

1. Dashboard

```
public class Dashboard extends javax.swing.JFrame {

    /**
     * Creates new form Dashboard
     */
    public Dashboard() {
        initComponents();
        //setDefaultCloseOperation(Dashboard.DISPOSE_ON_CLOSE);
    }

    /**
     * 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() {

        jProgressBar1 = new javax.swing.JProgressBar();
        jLabel1 = new javax.swing.JLabel();
        b1 = new javax.swing.JButton();
        b2 = new javax.swing.JButton();
        b3 = new javax.swing.JButton();
        b4 = new javax.swing.JButton();
        b5 = new javax.swing.JButton();
        b6 = new javax.swing.JButton();
        b7 = new javax.swing.JButton();
    }
}
```

```
setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
setPreferredSize(new java.awt.Dimension(585, 385));
setResizable(false);
```

```
jLabel1.setFont(new java.awt.Font("Segoe UI", 1, 18)); // NOI18N
jLabel1.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel1.setText("DASHBOARD");
```

```
b1.setText("BOOKS AVAILABLE");
b1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        b1ActionPerformed(evt);
    }
});
```

```
b2.setText("ADD BOOKS");
b2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        b2ActionPerformed(evt);
    }
});
```

```
b3.setText("REMOVE BOOKS");
b3.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        b3ActionPerformed(evt);
    }
});
```

```
b4.setText("STAFF DETAILS");
```

```
b4.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        b4ActionPerformed(evt);  
    }  
});
```

```
b5.setText("ADD STAFF");  
b5.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        b5ActionPerformed(evt);  
    }  
});
```

```
b6.setText("REMOVE STAFF");  
b6.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        b6ActionPerformed(evt);  
    }  
});
```

```
b7.setText("EDIT ADMIN");  
b7.setPreferredSize(new java.awt.Dimension(113, 23));  
b7.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        b7ActionPerformed(evt);  
    }  
});
```

```
javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());  
getContentPane().setLayout(layout);
```

```

        layout.setHorizontalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(jLabel1, javax.swing.GroupLayout.DEFAULT_SIZE,
                    javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
                    layout.createSequentialGroup()
                        .addGap(49, 49, 49)

                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                    .addComponent(b1, javax.swing.GroupLayout.DEFAULT_SIZE, 169,
                        Short.MAX_VALUE)
                    .addComponent(b2, javax.swing.GroupLayout.Alignment.LEADING,
                        javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
                        Short.MAX_VALUE)
                    .addComponent(b3, javax.swing.GroupLayout.Alignment.LEADING,
                        javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
                        Short.MAX_VALUE))
                .addGap(105, 105, 105)

        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(b5, javax.swing.GroupLayout.Alignment.TRAILING,
                javax.swing.GroupLayout.PREFERRED_SIZE, 169,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
                layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                    .addComponent(b4, javax.swing.GroupLayout.Alignment.TRAILING,
                        javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
                        Short.MAX_VALUE)
                    .addComponent(b6, javax.swing.GroupLayout.Alignment.TRAILING,
                        javax.swing.GroupLayout.DEFAULT_SIZE, 169, Short.MAX_VALUE)))
            .addGap(58, 58, 58))
        .addGroup(layout.createSequentialGroup()
            .addGap(191, 191, 191)
            .addComponent(b7, javax.swing.GroupLayout.PREFERRED_SIZE, 169,
                javax.swing.GroupLayout.PREFERRED_SIZE)

```

```

        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addGap(16, 16, 16)
            .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 30,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 60,
Short.MAX_VALUE)

        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
false)
            .addComponent(b1, javax.swing.GroupLayout.DEFAULT_SIZE, 42,
Short.MAX_VALUE)
            .addComponent(b4, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
            .addGap(18, 18, 18)

        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(b2, javax.swing.GroupLayout.PREFERRED_SIZE, 42,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(b5, javax.swing.GroupLayout.PREFERRED_SIZE, 42,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(18, 18, 18)

        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(b6, javax.swing.GroupLayout.PREFERRED_SIZE, 40,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(b3, javax.swing.GroupLayout.PREFERRED_SIZE, 42,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(33, 33, 33)
            .addComponent(b7, javax.swing.GroupLayout.PREFERRED_SIZE, 41,
javax.swing.GroupLayout.PREFERRED_SIZE)

```

```

        .addGap(53, 53, 53))

    );

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

private void b1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    Books_Available books=new Books_Available();
    books.setVisible(true);
}

private void b2ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    Add_Books add=new Add_Books();
    add.setVisible(true);
}

private void b3ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    Remove_Books remove=new Remove_Books();
    remove.setVisible(true);
}

private void b7ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    Edit_Admin edit=new Edit_Admin();
    edit.setVisible(true);
}

```

```
private void b4ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    Staff_Details staff=new Staff_Details();
    staff.setVisible(true);
}
```

```
private void b5ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    Add_Staff staff=new Add_Staff();
    staff.setVisible(true);
}
```

```
private void b6ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    Remove_Staff staff=new Remove_Staff();
    staff.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(Dashboard.class.getName()).log(java.util.logging.Level.S
EVERE, null, ex);

    } catch (InstantiationException ex) {

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

    } catch (IllegalAccessException ex) {

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

    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Dashboard.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 Dashboard().setVisible(true);

    }

});

```



```

}

// Variables declaration - do not modify
private javax.swing.JButton b1;
private javax.swing.JButton b2;
private javax.swing.JButton b3;
private javax.swing.JButton b4;
private javax.swing.JButton b5;
private javax.swing.JButton b6;
private javax.swing.JButton b7;
private javax.swing.JLabel jLabel1;
private javax.swing.JProgressBar jProgressBar1;

// End of variables declaration
}

```

2.Login page

```

import java.sql.*;
import javax.swing.*;

public class LoginPage extends javax.swing.JFrame {

    /**
     * Creates new form LoginPage
     */
    public LoginPage() {
        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();
    user = new javax.swing.JTextField();
    password = new javax.swing.JPasswordField();
    jButton1 = new javax.swing.JButton();

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
    setResizable(false);

    jLabel1.setFont(new java.awt.Font("Segoe UI", 1, 24)); // NOI18N
    jLabel1.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
    jLabel1.setText("LOGIN");

    jLabel2.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
    jLabel2.setHorizontalAlignment(javax.swing.SwingConstants.RIGHT);
    jLabel2.setText("PASSWORD");

    jLabel3.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
    jLabel3.setHorizontalAlignment(javax.swing.SwingConstants.RIGHT);
    jLabel3.setText("USERNAME");

    user.addActionListener(new java.awt.event.ActionListener() {
```

```

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

```

```

jButton1.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
jButton1.setText("LOGIN");
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1 ActionPerformed(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()
                .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 93,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 93,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(83, 83, 83)
        )
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
            false)
            .addComponent(user, javax.swing.GroupLayout.DEFAULT_SIZE, 213,
                Short.MAX_VALUE)
            .addComponent(password)
        )
);

```

```

        .addGap(63, 63, 63))
    .addGroup(layout.createSequentialGroup())

    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addGap(173, 173, 173)
            .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 213,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGroup(layout.createSequentialGroup()
            .addGap(199, 199, 199)
            .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE,
165, javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addContainerGap(199, Short.MAX_VALUE))
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addGap(14, 14, 14)
            .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 36,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(59, 59, 59)

        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(user, javax.swing.GroupLayout.PREFERRED_SIZE, 43,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 43,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(54, 54, 54)

        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 38,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(password, javax.swing.GroupLayout.PREFERRED_SIZE, 38,
javax.swing.GroupLayout.PREFERRED_SIZE))

```

```

        .addGap(45, 45, 45)

        .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 43,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addContainerGap(51, Short.MAX_VALUE))

    );

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

```

```

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

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:jdbc:mysql://localhost:3306/?user=root
    String url="jdbc:mysql://localhost:3306/library?useSSL=false";
    String mysqluser="root";
    String mysqlpwd= "Monika@2006";
    String pswrd=new String(password.getPassword());
    String username=user.getText();
    String query=("select PASSWORD from admin where USER_ID='"+username+"'");
    try{
        Connection conn= DriverManager.getConnection(url,mysqluser,mysqlpwd);
        Statement stm=conn.createStatement();
        ResultSet rs= stm.executeQuery(query);
        if(rs.next())
        {
            String realpswrd=rs.getString("PASSWORD");

            if(realpswrd.equals(pswrd))
            {

```

```

        Dashboard dsh=new Dashboard();

        dsh.setVisible(true);

        this.dispose();
    }
    else
    {
        JOptionPane.showMessageDialog(this,"username or password entered is
wrong");
    }
}
else
    JOptionPane.showMessageDialog(this, "Wrong Username");

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

}

/**
 * @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(LoginPage.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

        } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(LoginPage.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

        } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(LoginPage.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

        } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(LoginPage.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 LoginPage().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.JLabel jLabel3;
private javax.swing.JPasswordField password;
private javax.swing.JTextField user;

// End of variables declaration
}

```

3.Book Details

```

import java.sql.*;
import javax.swing.table.DefaultTableModel;
import javax.swing.*;

public class Books_Available extends javax.swing.JFrame {

    /**
     * Creates new form Books_Available
     */
    public Books_Available() {
        initComponents();
        setDefaultCloseOperation(Books_Available.DISPOSE_ON_CLOSE);
    }

    /**
     * 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();
    fetch = new javax.swing.JButton();
    back = new javax.swing.JButton();

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
    setResizable(false);

    jTable1.setModel(new javax.swing.table.DefaultTableModel(
        new Object [][] {

        },
        new String [] {
            "BOOK ID", "CATEGORY", "NAME", "AUTHOR", "COPIES"
        }
    ));
    jScrollPane1.setViewportView(jTable1);

    fetch.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
    fetch.setText("FETCH");
    fetch.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            fetchActionPerformed(evt);
        }
    });
}

```

```

back.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
back.setText("BACK");
back.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        backActionPerformed(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(107, Short.MAX_VALUE)
        .addComponent(fetch, javax.swing.GroupLayout.PREFERRED_SIZE, 145,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(87, 87, 87)
        .addComponent(back, javax.swing.GroupLayout.PREFERRED_SIZE, 145,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(109, 109, 109))
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
        .addGap()
        .addComponent(jScrollPane1)
        .addGap())
);
layout.setVerticalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addGap(18, 18, 18)

```

```
        .addComponent(jScrollPane1, javax.swing.GroupLayout.DEFAULT_SIZE, 324,
Short.MAX_VALUE)
```

```
        .addGap(18, 18, 18)
```

```
    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
```

```
        .addComponent(back, javax.swing.GroupLayout.PREFERRED_SIZE, 37,
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
        .addComponent(fetch, javax.swing.GroupLayout.PREFERRED_SIZE, 37,
javax.swing.GroupLayout.PREFERRED_SIZE))
```

```
        .addGap(19, 19, 19))
```

```
    );
```

```
    pack();
```

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

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

```
    // TODO add your handling code here:
```

```
    DefaultTableModel model= (DefaultTableModel)jTable1.getModel();
```

```
    String url="jdbc:mysql://localhost/library";
```

```
    String user="root";
```

```
    String pwd= "Monika@2006";
```

```
    String query= "select * from books;";
```

```
    try
```

```
    {
```

```
        Connection conn= DriverManager.getConnection(url,user,pwd);
```

```
        Statement stm=conn.createStatement();
```

```
        ResultSet rs= stm.executeQuery(query);
```

```
        while(rs.next())
```

```
        {
```

```
            String bookid=rs.getString("BOOK_ID");
```

```
            String category=rs.getString("CATEGORY");
```

```
            String name=rs.getString("NAME");
```

```

        String author=rs.getString("AUTHOR");
        int copies=rs.getInt("COPIES");
        model.addRow(new Object[] {bookid,category,name,author,copies});
    }
    rs.close();
    stm.close();
}
catch(Exception e){
    JOptionPane.showMessageDialog(this,e.getMessage());
}
}

```

```

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

```

```

/**
 * @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(Books_Available.class.getName()).log(java.util.logging.L
evel.SEVERE, null, ex);

        } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(Books_Available.class.getName()).log(java.util.logging.L
evel.SEVERE, null, ex);

        } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(Books_Available.class.getName()).log(java.util.logging.L
evel.SEVERE, null, ex);

        } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Books_Available.class.getName()).log(java.util.logging.L
evel.SEVERE, null, ex);

        }
    }
}
//</editor-fold>

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

```

```

// Variables declaration - do not modify

private javax.swing.JButton back;

private javax.swing.JButton fetch;

private javax.swing.JScrollPane jScrollPane1;

private javax.swing.JTable jTable1;

// End of variables declaration
}

```

4.Add Books

```

import java.sql.*;

import javax.swing.*;

public class Add_Books extends javax.swing.JFrame {

    /**
     * Creates new form Add_Books
     */

    public Add_Books() {
        initComponents();
        setDefaultCloseOperation(Add_Books.DISPOSE_ON_CLOSE);
    }

    /**
     * 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();
t1 = new javax.swing.JTextField();
t2 = new javax.swing.JTextField();
t3 = new javax.swing.JTextField();
t4 = new javax.swing.JTextField();
t5 = new javax.swing.JTextField();
b1 = new javax.swing.JButton();
b2 = new javax.swing.JButton();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
setResizable(false);

jLabel1.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
jLabel1.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel1.setText("BOOK ID");

jLabel2.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
jLabel2.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel2.setText("CATEGORY");

jLabel3.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
jLabel3.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel3.setText("NAME");

jLabel4.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
jLabel4.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
```

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

```
jLabel5.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
```

```
jLabel5.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
```

```
jLabel5.setText("COPIES");
```

```
t1.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        t1ActionPerformed(evt);  
    }  
});
```

```
t2.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        t2ActionPerformed(evt);  
    }  
});
```

```
t3.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        t3ActionPerformed(evt);  
    }  
});
```

```
t4.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        t4ActionPerformed(evt);  
    }  
});
```



```
t5.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        t5ActionPerformed(evt);  
    }  
});
```

```
b1.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N  
b1.setText("ADD");  
b1.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        b1ActionPerformed(evt);  
    }  
});
```

```
b2.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N  
b2.setText("CANCEL");  
b2.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        b2ActionPerformed(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()  
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)  
                .addGroup(layout.createSequentialGroup()  
                    .addGap(43, 43, 43)
```

```

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE,
140, javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE,
140, javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE,
140, javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED_SIZE,
140, javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED_SIZE,
140, javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(51, 51, 51)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(t5, javax.swing.GroupLayout.PREFERRED_SIZE, 280,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(t4, javax.swing.GroupLayout.PREFERRED_SIZE, 280,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(t3, javax.swing.GroupLayout.PREFERRED_SIZE, 280,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(t2, javax.swing.GroupLayout.PREFERRED_SIZE, 280,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(t1, javax.swing.GroupLayout.PREFERRED_SIZE, 280,
javax.swing.GroupLayout.PREFERRED_SIZE)))
    .addGroup(layout.createSequentialGroup())
    .addGap(102, 102, 102)
    .addComponent(b1, javax.swing.GroupLayout.PREFERRED_SIZE, 122,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addGap(111, 111, 111)
    .addComponent(b2, javax.swing.GroupLayout.PREFERRED_SIZE, 122,
javax.swing.GroupLayout.PREFERRED_SIZE)))
    .addContainerGap(56, Short.MAX_VALUE))
);
layout.setVerticalGroup(

```

```

        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addGap(66, 66, 66)

                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
                    false)
                        .addComponent(t1, javax.swing.GroupLayout.DEFAULT_SIZE, 40,
                            Short.MAX_VALUE)
                        .addComponent(jLabel1, javax.swing.GroupLayout.DEFAULT_SIZE,
                            javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
                    .addGap(18, 18, 18)

                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 40,
                        javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(t2, javax.swing.GroupLayout.DEFAULT_SIZE, 40,
                        Short.MAX_VALUE))
                    .addGap(18, 18, 18)

                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 40,
                        javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(t3, javax.swing.GroupLayout.DEFAULT_SIZE, 40,
                        Short.MAX_VALUE))
                    .addGap(18, 18, 18)

                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED_SIZE, 40,
                        javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(t4, javax.swing.GroupLayout.DEFAULT_SIZE, 40,
                        Short.MAX_VALUE))
                    .addGap(18, 18, 18)

                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED_SIZE, 40,
                        javax.swing.GroupLayout.PREFERRED_SIZE)

```

```

        .addComponent(t5, javax.swing.GroupLayout.DEFAULT_SIZE, 40,
Short.MAX_VALUE))

        .addGap(39, 39, 39)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

        .addComponent(b1, javax.swing.GroupLayout.PREFERRED_SIZE, 49,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addComponent(b2, javax.swing.GroupLayout.PREFERRED_SIZE, 49,
javax.swing.GroupLayout.PREFERRED_SIZE))

        .addContainerGap(18, Short.MAX_VALUE))

);

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

```

```

private void t1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

```

```

private void t2ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

```

```

private void t3ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

```

```

private void t4ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

```

```

private void t5ActionPerformed(java.awt.event.ActionEvent evt) {

```

```
    // TODO add your handling code here:  
}
```

```
private void b2ActionPerformed(java.awt.event.ActionEvent evt) {  
    // TODO add your handling code here:  
    this.dispose();  
}
```

```
private void b1ActionPerformed(java.awt.event.ActionEvent evt) {  
    // TODO add your handling code here:  
    String url="jdbc:mysql://localhost/library";  
    String user="root";  
    String pwd= "Monika@2006";  
    String query="insert into books values(?,?,?,?);";  
    String id=t1.getText();  
    String category=t2.getText();  
    String name=t3.getText();  
    String author=t4.getText();  
    int copies=Integer.parseInt(t5.getText());  
    String checkquery="update books set copies=copies+"+copies+" where  
name='"+name+"' and category='"+category+"' and author='"+author+"';";  
    try {  
        Connection conn= DriverManager.getConnection(url,user,pwd);  
        Statement stmnt=conn.createStatement();  
        int rows=stmnt.executeUpdate(checkquery);  
        if(rows>0)  
        {  
            JOptionPane.showMessageDialog(this,"One record added successfully");  
        }  
        else  
        {
```

```

        PreparedStatement stm = conn.prepareCall(query);

        stm.setString(1,id);

        stm.setString(2,category);

        stm.setString(3,name);

        stm.setString(4,author);

        stm.setInt(5,copies);

        stm.execute();

        JOptionPane.showMessageDialog(this,"One record added successfully");

    }

    t1.setText(null);

    t2.setText(null);

    t3.setText(null);

    t4.setText(null);

    t5.setText(null);

}

catch(Exception e) {

    JOptionPane.showMessageDialog(this, e);

}

}

/**
 * @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(Add_Books.class.getName()).log(java.util.logging.Level.
SEVERE, null, ex);

        } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(Add_Books.class.getName()).log(java.util.logging.Level.
SEVERE, null, ex);

        } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(Add_Books.class.getName()).log(java.util.logging.Level.
SEVERE, null, ex);

        } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Add_Books.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 Add_Books().setVisible(true);
        }
    });
}

```

```

    }

    // Variables declaration - do not modify
    private javax.swing.JButton b1;
    private javax.swing.JButton b2;
    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.JTextField t1;
    private javax.swing.JTextField t2;
    private javax.swing.JTextField t3;
    private javax.swing.JTextField t4;
    private javax.swing.JTextField t5;
    // End of variables declaration
}

```

5.Remove Books

```

import java.sql.*;
import javax.swing.*;

public class Remove_Books extends javax.swing.JFrame {

    /**
     * Creates new form Remove_Books
     */
    public Remove_Books() {
        initComponents();
        setDefaultCloseOperation(Remove_Books.DISPOSE_ON_CLOSE);
    }
}

```



```

/**
 * 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();
    t1 = new javax.swing.JTextField();
    b1 = new javax.swing.JButton();
    b2 = new javax.swing.JButton();

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
    setResizable(false);

    jLabel1.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
    jLabel1.setText("ENTER BOOK ID OR BOOK NAME TO DELETE");

    t1.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            t1ActionPerformed(evt);
        }
    });

    b1.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
    b1.setText("DELETE");
    b1.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {

```

```
        b1ActionPerformed(evt);
    }
});
```

```
b2.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
b2.setText("CANCEL");
b2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        b2ActionPerformed(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(54, 54, 54)

            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 307,
                    javax.swing.GroupLayout.PREFERRED_SIZE)

                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING,
                    false)

                        .addGroup(layout.createSequentialGroup()
                            .addComponent(b1, javax.swing.GroupLayout.PREFERRED_SIZE, 121,
                                javax.swing.GroupLayout.PREFERRED_SIZE)

                            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
                                javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

                            .addComponent(b2, javax.swing.GroupLayout.PREFERRED_SIZE, 121,
                                javax.swing.GroupLayout.PREFERRED_SIZE))
                        .addGap(0, 0, 0))
            )
        )
    );
```

```

        .addComponent(t1, javax.swing.GroupLayout.PREFERRED_SIZE, 272,
javax.swing.GroupLayout.PREFERRED_SIZE)))

        .addContainerGap(39, Short.MAX_VALUE))

    );

    layout.setVerticalGroup(

        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addGroup(layout.createSequentialGroup()

            .addGap(73, 73, 73)

            .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 30,
javax.swing.GroupLayout.PREFERRED_SIZE)

            .addGap(18, 18, 18)

            .addComponent(t1, javax.swing.GroupLayout.PREFERRED_SIZE, 37,
javax.swing.GroupLayout.PREFERRED_SIZE)

            .addGap(29, 29, 29)

        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

            .addComponent(b1, javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE)

            .addComponent(b2, javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE))

            .addContainerGap(80, Short.MAX_VALUE))

    );

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

```

```

private void t1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

```

```

private void b1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

```

```

String url="jdbc:mysql://localhost/library";
String user="root";
String pwd= "Monika@2006";
String input=t1.getText();
String query= "delete from books where book_id='"+input+"' or name='"+input+"'";
try
{
    Connection conn= DriverManager.getConnection(url,user,pwd);
    Statement stm=conn.createStatement();
    int rows=stm.executeUpdate(query);
    if(rows>0)
        JOptionPane.showMessageDialog(this,"Book removed from Library");
    else
        JOptionPane.showMessageDialog(this,"No such book available");

    //rs.close();
    stm.close();
}
catch(Exception e){
    JOptionPane.showMessageDialog(this,e.getMessage());
}
}

private void b2ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    this.dispose();
}

```

```

/**
 * @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(Remove_Books.class.getName()).log(java.util.logging.Le
vel.SEVERE, null, ex);

    } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(Remove_Books.class.getName()).log(java.util.logging.Le
vel.SEVERE, null, ex);

    } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(Remove_Books.class.getName()).log(java.util.logging.Le
vel.SEVERE, null, ex);

    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

```

```
java.util.logging.Logger.getLogger(Remove_Books.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 Remove_Books().setVisible(true);
```

```
    }
```

```
});
```

```
}
```

```
// Variables declaration - do not modify
```

```
private javax.swing.JButton b1;
```

```
private javax.swing.JButton b2;
```

```
private javax.swing.JLabel jLabel1;
```

```
private javax.swing.JTextField t1;
```

```
// End of variables declaration
```

```
}
```

6.Staff Details

```
import java.sql.*;
```

```
import javax.swing.table.DefaultTableModel;
```

```
import javax.swing.*;
```

```
public class Staff_Details extends javax.swing.JFrame {
```

```
/**
```

```
 * Creates new form Staff_Details
```

```
 */
```

```
public Staff_Details() {
```

```

        initComponents();
        setDefaultCloseOperation(Staff_Details.DISPOSE_ON_CLOSE);
    }

    /**
     * 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();
        b1 = new javax.swing.JButton();
        b2 = new javax.swing.JButton();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        setResizable(false);

        jTable1.setModel(new javax.swing.table.DefaultTableModel(
            new Object [][] {

                },
            new String [] {
                "STAFF ID", "NAME", "CONTACT"
            }
        ));
        jScrollPane1.setViewportView(jTable1);

```

```

b1.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
b1.setText("FETCH");
b1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        b1ActionPerformed(evt);
    }
});

```

```

b2.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
b2.setText("EXIT");
b2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        b2ActionPerformed(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()
                .addComponent(jScrollPane1)
                .addContainerGap()
            )
        .addGroup(layout.createSequentialGroup()
            .addGap(89, 89, 89)
            .addComponent(b1, javax.swing.GroupLayout.PREFERRED_SIZE, 144,
                javax.swing.GroupLayout.PREFERRED_SIZE)
        )
    );

```



```

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 116,
Short.MAX_VALUE)

        .addComponent(b2, javax.swing.GroupLayout.PREFERRED_SIZE, 144,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addGap(91, 91, 91))

    );

    layout.setVerticalGroup(

        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addGroup(layout.createSequentialGroup()

            .addContainerGap()

            .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 361,
javax.swing.GroupLayout.PREFERRED_SIZE)

            .addGap(18, 18, 18)

        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

            .addComponent(b1, javax.swing.GroupLayout.PREFERRED_SIZE, 40,
javax.swing.GroupLayout.PREFERRED_SIZE)

            .addComponent(b2, javax.swing.GroupLayout.PREFERRED_SIZE, 40,
javax.swing.GroupLayout.PREFERRED_SIZE))

            .addContainerGap(18, Short.MAX_VALUE))

    );

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

```

```

private void b1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    DefaultTableModel model= (DefaultTableModel)jTable1.getModel();
    String url="jdbc:mysql://localhost/library";
    String user="root";
    String pwd= "Monika@2006";
    String query= "select * from staffs;";
}

```

```

try
{
    Connection conn= DriverManager.getConnection(url,user,pwd);
    Statement stm=conn.createStatement();
    ResultSet rs= stm.executeQuery(query);
    while(rs.next())
    {
        String staffid=rs.getString("STAFF_ID");
        String name=rs.getString("NAME");
        int contact =rs.getInt("CONTACT");
        model.addRow(new Object[] {staffid,name,contact});
    }
    rs.close();
    stm.close();
}
catch(Exception e){
    JOptionPane.showMessageDialog(this,e.getMessage());
}

}

private void b2ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    this.dispose();
}

/**
 * @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(Staff_Details.class.getName()).log(java.util.logging.Level
.SEVERE, null, ex);

    } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(Staff_Details.class.getName()).log(java.util.logging.Level
.SEVERE, null, ex);

    } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(Staff_Details.class.getName()).log(java.util.logging.Level
.SEVERE, null, ex);

    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Staff_Details.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 Staff_Details().setVisible(true);
    }
});
}

```

```

// Variables declaration - do not modify
private javax.swing.JButton b1;
private javax.swing.JButton b2;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JTable jTable1;
// End of variables declaration
}

```

7.Add Staff

```

import java.sql.*;
import javax.swing.*;
public class Add_Staff extends javax.swing.JFrame {

    /**
     * Creates new form Add_Staff
     */
    public Add_Staff() {
        initComponents();
        setDefaultCloseOperation(Add_Staff.DISPOSE_ON_CLOSE);
    }

    /**
     * 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();
    t1 = new javax.swing.JTextField();
    t2 = new javax.swing.JTextField();
    t3 = new javax.swing.JTextField();
    b1 = new javax.swing.JButton();
    b2 = new javax.swing.JButton();

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
    setResizable(false);

    jLabel1.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
    jLabel1.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
    jLabel1.setText("STAFF ID");

    jLabel2.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
    jLabel2.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
    jLabel2.setText("NAME");

    jLabel3.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
    jLabel3.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
    jLabel3.setText("CONTACT");
```

```
b1.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
b1.setText("ADD");
b1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        b1ActionPerformed(evt);
    }
});
```

```
b2.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
b2.setText("CANCEL");
b2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        b2ActionPerformed(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()  
            .add(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)  
                .add(layout.createSequentialGroup()  
                    .addGap(124, 124, 124)  
                    .addComponent(b1, javax.swing.GroupLayout.PREFERRED_SIZE, 117,  
                        javax.swing.GroupLayout.PREFERRED_SIZE)  
                    .addGap(76, 76, 76)  
                    .addComponent(b2, javax.swing.GroupLayout.PREFERRED_SIZE, 117,  
                        javax.swing.GroupLayout.PREFERRED_SIZE))
```

```

        .addGroup(layout.createSequentialGroup())
        .addGap(52, 52, 52)

    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE,
150, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE,
150, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE,
150, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(47, 47, 47)

    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(t3, javax.swing.GroupLayout.PREFERRED_SIZE, 220,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(t2, javax.swing.GroupLayout.PREFERRED_SIZE, 220,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(t1, javax.swing.GroupLayout.PREFERRED_SIZE, 220,
javax.swing.GroupLayout.PREFERRED_SIZE))))
        .addContainerGap(79, Short.MAX_VALUE))
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addGap(64, 64, 64)

    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
false)
        .addComponent(t1, javax.swing.GroupLayout.DEFAULT_SIZE, 40,
Short.MAX_VALUE)
        .addComponent(jLabel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        .addGap(18, 18, 18)

    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

```

```

        .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 40,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addComponent(t2, javax.swing.GroupLayout.DEFAULT_SIZE, 40,
Short.MAX_VALUE))

        .addGap(18, 18, 18)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

        .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 40,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addComponent(t3, javax.swing.GroupLayout.DEFAULT_SIZE, 40,
Short.MAX_VALUE))

        .addGap(44, 44, 44)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

        .addComponent(b1, javax.swing.GroupLayout.PREFERRED_SIZE, 44,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addComponent(b2, javax.swing.GroupLayout.PREFERRED_SIZE, 44,
javax.swing.GroupLayout.PREFERRED_SIZE))

        .addGap(41, 41, 41))

);

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

```

```

private void b1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    String url="jdbc:mysql://localhost/library";
    String user="root";
    String pwd= "Monika@2006";
    String query="insert into staffs values(?,?,?);";
    String id=t1.getText();
    String name=t2.getText();
    int contact=Integer.parseInt(t3.getText());

```



```

try {
    Connection conn= DriverManager.getConnection(url,user,pwd);
    PreparedStatement stm = conn.prepareStatement(query);
    stm.setString(1,id);
    stm.setInt(3,contact);
    stm.setString(2,name);

    stm.execute();

    JOptionPane.showMessageDialog(this,"One Staff added successfully");

    t1.setText(null);
    t2.setText(null);
    t3.setText(null);

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

private void b2ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    this.dispose();
}

/**
 * @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(Add_Staff.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

    } catch (InstantiationException ex) {

        java.util.logging.Logger.getLogger(Add_Staff.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

    } catch (IllegalAccessException ex) {

        java.util.logging.Logger.getLogger(Add_Staff.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

        java.util.logging.Logger.getLogger(Add_Staff.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 Add_Staff().setVisible(true);
            }
        });
    }
}

```

```

// Variables declaration - do not modify
private javax.swing.JButton b1;
private javax.swing.JButton b2;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JTextField t1;
private javax.swing.JTextField t2;
private javax.swing.JTextField t3;
// End of variables declaration
}

```

8.Remove Staff

```

import java.sql.*;
import javax.swing.*;

public class Remove_Staff extends javax.swing.JFrame {

    /**
     * Creates new form Remove_Staff
     */
    public Remove_Staff() {
        initComponents();
        setDefaultCloseOperation(Remove_Staff.DISPOSE_ON_CLOSE);
    }
}

```

```

/**
 * 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();
    t1 = new javax.swing.JTextField();
    b1 = new javax.swing.JButton();
    b2 = new javax.swing.JButton();

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
    setResizable(false);

    jLabel1.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
    jLabel1.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
    jLabel1.setText("ENTER STAFF ID OR STAFF NAME TO DELETE");

    t1.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            t1ActionPerformed(evt);
        }
    });

    b1.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
    b1.setText("DELETE");

```

```
b1.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        b1ActionPerformed(evt);  
    }  
});
```

```
b2.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N  
b2.setText("CANCEL");  
b2.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        b2ActionPerformed(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(40, 40, 40)  
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)  
                .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 307,  
                    javax.swing.GroupLayout.PREFERRED_SIZE)  
                .addGroup(layout.createSequentialGroup()  
                    .addGap(22, 22, 22)  
                    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,  
                        false)  
                        .addGroup(layout.createSequentialGroup()  
                            .addComponent(b1, javax.swing.GroupLayout.PREFERRED_SIZE, 121,  
                                javax.swing.GroupLayout.PREFERRED_SIZE)                        .addGap(40, 40, 40)  
                        .addComponent(b2, javax.swing.GroupLayout.PREFERRED_SIZE, 121,  
                            javax.swing.GroupLayout.PREFERRED_SIZE)                    )  
                )  
            )  
        )  
    );
```

```

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(b2, javax.swing.GroupLayout.PREFERRED_SIZE, 121,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addComponent(t1, javax.swing.GroupLayout.PREFERRED_SIZE, 272,
javax.swing.GroupLayout.PREFERRED_SIZE))))
        .addContainerGap(53, Short.MAX_VALUE))
);

layout.setVerticalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addGap(54, 54, 54)
            .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 30,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(28, 28, 28)
            .addComponent(t1, javax.swing.GroupLayout.PREFERRED_SIZE, 37,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(44, 44, 44)

        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(b1, javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(b2, javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addContainerGap(74, Short.MAX_VALUE))
);

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

private void t1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

```

```

private void b1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:

    String url="jdbc:mysql://localhost/library";
    String user="root";
    String pwd= "Monika@2006";
    String input=t1.getText();
    String query= "delete from staffs where staff_id='"+input+"' or name='"+input+"'";
    try
    {
        Connection conn= DriverManager.getConnection(url,user,pwd);
        Statement stm=conn.createStatement();
        int rows=stm.executeUpdate(query);
        if(rows>0)
            JOptionPane.showMessageDialog(this,"Staff removed from Library");
        else
            JOptionPane.showMessageDialog(this,"No such staff present");

        //rs.close();
        stm.close();
    }
    catch(Exception e){
        JOptionPane.showMessageDialog(this,e.getMessage());
    }
}

private void b2ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    this.dispose();
}

```

```

    }

/**
 * @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(Remove_Staff.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

    } catch (InstantiationException ex) {

        java.util.logging.Logger.getLogger(Remove_Staff.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

    } catch (IllegalAccessException ex) {

        java.util.logging.Logger.getLogger(Remove_Staff.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

```



```
java.util.logging.Logger.getLogger(Remove_Staff.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 Remove_Staff().setVisible(true);
```

```
    }
```

```
});
```

```
}
```

```
// Variables declaration - do not modify
```

```
private javax.swing.JButton b1;
```

```
private javax.swing.JButton b2;
```

```
private javax.swing.JLabel jLabel1;
```

```
private javax.swing.JTextField t1;
```

```
// End of variables declaration
```

```
}
```

9.Edit Admin

```
import java.sql.*;
```

```
import javax.swing.*;
```

```
public class Edit_Admin extends javax.swing.JFrame {
```

```
/**
```

```
 * Creates new form Edit_Admin
```

```
 */
```

```
public Edit_Admin() {
```

```
    initComponents();
```

```

        setDefaultCloseOperation(Edit_Admin.DISPOSE_ON_CLOSE);
    }

    /**
     * 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() {

        columnlist = new javax.swing.JComboBox<>();
        jLabel1 = new javax.swing.JLabel();
        t1 = new javax.swing.JTextField();
        jButton1 = new javax.swing.JButton();
        jButton2 = new javax.swing.JButton();
        jLabel2 = new javax.swing.JLabel();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        setResizable(false);

        columnlist.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
        columnlist.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] {
"User_Id", "Name", "Password", "Contact" }));
        columnlist.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                columnlistActionPerformed(evt);
            }
        });
    }

```

```
jLabel1.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
jLabel1.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel1.setText("ENTER UPDATED VALUE");
```

```
t1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        t1ActionPerformed(evt);
    }
});
```

```
jButton1.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
jButton1.setText("UPDATE");
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});
```

```
jButton2.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
jButton2.setText("CANCEL");
jButton2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton2ActionPerformed(evt);
    }
});
```

```
jLabel2.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
jLabel2.setText("EDIT");
```

```
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(114, 114, 114)

            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(t1, javax.swing.GroupLayout.PREFERRED_SIZE, 279,
                    javax.swing.GroupLayout.PREFERRED_SIZE)

                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
                    false)
                        .addComponent(jLabel1, javax.swing.GroupLayout.DEFAULT_SIZE, 239,
                            Short.MAX_VALUE)
                        .addComponent(columnlist, 0, javax.swing.GroupLayout.DEFAULT_SIZE,
                            Short.MAX_VALUE))
                        .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 102,
                            javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
                        Short.MAX_VALUE))
            .addGroup(layout.createSequentialGroup()
                .addGap(80, 80, 80)
                .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 132,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 80,
                    Short.MAX_VALUE)
                .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 132,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(77, 77, 77))
        );

layout.setVerticalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addContainerGap(36, Short.MAX_VALUE)

```

```

        .addComponent(jLabel2)

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

        .addComponent(columnlist, javax.swing.GroupLayout.PREFERRED_SIZE, 38,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addGap(18, 18, 18)

        .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 38,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addGap(18, 18, 18)

        .addComponent(t1, javax.swing.GroupLayout.PREFERRED_SIZE, 48,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addGap(34, 34, 34)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

        .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 43,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 43,
javax.swing.GroupLayout.PREFERRED_SIZE))

        .addGap(53, 53, 53))

);

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

```

```

private void columnlistActionPerformed(java.awt.event.ActionEvent evt) {

    // TODO add your handling code here:

}

```

```

private void t1ActionPerformed(java.awt.event.ActionEvent evt) {

    // TODO add your handling code here:

}

```

```

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {

```

```

// TODO add your handling code here:

String url="jdbc:mysql://localhost/library";

String user="root";

String pwd= "Monika@2006";

String column=columnlist.getSelectedItem().toString();

String id=t1.getText();

String query="update admin set "+column+"='"+id+"';";

try {

    Connection conn= DriverManager.getConnection(url,user,pwd);

    Statement stmt=conn.createStatement();

    int rows=stmt.executeUpdate(query);

    if(rows>0)

    {

        JOptionPane.showMessageDialog(this,"Credentials Updated Successfully");

    }

    t1.setText("");

}

catch(Exception e) {

    JOptionPane.showMessageDialog(this, e.getMessage());

}

}

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {

    // TODO add your handling code here:

    this.dispose();

}

/**

 * @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(Edit_Admin.class.getName()).log(java.util.logging.Level.
SEVERE, null, ex);

        } catch (InstantiationException ex) {

        java.util.logging.Logger.getLogger(Edit_Admin.class.getName()).log(java.util.logging.Level.
SEVERE, null, ex);

        } catch (IllegalAccessException ex) {

        java.util.logging.Logger.getLogger(Edit_Admin.class.getName()).log(java.util.logging.Level.
SEVERE, null, ex);

        } catch (javax.swing.UnsupportedLookAndFeelException ex) {

        java.util.logging.Logger.getLogger(Edit_Admin.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 Edit_Admin().setVisible(true);  
    }  
});  
}
```

```
// Variables declaration - do not modify
```

```
private javax.swing.JComboBox<String> columnlist;  
private javax.swing.JButton jButton1;  
private javax.swing.JButton jButton2;  
private javax.swing.JLabel jLabel1;  
private javax.swing.JLabel jLabel2;  
private javax.swing.JTextField t1;  
// End of variables declaration  
}
```