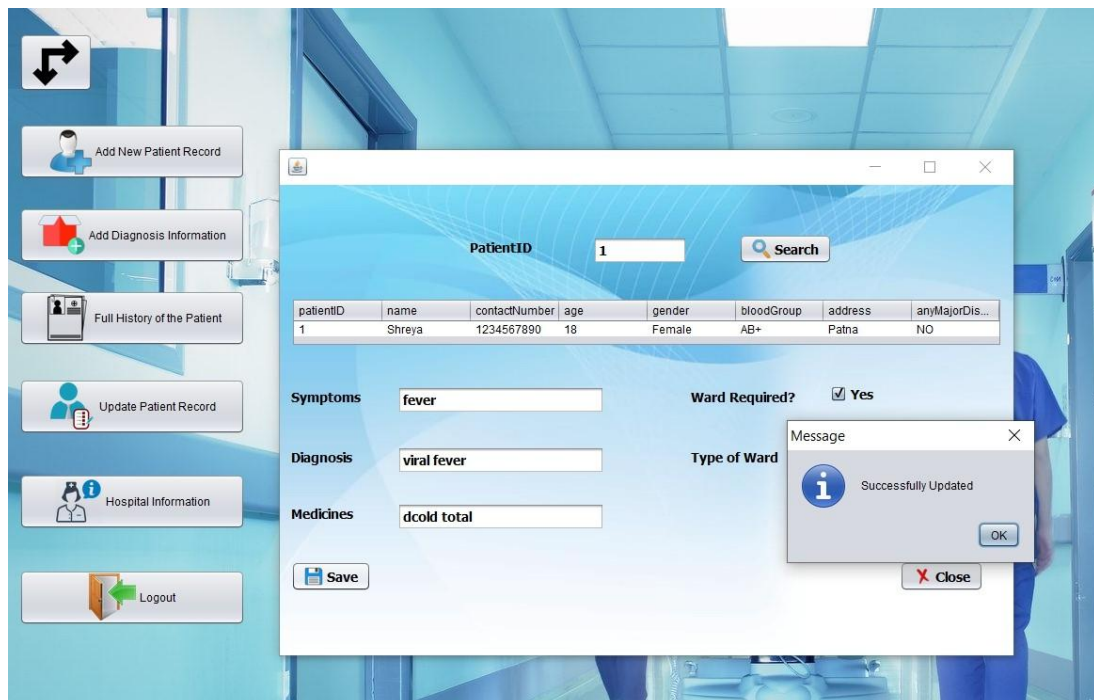
When we have entered all the details correctly, then there is the option shown as "Ward Required". If we click on "YES", then it will show the user that which type of ward they want that is available in the hospital.

After we have entered all the information correctly and save it then, it will show the message as "Successfully Updated".

FullHistoryOfThePatient.java

It will display all the information that we have entered in Add New Patient Record and Add New Diagnosis Information.
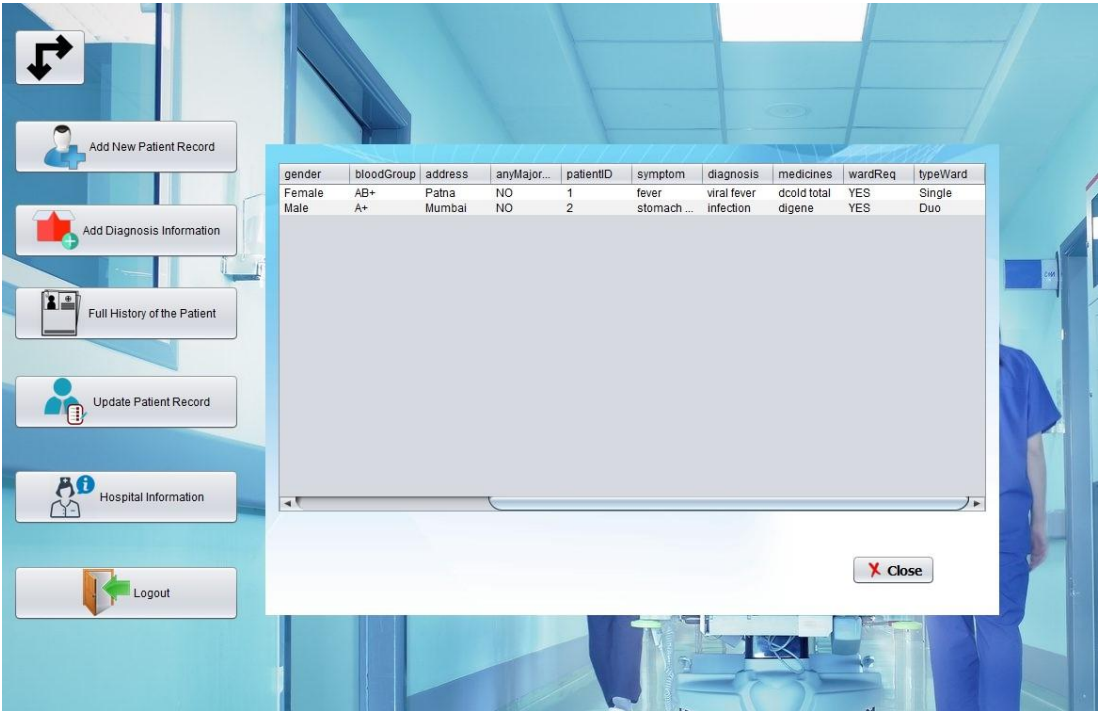
UpdatePatientRecord.java

When we enter the correct patient id and click on search , it will display all the details of the patient that was entered earlier. If we want to update any information , we can update here and then click on save and it will show the message as "Successfully Updated".
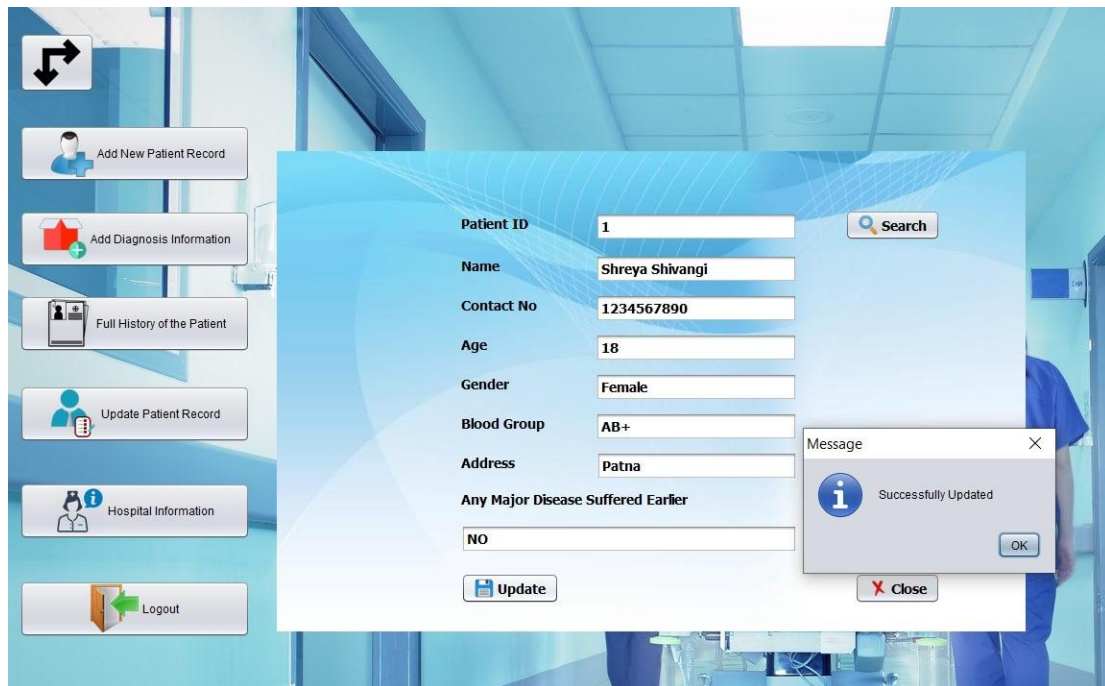
HospitalInformation.java

All the details of the hospital are shown here.
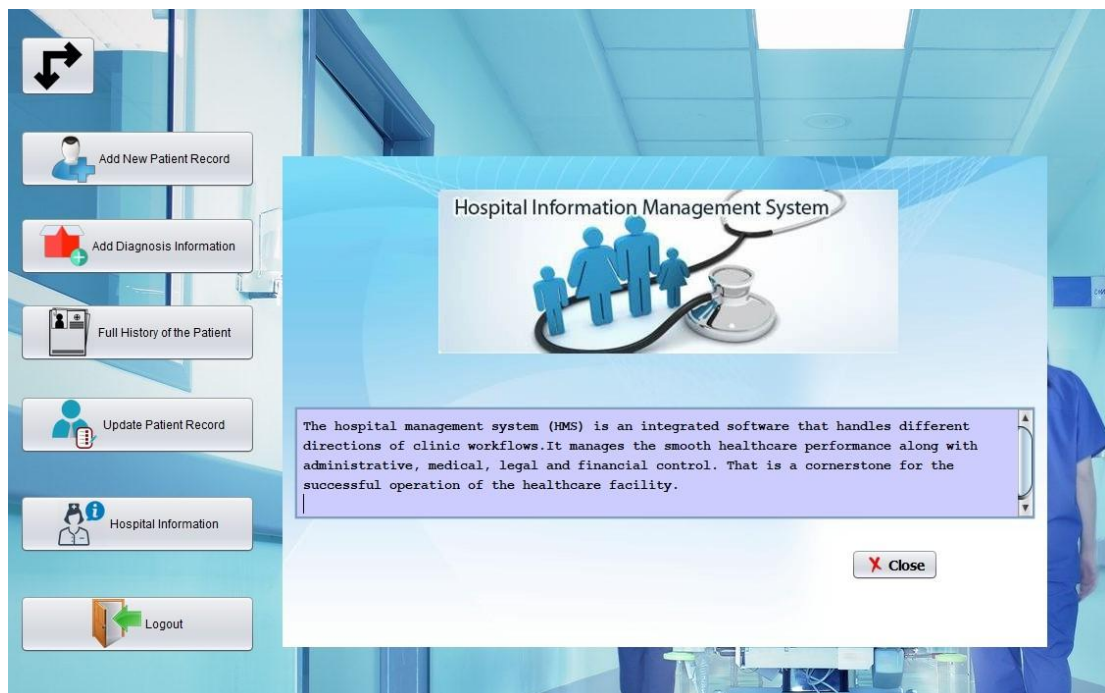
Logout.java

When we click on logout button , it will show the message "Do you really want to logout".

When we click on "YES" that we really want to logout then, it will take us back to the home page and a message will be displayed as "Do you really want to close the application". If you click on "YES" then you are successfully logged out.
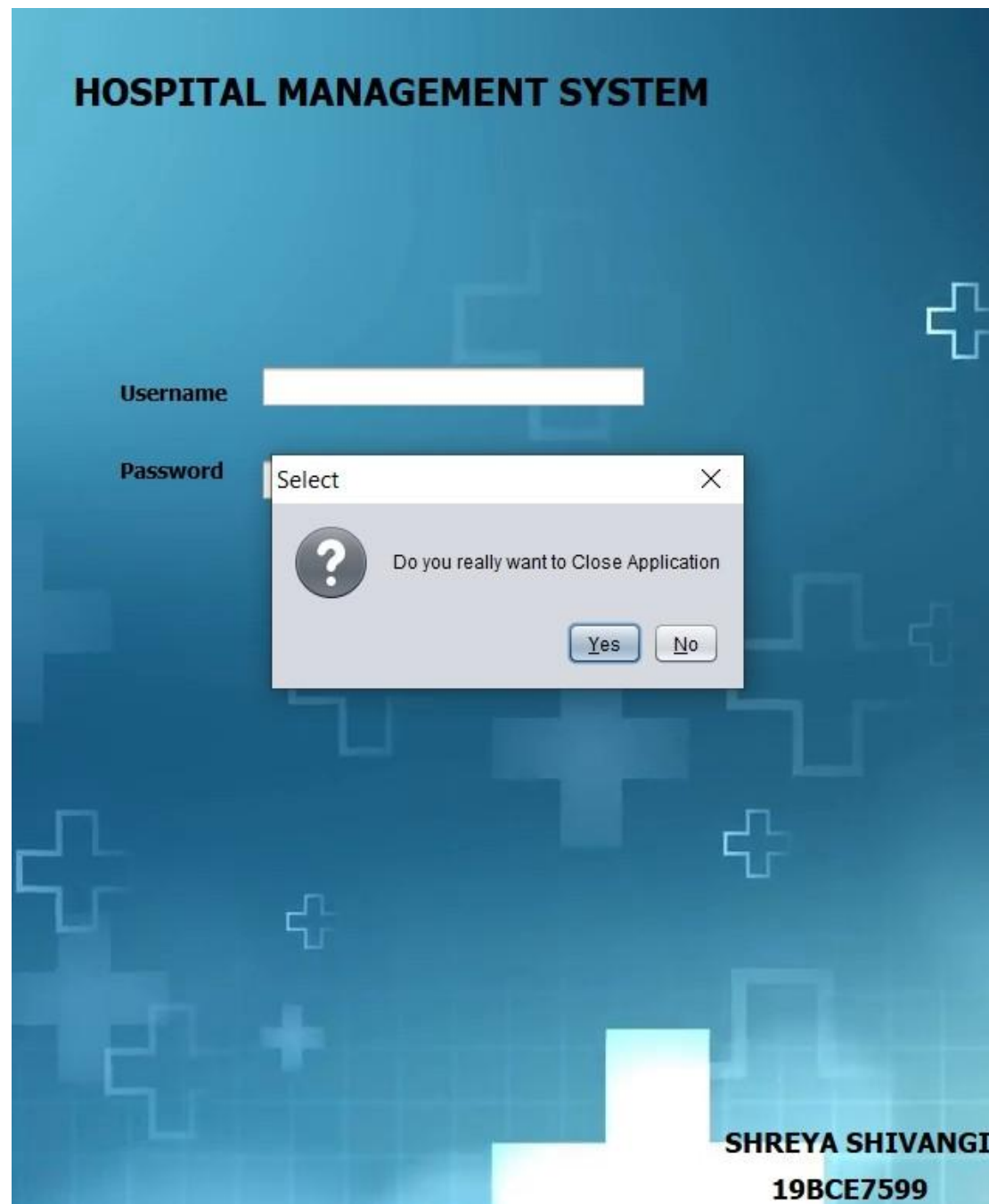
MYSQL Database

To create the patient 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),anyMajorDisease
varchar(500));

To display the patient table :-

select * from patient;

It will display all the details of the patient that we have entered in the "Add New
Patient Record".

To create the patient report table :-

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

To display the patient report table :--

select * from patientreport;

It will display all the details of the patient that we have entered in the "Add Diagnosis
Information".

When we update the patient details in the "Update Patient Record" and save it. Then if we again display the table using the query "select * from patient;" it will display the updated patient details.

```
mysql> select * from patient;
+-----------+-----------------+---------------+------+--------+-----------+---------+----------------+
| patientID | name            | contactNumber | age  | gender | bloodGroup | address | anyMajorDisease |
+-----------+-----------------+---------------+------+--------+-----------+---------+----------------+
| 1         | Shreya Shivangi | 1234567890    | 18   | Female | AB+        | Patna   | NO             |
| 2         | Aryan           | 7766776656    | 21   | Male   | A+         | Mumbai  | NO             |
+-----------+-----------------+---------------+------+--------+-----------+---------+----------------+
2 rows in set (0.00 sec)

mysql>
```

E-R Diagram :-
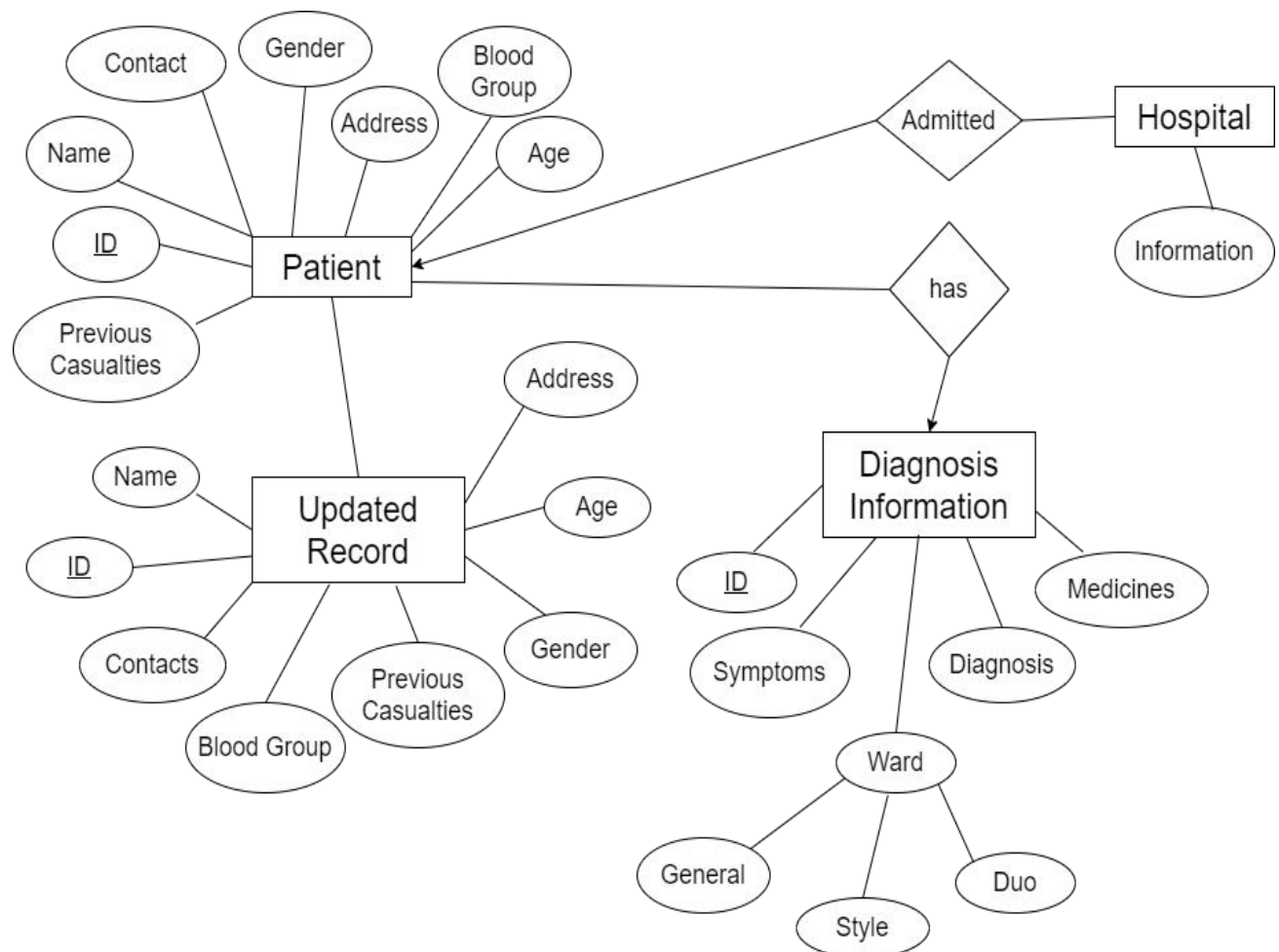
HMS Project File :-
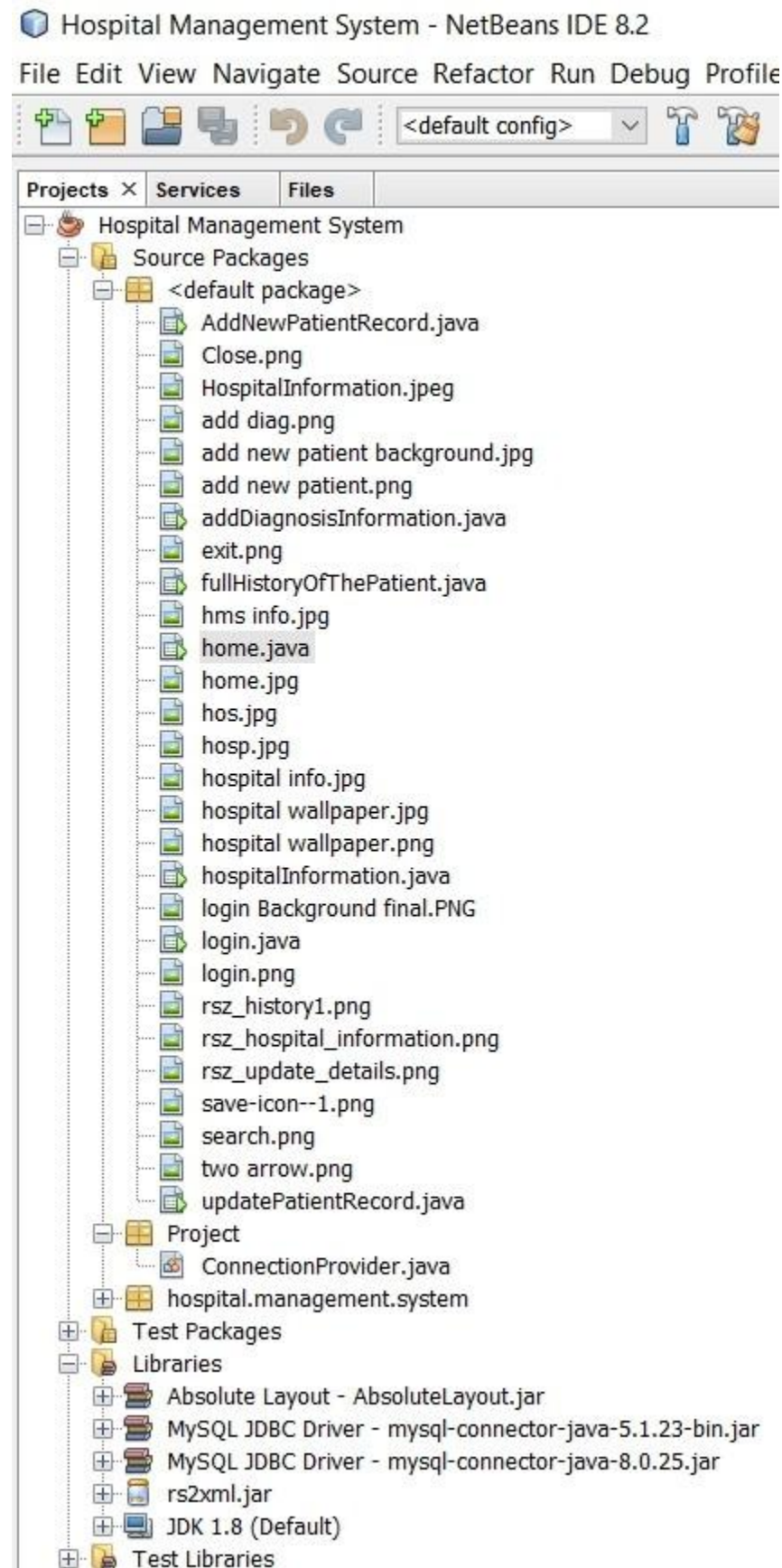
Codes :-

Login.java

import javax.swing.JOptionPane;

```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 shrey
 */
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() {

        jLabel4 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        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();
        jLabel6 = new javax.swing.JLabel();
        jLabel7 = new javax.swing.JLabel();
        jLabel5 = new javax.swing.JLabel();
        jLabel8 = new javax.swing.JLabel();
        jLabel10 = new javax.swing.JLabel();

        jLabel4.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/hos.jpg"))); // NOI18N
```

```java
        jLabel4.setText("jLabel4");

        jLabel3.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/hos.jpg"))); // NOI18N
        jLabel3.setText("jLabel3");

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        setUndecorated(true);
        getContentPane().setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

        jLabel1.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
        jLabel1.setText("Username");
        getContentPane().add(jLabel1, new
org.netbeans.lib.awtextra.AbsoluteConstraints(710, 390, -1, -1));

        jLabel2.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
        jLabel2.setText("Password");
        getContentPane().add(jLabel2, new
org.netbeans.lib.awtextra.AbsoluteConstraints(710, 440, -1, -1));

        jTextField1.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
        jTextField1.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt)
                {jTextField1ActionPerformed(evt);
            }
        });
        getContentPane().add(jTextField1, new
org.netbeans.lib.awtextra.AbsoluteConstraints(800, 380, 250, -1));

        jPasswordField1.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
        jPasswordField1.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt)
                {jPasswordField1ActionPerformed(evt);
            }
        });
        getContentPane().add(jPasswordField1, new
org.netbeans.lib.awtextra.AbsoluteConstraints(800, 440, 250, -1));

        jButton1.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
        jButton1.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/login.png"))); // NOI18N
        jButton1.setText("Login");
        jButton1.addActionListener(new java.awt.event.ActionListener()
            {public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton1ActionPerformed(evt);
            }
        });
        getContentPane().add(jButton1, new
org.netbeans.lib.awtextra.AbsoluteConstraints(840, 520, -1, -1));
```

```java
    jButton2.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
    jButton2.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Close.png"))); // NOI18N
    jButton2.setText("Close");
    jButton2.addActionListener(new java.awt.event.ActionListener()
        {public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton2ActionPerformed(evt);
        }
    });
    getContentPane().add(jButton2, new
org.netbeans.lib.awtextra.AbsoluteConstraints(960, 520, -1, -1));
    getContentPane().add(jLabel6, new
org.netbeans.lib.awtextra.AbsoluteConstraints(960, 280, -1, -1));

    jLabel7.setFont(new java.awt.Font("Tahoma", 1, 24)); // NOI18N
    jLabel7.setText("HOSPITAL MANAGEMENT SYSTEM");
    getContentPane().add(jLabel7, new
org.netbeans.lib.awtextra.AbsoluteConstraints(680, 190, -1, -1));

    jLabel5.setFont(new java.awt.Font("Tahoma", 1, 18)); // NOI18N
    jLabel5.setText("SHREYA SHIVANGI");
    getContentPane().add(jLabel5, new
org.netbeans.lib.awtextra.AbsoluteConstraints(1100, 870, -1, -1));

    jLabel8.setFont(new java.awt.Font("Tahoma", 1, 18)); // NOI18N
    jLabel8.setText("19BCE7599");
    getContentPane().add(jLabel8, new
org.netbeans.lib.awtextra.AbsoluteConstraints(1130, 900, -1, -1));

    jLabel10.setIcon(new javax.swing.ImageIcon(getClass().getResource("/hospital
wallpaper.png"))); // NOI18N
    jLabel10.setText("jLabel10");
    getContentPane().add(jLabel10, new
org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, 1920, -1));

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

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

private void jPasswordField1ActionPerformed(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:
    int a=JOptionPane.showConfirmDialog(null,"Do you really want to Close
Application", "Select", JOptionPane.YES_NO_OPTION);
```

```java
        if(a==0)
            System.exit(0);
    }

    private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        if(jTextField1.getText().equals("hms") &&
jPasswordField1.getText().equals("admin"))
        {
            setVisible(false);
            new home().setVisible(true);
        }
        else
            JOptionPane.showMessageDialog(null, "Incorrect Username or Password");
    }

    /**
     * @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.
SEVERE, null, ex);
        } catch (InstantiationException ex) {

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

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

```java
            java.util.logging.Logger.getLogger(login.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 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 jLabel10;
    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.JPasswordField jPasswordField1;
    private javax.swing.JTextField jTextField1;
    // End of variables declaration
}
```

Home.java

```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 shrey
 */
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() {

        jButton1 = new javax.swing.JButton();
        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();
        jLabel1 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        setUndecorated(true);
        getContentPane().setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

        jButton1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/two
arrow.png"))); // NOI18N
        jButton1.addActionListener(new java.awt.event.ActionListener() {
```

```java
    public void actionPerformed(java.awt.event.ActionEvent evt)
        {jButton1ActionPerformed(evt);
    }
});
getContentPane().add(jButton1, new
org.netbeans.lib.awtextra.AbsoluteConstraints(12, 27, -1, -1));

jButton2.setIcon(new javax.swing.ImageIcon(getClass().getResource("/add new
patient.png"))); // NOI18N
jButton2.setText("Add New Patient Record");
jButton2.setPreferredSize(new java.awt.Dimension(240, 59));
jButton2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt)
        {jButton2ActionPerformed(evt);
    }
});
getContentPane().add(jButton2, new
org.netbeans.lib.awtextra.AbsoluteConstraints(12, 123, -1, -1));

jButton3.setIcon(new javax.swing.ImageIcon(getClass().getResource("/add
diag.png"))); // NOI18N
jButton3.setText("Add Diagnosis Information");
jButton3.setPreferredSize(new java.awt.Dimension(240, 59));
jButton3.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt)
        {jButton3ActionPerformed(evt);
    }
});
getContentPane().add(jButton3, new
org.netbeans.lib.awtextra.AbsoluteConstraints(12, 212, -1, -1));

jButton4.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/rsz_history1.png"))); // NOI18N
jButton4.setText("Full History of the Patient");
jButton4.setPreferredSize(new java.awt.Dimension(240, 59));
jButton4.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt)
        {jButton4ActionPerformed(evt);
    }
});
getContentPane().add(jButton4, new
org.netbeans.lib.awtextra.AbsoluteConstraints(12, 300, -1, -1));

jButton5.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/rsz_update_details.png"))); //
NOI18N
jButton5.setText("Update Patient Record");
jButton5.setPreferredSize(new java.awt.Dimension(240, 59));
jButton5.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
```

```java
                jButton5ActionPerformed(evt);
            }
        });
        getContentPane().add(jButton5, new
org.netbeans.lib.awtextra.AbsoluteConstraints(12, 394, -1, -1));

        jButton6.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/rsz_hospital_information.png"))); //
NOI18N
        jButton6.setText("Hospital Information");
        jButton6.setPreferredSize(new java.awt.Dimension(240, 59));
        jButton6.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt)
                {jButton6ActionPerformed(evt);
            }
        });
        getContentPane().add(jButton6, new
org.netbeans.lib.awtextra.AbsoluteConstraints(12, 495, -1, -1));

        jButton7.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/exit.png"))); // NOI18N
        jButton7.setText("Logout");
        jButton7.setPreferredSize(new java.awt.Dimension(240, 59));
        jButton7.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt)
                {jButton7ActionPerformed(evt);
            }
        });
        getContentPane().add(jButton7, new
org.netbeans.lib.awtextra.AbsoluteConstraints(12, 597, -1, -1));

        jLabel1.setText("jLabel1");
        getContentPane().add(jLabel1, new
org.netbeans.lib.awtextra.AbsoluteConstraints(-90, -120, -1, -1));

        jLabel3.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/home.jpg"))); // NOI18N
        jLabel3.setText("jLabel3");
        getContentPane().add(jLabel3, new
org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, -1, -1));

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

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

    }
```

```java
    private void jButton7ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:

        int a=JOptionPane.showConfirmDialog(null,"Do you really want to
logout","Select",JOptionPane.YES_NO_OPTION);
        if(a==0)
        {
            setVisible(false);
            new login().setVisible(true);
        }

    }

    private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        if(i==0)
        {
            jButton2.setLocation(90,30);
            jButton3.setLocation(333,30);
            jButton4.setLocation(576,30);
            jButton5.setLocation(819,30);
            jButton6.setLocation(1062,30);
            jButton7.setLocation(1062,89);
            i=1;
        }
        else
        {
            jButton2.setLocation(10,107);
            jButton3.setLocation(10,184);
            jButton4.setLocation(10,261);
            jButton5.setLocation(10,338);
            jButton6.setLocation(10,415);
            jButton7.setLocation(10,490);
            i=0;
        }
    }

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

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

    private void jButton5ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        new updatePatientRecord().setVisible(true);
```

```java
    }

    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 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 jLabel1;
private javax.swing.JLabel jLabel3;
// End of variables declaration
}
```

AddNewPatientRecord.java :-

```java
import Project.ConnectionProvider;
import java.sql.*;
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 shrey
 */
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<>();
```

```java
        jButton2 = new javax.swing.JButton();
        jLabel9 = new javax.swing.JLabel();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        setLocation(new java.awt.Point(280, 150));
        setUndecorated(true);
        getContentPane().setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

        jButton1.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
        jButton1.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Close.png"))); // NOI18N
        jButton1.setText("Close");
        jButton1.addActionListener(new java.awt.event.ActionListener()
            {public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton1ActionPerformed(evt);
            }
        });
        getContentPane().add(jButton1, new
org.netbeans.lib.awtextra.AbsoluteConstraints(590, 410, -1, -1));

        jLabel1.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
        jLabel1.setText("Patient ID");
        getContentPane().add(jLabel1, new
org.netbeans.lib.awtextra.AbsoluteConstraints(203, 40, -1, -1));

        jLabel2.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
        jLabel2.setText("Name");
        getContentPane().add(jLabel2, new
org.netbeans.lib.awtextra.AbsoluteConstraints(203, 78, -1, -1));

        jLabel3.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
        jLabel3.setText("Contact No");
        getContentPane().add(jLabel3, new
org.netbeans.lib.awtextra.AbsoluteConstraints(203, 119, -1, -1));

        jLabel4.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
        jLabel4.setText("Age");
        getContentPane().add(jLabel4, new
org.netbeans.lib.awtextra.AbsoluteConstraints(203, 154, -1, -1));

        jLabel5.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
        jLabel5.setText("Gender");
        getContentPane().add(jLabel5, new
org.netbeans.lib.awtextra.AbsoluteConstraints(203, 190, -1, -1));

        jLabel6.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
        jLabel6.setText("Blood Group");
        getContentPane().add(jLabel6, new
org.netbeans.lib.awtextra.AbsoluteConstraints(203, 231, -1, -1));
```

```java
jLabel7.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel7.setText("Address");
getContentPane().add(jLabel7, new
org.netbeans.lib.awtextra.AbsoluteConstraints(203, 272, -1, -1));

jLabel8.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel8.setText("Any Major Disease Suffered Earlier");
getContentPane().add(jLabel8, new
org.netbeans.lib.awtextra.AbsoluteConstraints(203, 305, -1, -1));

jTextField1.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
getContentPane().add(jTextField1, new
org.netbeans.lib.awtextra.AbsoluteConstraints(326, 34, 250, -1));

jTextField2.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
getContentPane().add(jTextField2, new
org.netbeans.lib.awtextra.AbsoluteConstraints(326, 75, 250, -1));

jTextField3.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
getContentPane().add(jTextField3, new
org.netbeans.lib.awtextra.AbsoluteConstraints(326, 116, 250, -1));

jTextField4.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
getContentPane().add(jTextField4, new
org.netbeans.lib.awtextra.AbsoluteConstraints(326, 151, 250, -1));

jTextField6.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
getContentPane().add(jTextField6, new
org.netbeans.lib.awtextra.AbsoluteConstraints(326, 228, 250, -1));

jTextField7.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
getContentPane().add(jTextField7, new
org.netbeans.lib.awtextra.AbsoluteConstraints(326, 269, 250, -1));

jTextField8.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
getContentPane().add(jTextField8, new
org.netbeans.lib.awtextra.AbsoluteConstraints(203, 340, 373, -1));

jComboBox1.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jComboBox1.setModel(new javax.swing.DefaultComboBoxModel<>(new
String[] { "Male", "Female", "Others" }));
getContentPane().add(jComboBox1, new
org.netbeans.lib.awtextra.AbsoluteConstraints(326, 187, 250, -1));

jButton2.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jButton2.setIcon(new javax.swing.ImageIcon(getClass().getResource("/save-
icon--1.png"))); // NOI18N
jButton2.setText("Save");
jButton2.addActionListener(new java.awt.event.ActionListener()
    {public void actionPerformed(java.awt.event.ActionEvent evt) {
```

```java
            jButton2ActionPerformed(evt);
        }
    });
    getContentPane().add(jButton2, new
org.netbeans.lib.awtextra.AbsoluteConstraints(203, 407, -1, -1));

    jLabel9.setIcon(new javax.swing.ImageIcon(getClass().getResource("/add new
patient background.jpg"))); // NOI18N
    jLabel9.setText("jLabel9");
    getContentPane().add(jLabel9, new
org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, 780, -1));

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

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

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 gender=(String)jComboBox1.getSelectedItem();
    String age=jTextField4.getText();
    String bloodGroup=jTextField6.getText();
    String address=jTextField7.getText();
    String anyMajorDisease=jTextField8.getText();
    try{
        Connection con=ConnectionProvider.getCon();
        Statement st=con.createStatement();
        st.executeUpdate("insert into patient
values('"+patientID+"','"+name+"','"+contactNumber+"','"+age+"','"+gender+"','"+blo
odGroup+"','"+address+"','"+anyMajorDisease+"')");
        JOptionPane.showMessageDialog(null,"Successfully Updated");
        setVisible(false);
        new AddNewPatientRecord().setVisible(true);
    }
    catch(Exception e)
    {
        JOptionPane.showMessageDialog(null,"Please enter data in correct Format!");
    }


}

/**
 * @param args the command line arguments
```

```java
    */
    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.
util.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {

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

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

java.util.logging.Logger.getLogger(AddNewPatientRecord.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 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;
```

```java
        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.JLabel jLabel9;
        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
}
```

AddDiagnosisInformation.java :-

```java
import Project.ConnectionProvider;
import java.sql.*;
import javax.swing.JOptionPane;
import net.proteanit.sql.DbUtils;
/*
 * 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 shrey
 */
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();
        jScrollPane1 = new javax.swing.JScrollPane();
        jTable1 = new javax.swing.JTable();
        jLabel2 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        jLabel4 = new javax.swing.JLabel();
        jLabel5 = new javax.swing.JLabel();
        jTextField2 = new javax.swing.JTextField();
        jTextField3 = new javax.swing.JTextField();
        jTextField4 = new javax.swing.JTextField();
```

```java
jLabel6 = new javax.swing.JLabel();
jLabel7 = new javax.swing.JLabel();
jCheckBox1 = new javax.swing.JCheckBox();
jComboBox1 = new javax.swing.JComboBox<>();
jButton2 = new javax.swing.JButton();
jButton3 = new javax.swing.JButton();
jLabel9 = new javax.swing.JLabel();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
setLocation(new java.awt.Point(280, 150));
getContentPane().setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

jLabel1.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel1.setText("PatientID");
getContentPane().add(jLabel1, new
org.netbeans.lib.awtextra.AbsoluteConstraints(202, 58, -1, -1));

jTextField1.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jTextField1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt)
        {jTextField1ActionPerformed(evt);
    }
});
getContentPane().add(jTextField1, new
org.netbeans.lib.awtextra.AbsoluteConstraints(333, 55, 100, -1));

jButton1.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jButton1.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/search.png"))); // NOI18N
jButton1.setText("Search");
jButton1.addActionListener(new java.awt.event.ActionListener()
    {public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});
getContentPane().add(jButton1, new
org.netbeans.lib.awtextra.AbsoluteConstraints(488, 52, -1, -1));

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);

getContentPane().add(jScrollPane1, new
org.netbeans.lib.awtextra.AbsoluteConstraints(12, 120, 756, 52));
```

```java
    jLabel2.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
    jLabel2.setForeground(new java.awt.Color(255, 0, 0));
    jLabel2.setText("PatientID Does not Exist!");
    getContentPane().add(jLabel2, new
org.netbeans.lib.awtextra.AbsoluteConstraints(256, 88, -1, -1));

    jLabel3.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
    jLabel3.setText("Symptoms");
    getContentPane().add(jLabel3, new
org.netbeans.lib.awtextra.AbsoluteConstraints(12, 217, -1, -1));

    jLabel4.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
    jLabel4.setText("Diagnosis");
    getContentPane().add(jLabel4, new
org.netbeans.lib.awtextra.AbsoluteConstraints(12, 281, -1, -1));

    jLabel5.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
    jLabel5.setText("Medicines");
    getContentPane().add(jLabel5, new
org.netbeans.lib.awtextra.AbsoluteConstraints(12, 341, -1, -1));

    jTextField2.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
    getContentPane().add(jTextField2, new
org.netbeans.lib.awtextra.AbsoluteConstraints(125, 214, 220, -1));

    jTextField3.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
    getContentPane().add(jTextField3, new
org.netbeans.lib.awtextra.AbsoluteConstraints(125, 278, 220, -1));

    jTextField4.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
    jTextField4.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt)
            {jTextField4ActionPerformed(evt);
        }
    });
    getContentPane().add(jTextField4, new
org.netbeans.lib.awtextra.AbsoluteConstraints(125, 338, 220, -1));

    jLabel6.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
    jLabel6.setText("Ward Required?");
    getContentPane().add(jLabel6, new
org.netbeans.lib.awtextra.AbsoluteConstraints(437, 217, -1, -1));

    jLabel7.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
    jLabel7.setText("Type of Ward");
    getContentPane().add(jLabel7, new
org.netbeans.lib.awtextra.AbsoluteConstraints(437, 281, -1, -1));

    jCheckBox1.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
```

```java
        jCheckBox1.setText("Yes");
        jCheckBox1.addActionListener(new java.awt.event.ActionListener()
            {public void actionPerformed(java.awt.event.ActionEvent evt) {
                jCheckBox1ActionPerformed(evt);
            }
        });
        getContentPane().add(jCheckBox1, new
org.netbeans.lib.awtextra.AbsoluteConstraints(585, 213, 80, -1));

        jComboBox1.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
        jComboBox1.setModel(new javax.swing.DefaultComboBoxModel<>(new
String[] { "General", "Single", "Duo" }));
        getContentPane().add(jComboBox1, new
org.netbeans.lib.awtextra.AbsoluteConstraints(585, 278, -1, -1));

        jButton2.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
        jButton2.setIcon(new javax.swing.ImageIcon(getClass().getResource("/save-
icon--1.png"))); // NOI18N
        jButton2.setText("Save");
        jButton2.addActionListener(new java.awt.event.ActionListener()
            {public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton2ActionPerformed(evt);
            }
        });
        getContentPane().add(jButton2, new
org.netbeans.lib.awtextra.AbsoluteConstraints(12, 400, -1, -1));

        jButton3.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
        jButton3.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Close.png"))); // NOI18N
        jButton3.setText("Close");
        jButton3.addActionListener(new java.awt.event.ActionListener()
            {public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton3ActionPerformed(evt);
            }
        });
        getContentPane().add(jButton3, new
org.netbeans.lib.awtextra.AbsoluteConstraints(659, 400, -1, -1));

        jLabel9.setIcon(new javax.swing.ImageIcon(getClass().getResource("/add new
patient background.jpg"))); // NOI18N
        jLabel9.setText("jLabel9");
        getContentPane().add(jLabel9, new
org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, 780, -1));

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

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

```java
        String patientID=jTextField1.getText();
        try{
            Connection con=ConnectionProvider.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 jTextField4ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    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 jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
```

```java
        // 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=ConnectionProvider.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 Field is empty!");
    }

    private void jTextField1ActionPerformed(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) ">
```

```java
        /* 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(ja
va.util.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {

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

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

java.util.logging.Logger.getLogger(addDiagnosisInformation.class.getName()).log(ja
va.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;
```

```java
    private javax.swing.JLabel jLabel5;
    private javax.swing.JLabel jLabel6;
    private javax.swing.JLabel jLabel7;
    private javax.swing.JLabel jLabel9;
    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
}
```

FullHistoryOfThePatient.java :-

```java
import Project.ConnectionProvider;
import java.sql.*;
import javax.swing.JOptionPane;
import net.proteanit.sql.DbUtils;
/*
 * 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 shrey
 */
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();
        jLabel1 = new javax.swing.JLabel();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        setLocation(new java.awt.Point(280, 150));
        setUndecorated(true);
        addComponentListener(new java.awt.event.ComponentAdapter()
            { public void componentShown(java.awt.event.ComponentEvent evt)
            {
                formComponentShown(evt);
            }
        });
        getContentPane().setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

        jTable1.setModel(new javax.swing.table.DefaultTableModel(
```

```java
        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);

    getContentPane().add(jScrollPane1, new
org.netbeans.lib.awtextra.AbsoluteConstraints(12, 18, 756, 374));

    jButton1.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
    jButton1.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Close.png"))); // NOI18N
    jButton1.setText("Close");
    jButton1.addActionListener(new java.awt.event.ActionListener()
        {public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton1ActionPerformed(evt);
        }
    });
    getContentPane().add(jButton1, new
org.netbeans.lib.awtextra.AbsoluteConstraints(623, 436, -1, -1));

    jLabel1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/add new
patient background.jpg"))); // NOI18N
    jLabel1.setText("jLabel1");
    getContentPane().add(jLabel1, new
org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, 780, -1));

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

private void formComponentShown(java.awt.event.ComponentEvent evt) {
    // TODO add your handling code here:
    try{
        Connection con=ConnectionProvider.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");
```

```java
        }
    }

    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(jav
a.util.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {

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

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

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

        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
```

```java
        public void run() {
            new fullHistoryOfThePatient().setVisible(true);
        }
    });
}

    // Variables declaration - do not modify
    private javax.swing.JButton jButton1;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JScrollPane jScrollPane1;
    private javax.swing.JTable jTable1;
    // End of variables declaration
}
```

UpdatePatientRecord.java :-

```java
import Project.ConnectionProvider;
import java.sql.*;
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 shrey
 */
public class updatePatientRecord extends javax.swing.JFrame {

    /**
     * Creates new form updatePatientRecord
     */
    public updatePatientRecord()
        {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();
        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();
        jTextField5 = new javax.swing.JTextField();
        jTextField6 = new javax.swing.JTextField();
        jTextField7 = new javax.swing.JTextField();
        jTextField8 = new javax.swing.JTextField();
        jButton1 = new javax.swing.JButton();
```

```java
        jButton2 = new javax.swing.JButton();
        jButton3 = new javax.swing.JButton();
        jLabel9 = new javax.swing.JLabel();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        setLocation(new java.awt.Point(280, 150));
        setUndecorated(true);
        getContentPane().setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

        jLabel1.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
        jLabel1.setText("Patient ID");
        getContentPane().add(jLabel1, new
org.netbeans.lib.awtextra.AbsoluteConstraints(192, 67, -1, -1));

        jLabel2.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
        jLabel2.setText("Name");
        getContentPane().add(jLabel2, new
org.netbeans.lib.awtextra.AbsoluteConstraints(192, 111, -1, -1));

        jLabel3.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
        jLabel3.setText("Contact No");
        getContentPane().add(jLabel3, new
org.netbeans.lib.awtextra.AbsoluteConstraints(192, 152, -1, -1));

        jLabel4.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
        jLabel4.setText("Age");
        getContentPane().add(jLabel4, new
org.netbeans.lib.awtextra.AbsoluteConstraints(192, 193, -1, -1));

        jLabel5.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
        jLabel5.setText("Gender");
        getContentPane().add(jLabel5, new
org.netbeans.lib.awtextra.AbsoluteConstraints(192, 234, -1, -1));

        jLabel6.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
        jLabel6.setText("Blood Group");
        getContentPane().add(jLabel6, new
org.netbeans.lib.awtextra.AbsoluteConstraints(192, 275, -1, -1));

        jLabel7.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
        jLabel7.setText("Address");
        getContentPane().add(jLabel7, new
org.netbeans.lib.awtextra.AbsoluteConstraints(192, 316, -1, -1));

        jLabel8.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
        jLabel8.setText("Any Major Disease Suffered Earlier");
        getContentPane().add(jLabel8, new
org.netbeans.lib.awtextra.AbsoluteConstraints(192, 354, -1, -1));

        jTextField1.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
```

```java
        getContentPane().add(jTextField1, new
org.netbeans.lib.awtextra.AbsoluteConstraints(332, 64, 210, -1));

        jTextField2.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
        getContentPane().add(jTextField2, new
org.netbeans.lib.awtextra.AbsoluteConstraints(332, 108, 210, -1));

        jTextField3.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
        getContentPane().add(jTextField3, new
org.netbeans.lib.awtextra.AbsoluteConstraints(332, 149, 210, -1));

        jTextField4.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
        getContentPane().add(jTextField4, new
org.netbeans.lib.awtextra.AbsoluteConstraints(332, 190, 210, -1));

        jTextField5.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
        getContentPane().add(jTextField5, new
org.netbeans.lib.awtextra.AbsoluteConstraints(332, 231, 210, -1));

        jTextField6.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
        getContentPane().add(jTextField6, new
org.netbeans.lib.awtextra.AbsoluteConstraints(332, 272, 210, -1));

        jTextField7.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
        getContentPane().add(jTextField7, new
org.netbeans.lib.awtextra.AbsoluteConstraints(333, 313, 209, -1));

        jTextField8.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
        getContentPane().add(jTextField8, new
org.netbeans.lib.awtextra.AbsoluteConstraints(192, 389, 350, -1));

        jButton1.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
        jButton1.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/search.png"))); // NOI18N
        jButton1.setText("Search");
        jButton1.addActionListener(new java.awt.event.ActionListener()
            {public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton1ActionPerformed(evt);
            }
        });
        getContentPane().add(jButton1, new
org.netbeans.lib.awtextra.AbsoluteConstraints(592, 61, -1, -1));

        jButton2.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
        jButton2.setIcon(new javax.swing.ImageIcon(getClass().getResource("/save-
icon--1.png"))); // NOI18N
        jButton2.setText("Update");
        jButton2.addActionListener(new java.awt.event.ActionListener()
            {public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton2ActionPerformed(evt);
```

```java
            }
        });
        getContentPane().add(jButton2, new
org.netbeans.lib.awtextra.AbsoluteConstraints(192, 439, -1, -1));

        jButton3.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
        jButton3.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Close.png"))); // NOI18N
        jButton3.setText("Close");
        jButton3.addActionListener(new java.awt.event.ActionListener()
            {public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton3ActionPerformed(evt);
            }
        });
        getContentPane().add(jButton3, new
org.netbeans.lib.awtextra.AbsoluteConstraints(602, 439, -1, -1));

        jLabel9.setIcon(new javax.swing.ImageIcon(getClass().getResource("/add new
patient background.jpg"))); // NOI18N
        jLabel9.setText("jLabel9");
        getContentPane().add(jLabel9, new
org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, 780, -1));

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

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

    }

    private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        String patientID=jTextField1.getText();
        try
        {
            Connection con=ConnectionProvider.getCon();
            Statement st=con.createStatement();
            ResultSet rs=st.executeQuery("select *from patient where
patientID='"+patientID+"'");
            if(rs.next())
            {
                jTextField2.setText(rs.getString(2));
                jTextField3.setText(rs.getString(3));
                jTextField4.setText(rs.getString(4));
                jTextField5.setText(rs.getString(5));
                jTextField6.setText(rs.getString(6));
                jTextField7.setText(rs.getString(7));
                jTextField8.setText(rs.getString(8));
```

```java
            jTextField1.setEditable(false);
        }
        else
            JOptionPane.showMessageDialog(null,"PatientID does not Exist");
    }
    catch(Exception e)
    {}
}

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=jTextField5.getText();
    String bloodGroup=jTextField6.getText();
    String address=jTextField7.getText();
    String anyMajorDisease=jTextField8.getText();
    try{
        Connection con=ConnectionProvider.getCon();
        Statement st=con.createStatement();
        st.executeUpdate("update patient set
name='"+name+"',contactNumber='"+contactNumber+"',age='"+age+"',gender='"+ge
nder+"',bloodGroup='"+bloodGroup+"',address='"+address+"',anyMajorDisease='"+a
nyMajorDisease+"' where patientID='"+patientID+"'");
        JOptionPane.showMessageDialog(null,"Successfully Updated");
        setVisible(false);
        new updatePatientRecord().setVisible(true);
    }
    catch(Exception e)
    {
        JOptionPane.showMessageDialog(null,"Please enter data in correct format !");
    }
}

/**
 * @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 {
```

```java
        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(updatePatientRecord.class.getName()).log(java.uti
l.logging.Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {

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

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

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

    /* Create and display the form */
    java.awt.EventQueue.invokeLater(new Runnable() {
        public void run() {
            new updatePatientRecord().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.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.JLabel jLabel9;
private javax.swing.JTextField jTextField1;
private javax.swing.JTextField jTextField2;
private javax.swing.JTextField jTextField3;
```

```java
    private javax.swing.JTextField jTextField4;
    private javax.swing.JTextField jTextField5;
    private javax.swing.JTextField jTextField6;
    private javax.swing.JTextField jTextField7;
    private javax.swing.JTextField jTextField8;
    // End of variables declaration
}
```

HospitalInformation.java :-

```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 shrey
 */
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();
        jLabel1 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        setLocation(new java.awt.Point(280, 150));
        setUndecorated(true);
        getContentPane().setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

        jTextArea1.setBackground(new java.awt.Color(204, 204, 255));
        jTextArea1.setColumns(20);
        jTextArea1.setFont(new java.awt.Font("Monospaced", 1, 14)); // NOI18N
        jTextArea1.setRows(5);
        jTextArea1.setText("The hospital management system (HMS) is an integrated software that handles different \ndirections of clinic workflows.It manages the smooth healthcare performance along with\nadministrative, medical, legal and financial control. That is a cornerstone for the \nsuccessful operation of the healthcare facility.\n");
```

```java
        jScrollPane1.setViewportView(jTextArea1);

        getContentPane().add(jScrollPane1, new
org.netbeans.lib.awtextra.AbsoluteConstraints(12, 255, 756, 115));

        jButton1.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
        jButton1.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Close.png"))); // NOI18N
        jButton1.setText("Close");
        jButton1.addActionListener(new java.awt.event.ActionListener()
            {public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton1ActionPerformed(evt);
            }
        });
        getContentPane().add(jButton1, new
org.netbeans.lib.awtextra.AbsoluteConstraints(580, 400, -1, -1));

        jLabel1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/hms
info.jpg"))); // NOI18N
        jLabel1.setText("jLabel1");
        getContentPane().add(jLabel1, new
org.netbeans.lib.awtextra.AbsoluteConstraints(159, 34, 469, -1));

        jLabel2.setIcon(new javax.swing.ImageIcon(getClass().getResource("/add new
patient background.jpg"))); // NOI18N
        jLabel2.setText("jLabel2");
        getContentPane().add(jLabel2, new
org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, 780, -1));

        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 {
```

```java
        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.JLabel jLabel1;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JScrollPane jScrollPane1;
    private javax.swing.JTextArea jTextArea1;
    // End of variables declaration
}
```

ConnectionProvider.java :-

```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.*;

/**
 *
 * @author shrey
 */
public class ConnectionProvider

    { public static Connection getCon()

    {

        try
        {
            Class.forName("com.mysql.jdbc.Driver");
            Connection
con=DriverManager.getConnection("jdbc:mysql://localhost:3306/project","root","1234");
            return con;
        }
        catch(Exception e)
        {
            return null;
        }

    }
}
```