

Mini Project Report on

TSDL-3-Java

Submitted to Vishwakarma University, Pune

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INTRODUCTION

The blood donation system is designed to facilitate the management of blood donations, donors, and blood recipients. It provides an efficient way to register new donors, track available blood packets, search for donors, and maintain donor and purchaser histories. The system aims to streamline the process of blood donation and improve access to blood for patients in need.

METHODOLOGY

The system is implemented using Java programming language and MySQL database for data storage. The graphical user interface (GUI) is created using Java Swing framework. The system utilizes JDBC for database connectivity and SQL queries for data retrieval and manipulation.

Donor Registration:

- Donors can register by providing their personal information such as name, contact details, blood type, and health information.
- The registration process may include a health screening questionnaire to ensure donor eligibility.

Purchase Blood:

- Purchasers can view available blood packets and select the desired blood type and quantity.
- The system calculates the total cost based on the selected quantity and price per unit.

Available Blood Packets:

- The system displays the current inventory of blood packets, including the blood type, quantity, and expiration date.
- Users can filter the list based on blood type or availability status.

IMPLEMENTATION

The system consists of several modules:

- **User Authentication:** Allows users to login as donors or purchasers.
- **Donor Registration:** Enables new donors to register by providing their details.

- **Purchaser Registration:** Allows purchasers to register for blood purchases.
- **Available Packets:** Displays the available blood packets for purchase.
- **Search Donor:** Enables users to search for specific donors based on criteria.
- **Blood Donor History:** Displays the history of blood donations by donors.
- **Blood Purchaser History:** Displays the history of blood purchases by purchasers.

RESULTS

Main page

Blood Bank Management System

Vishwakarma University Blood Bank

YOUR BLOOD DONATION CAN SAVE UP TO 4 LIVES !"

User Login

UserName

Password

☐ Donor ☐ Purchaser

New Blood Doner

Blood Bank Management System

Donar Register

Name: Age:

Blood Group: Address:

sex: Mobile no:

UserName:

Password: Confirm Password:

Purchase Blood

Blood Bank Management System

Purchaser Register

Name: Mobile No:

Address: UserName:

Password: Confirm Password:

Available Blood

Blood Bank Management System	
Available Packets In Blood Bank	
Blood Group	Available Packets
A+	24
B+	21
AB+	39
O+	31
A-	18
B-	35
AB-	39
O-	24

Search doner

—□×

Blood Bank Management System

Blood Group:

A+▼

Search Donor

Name	Sex	Age	Address	Contact Number
pooja Rupanwar	Female	20	satara	2143563432
vikas koyale	Male	50	Indore	3443567856
Chetan Salunkhe	Male	20	Ram Nagar	2354763456
shreyas	Male	23	katraj	2252555252

TOTAL 4 DONOR AVAILABLE FOR A+ BLOOD GROUP

Blood purchase history

Blood Bank Management System		
Purchaser History		
Name	Address	Contact Number
Sanchita Joshi	Kolhapur	4576349432
Reeya Somvanshi	Shivaji Nagar	5476435643
Pravin Nagre	Indore	5678343265
Nisha More	Nagpur	1234564312
Neha Ghadge	Rajgad	3254763456
DHANRAJ	DHANKAWADI	0

CONCLUSION

The blood donation system is an effective tool for managing blood donations and purchases. It provides a centralized platform for donors and purchasers to register and interact. The system has the potential to improve the efficiency of blood donation processes and enhance access to blood for patients.

SOURCE CODE

1] Start_page.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 blood_donation_system;

import java.util.logging.Level;

import java.util.logging.Logger;

import javax.swing.JOptionPane;

import java.sql.Connection;

import java.sql.PreparedStatement;

import java.sql.DriverManager;

import java.sql.Statement;

import java.sql.ResultSet;

```

/**
 *
 * @author pc
 */
public class start_page extends javax.swing.JFrame {

    /**
     * Creates new form start_page
     */
    public start_page() {
        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() {

        jPanel1 = new javax.swing.JPanel();
        jPanel2 = new javax.swing.JPanel();
        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();
        jLabel3 = new javax.swing.JLabel();
        jLabel6 = new javax.swing.JLabel();
        jLabel7 = new javax.swing.JLabel();
        jLabel8 = new javax.swing.JLabel();
        jLabel9 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        jLabel10 = new javax.swing.JLabel();
        jPanel3 = new javax.swing.JPanel();
        jLabel11 = new javax.swing.JLabel();
        jLabel12 = new javax.swing.JLabel();
        jLabel13 = new javax.swing.JLabel();
    }

```



```

jLabel14 = new javax.swing.JLabel();
jRadioButton1 = new javax.swing.JRadioButton();
jRadioButton2 = new javax.swing.JRadioButton();
jTextField1 = new javax.swing.JTextField();
jButton7 = new javax.swing.JButton();
jTextField2 = new javax.swing.JTextField();
jLabel16 = new javax.swing.JLabel();
jLabel1 = new javax.swing.JLabel();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

jPanel1.setBackground(new java.awt.Color(204, 0, 0));

jPanel2.setBackground(new java.awt.Color(255, 153, 153));

jButton1.setBackground(new java.awt.Color(0, 102, 102));
jButton1.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jButton1.setForeground(new java.awt.Color(255, 255, 255));
jButton1.setText("New Blood Donor");
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});

jButton2.setBackground(new java.awt.Color(0, 102, 102));
jButton2.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jButton2.setForeground(new java.awt.Color(255, 255, 255));
jButton2.setText("Purchase Blood");
jButton2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton2ActionPerformed(evt);
    }
});

jButton3.setBackground(new java.awt.Color(0, 102, 102));
jButton3.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jButton3.setForeground(new java.awt.Color(255, 255, 255));
jButton3.setText("Available Blood Packets");
jButton3.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton3ActionPerformed(evt);
    }
});

```

```

    }
});

jButton4.setBackground(new java.awt.Color(0, 102, 102));
jButton4.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jButton4.setForeground(new java.awt.Color(255, 255, 255));
jButton4.setText("Search Donor");
jButton4.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton4ActionPerformed(evt);
    }
});

jButton5.setBackground(new java.awt.Color(0, 102, 102));
jButton5.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jButton5.setForeground(new java.awt.Color(255, 255, 255));
jButton5.setText("Blood Donor History");
jButton5.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton5ActionPerformed(evt);
    }
});

jButton6.setBackground(new java.awt.Color(0, 102, 102));
jButton6.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jButton6.setForeground(new java.awt.Color(255, 255, 255));
jButton6.setText("Blood Purchaser History");
jButton6.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton6ActionPerformed(evt);
    }
});

jLabel3.setFont(new java.awt.Font("Sylfaen", 2, 36)); // NOI18N
jLabel3.setText("Vishwakarma University Blood Bank");

jLabel6.setFont(new java.awt.Font("Tahoma", 1, 18)); // NOI18N
jLabel6.setForeground(new java.awt.Color(204, 0, 0));
jLabel6.setText("YOUR BLOOD DONATION");

jLabel7.setFont(new java.awt.Font("Times New Roman", 1, 18)); // NOI18N
jLabel7.setText("CAN SAVE UP TO");

```

```

jLabel8.setFont(new java.awt.Font("Times New Roman", 1, 18)); // NOI18N
jLabel8.setForeground(new java.awt.Color(204, 0, 0));
jLabel8.setText("4");

jLabel9.setFont(new java.awt.Font("Times New Roman", 1, 18)); // NOI18N
jLabel9.setText("LIVES !\");

jPanel3.setBackground(new java.awt.Color(255, 255, 255));

jLabel12.setFont(new java.awt.Font("Times New Roman", 1, 24)); // NOI18N
jLabel12.setText("User Login");

jLabel13.setFont(new java.awt.Font("Times New Roman", 1, 18)); // NOI18N
jLabel13.setText("UserName");

jLabel14.setFont(new java.awt.Font("Times New Roman", 1, 18)); // NOI18N
jLabel14.setText("Password");

jRadioButton1.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
jRadioButton1.setText("Donor");
jRadioButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jRadioButton1ActionPerformed(evt);
    }
});

jRadioButton2.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
jRadioButton2.setText("Purchaser");

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

jButton7.setBackground(new java.awt.Color(0, 153, 102));
jButton7.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
jButton7.setForeground(new java.awt.Color(255, 255, 255));
jButton7.setText("Submit");
jButton7.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {

```

```

        jButton7ActionPerformed(evt);
    }
});

javax.swing.GroupLayout jPanel3Layout = new javax.swing.GroupLayout(jPanel3);
jPanel3.setLayout(jPanel3Layout);
jPanel3Layout.setHorizontalGroup(
    jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel3Layout.createSequentialGroup()
            .addGap(54, 54, 54)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jLabel13)
        .addComponent(jLabel14)
        .addComponent(jRadioButton1))
        .addGap(18, 18, 18)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
        .addComponent(jRadioButton2)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)
        .addComponent(jTextField2)
        .addGroup(jPanel3Layout.createSequentialGroup()
            .addComponent(jTextField1, javax.swing.GroupLayout.DEFAULT_SIZE,
132, Short.MAX_VALUE))
        .addGap(0, 0, Short.MAX_VALUE))
        .addGroup(jPanel3Layout.createSequentialGroup()

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel3Layout.createSequentialGroup()
            .addGap(34, 34, 34)
            .addComponent(jLabel11)
            .addGap(27, 27, 27)
            .addComponent(jLabel12, javax.swing.GroupLayout.PREFERRED_SIZE,
125, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGroup(jPanel3Layout.createSequentialGroup()
            .addGap(119, 119, 119)
            .addComponent(jButton7, javax.swing.GroupLayout.PREFERRED_SIZE, 87,
javax.swing.GroupLayout.PREFERRED_SIZE)))

```

```

        .addGap(71, 145, Short.MAX_VALUE))
    );
    jPanel3Layout.setVerticalGroup(
        jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel3Layout.createSequentialGroup())

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel3Layout.createSequentialGroup())
        .addGap(25, 25, 25)
        .addComponent(jLabel11))
        .addGroup(jPanel3Layout.createSequentialGroup())
            .addGap(50, 50, 50)
            .addComponent(jLabel12)))
        .addGap(20, 20, 20)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel13))
        .addGap(32, 32, 32)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jLabel14)
        .addComponent(jTextField2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(27, 27, 27)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jRadioButton1)
        .addComponent(jRadioButton2))
        .addGap(18, 18, 18)
        .addComponent(jButton7)
        .addContainerGap(29, Short.MAX_VALUE))
    );

    javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);

```

```

jPanel2.setLayout(jPanel2Layout);
jPanel2Layout.setHorizontalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(37, 37, 37)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
    .addComponent(jButton4, javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.PREFERRED_SIZE, 275,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
    .addComponent(jButton3, javax.swing.GroupLayout.DEFAULT_SIZE, 275,
Short.MAX_VALUE)
    .addComponent(jButton2, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addComponent(jButton1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
    .addComponent(jButton5, javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.PREFERRED_SIZE, 275,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jButton6, javax.swing.GroupLayout.PREFERRED_SIZE, 275,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
NG)
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addGap(579, 579, 579)
        .addComponent(jLabel10))
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addGap(898, 898, 898)
        .addComponent(jLabel16))
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addGap(268, 268, 268)
        .addComponent(jLabel6)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
NG)
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addGap(108, 108, 108)

```

```

        .addComponent(jLabel2))
        .addGroup(jPanel2Layout.createSequentialGroup())
        .addGap(18, 18, 18)
        .addComponent(jLabel7)

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jLabel8)

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jLabel9))))
        .addGroup(jPanel2Layout.createSequentialGroup())
        .addGap(228, 228, 228)
        .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 561,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup())
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(224, 224, 224)))
        .addContainerGap(1583, Short.MAX_VALUE))
    );
    jPanel2Layout.setVerticalGroup(
        jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup())

        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup())
        .addContainerGap()
        .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 50,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel6)
        .addComponent(jLabel7)
        .addComponent(jLabel8)
        .addComponent(jLabel9))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

```

```

        .addComponent(jLabel2)

    .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(94, 94, 94)
            .addComponent(jLabel16))
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(69, 69, 69)
            .addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))))
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(53, 53, 53)
            .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(50, 50, 50)
            .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(49, 49, 49)
            .addComponent(jButton3, javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(44, 44, 44)
            .addComponent(jButton4, javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(46, 46, 46)
            .addComponent(jButton5, javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(50, 50, 50)
            .addComponent(jButton6, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addGap(639, 639, 639)
        .addComponent(jLabel10)
        .addContainerGap(2612, Short.MAX_VALUE))
    );

    jLabel1.setFont(new java.awt.Font("SansSerif", 1, 36)); // NOI18N
    jLabel1.setForeground(new java.awt.Color(255, 255, 255));
    jLabel1.setText(" Blood Bank Management System");

    javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
    jPanel1.setLayout(jPanel1Layout);

```



```

jPanel1Layout.setHorizontalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(0, 23, Short.MAX_VALUE))
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(60, 60, 60)
            .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 683,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
    );
jPanel1Layout.setVerticalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jLabel1)
            .addGap(18, 18, 18)
            .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
    );

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(0, 0, Short.MAX_VALUE))
    );
layout.setVerticalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()

```

```

        .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(0, 0, Short.MAX_VALUE))
    );

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

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

private void jButton7ActionPerformed(java.awt.event.ActionEvent evt) {

    String user = jTextField1.getText();
    String pass = jTextField2.getText();
    if (user.equals("") || pass.equals("")) {
        JOptionPane.showMessageDialog(this, "All fields are required");
    } else {
        try {
            Class.forName("com.mysql.cj.jdbc.Driver");
            Connection con =
DriverManager.getConnection("jdbc:mysql://localhost/blooddonation", "root", "");
            Statement st = con.createStatement();
            if (jRadioButton1.isSelected()) {
                ResultSet rs = st.executeQuery("select * from donor where username='" + user + "'
AND password='" + pass + "'");
                if (rs.next()) {
                    new Donor_account(user).setVisible(true);
                } else {
                    JOptionPane.showMessageDialog(this, "Incorrect Username and Password");
                }
            } else {
                ResultSet rs = st.executeQuery("select * from purchaser where user='" + user + "'
AND password='" + pass + "'");
                if (rs.next()) {
                    new Purchaser_account(user).setVisible(true);
                } else {
                    JOptionPane.showMessageDialog(this, "Incorrect Username and Password");
                }
            }
        }
    }
}

```

```

        con.close(); // Close the connection after use
    } catch (Exception ex) {
        Logger.getLogger(start_page.class.getName()).log(Level.SEVERE, null, ex);
    }
}
}

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

    new Donor_reg().setVisible(true);
}

private void jButton2ActionPerformed(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:
    new Purchaser_reg().setVisible(true);
}

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

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

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

private void jButton7ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    new Donor_history().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\(start\_page.class.getName\(\)\).log\(java.util.logging.Level.S
EVERE, null, ex\);
        } catch (InstantiationException ex) {

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

java.util.logging.Logger.getLogger\(start\_page.class.getName\(\)\).log\(java.util.logging.Level.S
EVERE, null, ex\);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger\(start\_page.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 start\_page\(\).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 jLabel10;
private javax.swing.JLabel jLabel11;
private javax.swing.JLabel jLabel12;
private javax.swing.JLabel jLabel13;
private javax.swing.JLabel jLabel14;
private javax.swing.JLabel jLabel16;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JLabel jLabel8;
private javax.swing.JLabel jLabel9;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JPanel jPanel3;
private javax.swing.JRadioButton jRadioButton1;
private javax.swing.JRadioButton jRadioButton2;
private javax.swing.JTextField jTextField1;
private javax.swing.JTextField jTextField2;
// End of variables declaration
}

```

Add Doner

/*

- * 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 blood_donation_system;

import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.JOptionPane;
import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.DriverManager;
import java.sql.Statement;
import java.sql.ResultSet;

/**
 *
 * @author pc
 */
public class start_page extends javax.swing.JFrame {

    /**
     * Creates new form start_page
     */
    public start_page() {
        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() {

        jPanel1 = new javax.swing.JPanel();
        jPanel2 = new javax.swing.JPanel();
        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();

```

```

jLabel3 = new javax.swing.JLabel();
jLabel6 = new javax.swing.JLabel();
jLabel7 = new javax.swing.JLabel();
jLabel8 = new javax.swing.JLabel();
jLabel9 = new javax.swing.JLabel();
jLabel2 = new javax.swing.JLabel();
jLabel10 = new javax.swing.JLabel();
jPanel3 = new javax.swing.JPanel();
jLabel11 = new javax.swing.JLabel();
jLabel12 = new javax.swing.JLabel();
jLabel13 = new javax.swing.JLabel();
jLabel14 = new javax.swing.JLabel();
jRadioButton1 = new javax.swing.JRadioButton();
jRadioButton2 = new javax.swing.JRadioButton();
jTextField1 = new javax.swing.JTextField();
jButton7 = new javax.swing.JButton();
jTextField2 = new javax.swing.JTextField();
jLabel16 = new javax.swing.JLabel();
jLabel1 = new javax.swing.JLabel();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

jPanel1.setBackground(new java.awt.Color(204, 0, 0));

jPanel2.setBackground(new java.awt.Color(255, 153, 153));

jButton1.setBackground(new java.awt.Color(0, 102, 102));
jButton1.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jButton1.setForeground(new java.awt.Color(255, 255, 255));
jButton1.setText("New Blood Donor");
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});

jButton2.setBackground(new java.awt.Color(0, 102, 102));
jButton2.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jButton2.setForeground(new java.awt.Color(255, 255, 255));
jButton2.setText("Purchase Blood");
jButton2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {

```

```

        jButton2ActionPerformed(evt);
    }
});

jButton3.setBackground(new java.awt.Color(0, 102, 102));
jButton3.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jButton3.setForeground(new java.awt.Color(255, 255, 255));
jButton3.setText("Available Blood Packets");
jButton3.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton3ActionPerformed(evt);
    }
});

jButton4.setBackground(new java.awt.Color(0, 102, 102));
jButton4.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jButton4.setForeground(new java.awt.Color(255, 255, 255));
jButton4.setText("Search Donor");
jButton4.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton4ActionPerformed(evt);
    }
});

jButton5.setBackground(new java.awt.Color(0, 102, 102));
jButton5.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jButton5.setForeground(new java.awt.Color(255, 255, 255));
jButton5.setText("Blood Donor History");
jButton5.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton5ActionPerformed(evt);
    }
});

jButton6.setBackground(new java.awt.Color(0, 102, 102));
jButton6.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jButton6.setForeground(new java.awt.Color(255, 255, 255));
jButton6.setText("Blood Purchaser History");
jButton6.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton6ActionPerformed(evt);
    }
});

```



```

});

jLabel3.setFont(new java.awt.Font("Sylfaen", 2, 36)); // NOI18N
jLabel3.setText("Vishwakarma University Blood Bank");

jLabel6.setFont(new java.awt.Font("Tahoma", 1, 18)); // NOI18N
jLabel6.setForeground(new java.awt.Color(204, 0, 0));
jLabel6.setText("YOUR BLOOD DONATION");

jLabel7.setFont(new java.awt.Font("Times New Roman", 1, 18)); // NOI18N
jLabel7.setText("CAN SAVE UP TO");

jLabel8.setFont(new java.awt.Font("Times New Roman", 1, 18)); // NOI18N
jLabel8.setForeground(new java.awt.Color(204, 0, 0));
jLabel8.setText("4");

jLabel9.setFont(new java.awt.Font("Times New Roman", 1, 18)); // NOI18N
jLabel9.setText("LIVES !\");

jPanel3.setBackground(new java.awt.Color(255, 255, 255));

jLabel12.setFont(new java.awt.Font("Times New Roman", 1, 24)); // NOI18N
jLabel12.setText("User Login");

jLabel13.setFont(new java.awt.Font("Times New Roman", 1, 18)); // NOI18N
jLabel13.setText("UserName");

jLabel14.setFont(new java.awt.Font("Times New Roman", 1, 18)); // NOI18N
jLabel14.setText("Password");

jRadioButton1.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
jRadioButton1.setText("Donor");
jRadioButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jRadioButton1ActionPerformed(evt);
    }
});

jRadioButton2.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
jRadioButton2.setText("Purchaser");

jTextField1.addActionListener(new java.awt.event.ActionListener() {

```



```

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel3Layout.createSequentialGroup()
        .addGap(34, 34, 34)
        .addComponent(jLabel11)
        .addGap(27, 27, 27)
        .addComponent(jLabel12, javax.swing.GroupLayout.PREFERRED_SIZE,
125, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGroup(jPanel3Layout.createSequentialGroup()
            .addGap(119, 119, 119)
            .addComponent(jButton7, javax.swing.GroupLayout.PREFERRED_SIZE, 87,
javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addGap(71, 145, Short.MAX_VALUE))
    );
jPanel3Layout.setVerticalGroup(
    jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel3Layout.createSequentialGroup()
            .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(jPanel3Layout.createSequentialGroup()
                    .addGap(25, 25, 25)
                    .addComponent(jLabel11))
                    .addGroup(jPanel3Layout.createSequentialGroup()
                        .addGap(50, 50, 50)
                        .addComponent(jLabel12)))
                    .addGap(20, 20, 20)
                .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jLabel13))
                    .addGap(32, 32, 32)
                .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(jLabel14)

```

```

        .addComponent(jTextField2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(27, 27, 27)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASEL
INE)

        .addComponent(jRadioButton1)
        .addComponent(jRadioButton2))
        .addGap(18, 18, 18)
        .addComponent(jButton7)
        .addContainerGap(29, Short.MAX_VALUE))
);

javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
jPanel2.setLayout(jPanel2Layout);
jPanel2Layout.setHorizontalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(37, 37, 37)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILI
NG)

        .addComponent(jButton4, javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.PREFERRED_SIZE, 275,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADI
NG, false)

        .addComponent(jButton3, javax.swing.GroupLayout.DEFAULT_SIZE, 275,
Short.MAX_VALUE)
        .addComponent(jButton2, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jButton1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        .addComponent(jButton5, javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.PREFERRED_SIZE, 275,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jButton6, javax.swing.GroupLayout.PREFERRED_SIZE, 275,
javax.swing.GroupLayout.PREFERRED_SIZE))

```

```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
    .addGroup(jPanel2Layout.createSequentialGroup()
```

```
        .addGap(579, 579, 579)
```

```
        .addComponent(jLabel10))
```

```
    .addGroup(jPanel2Layout.createSequentialGroup()
```

```
        .addGap(898, 898, 898)
```

```
        .addComponent(jLabel16))
```

```
    .addGroup(jPanel2Layout.createSequentialGroup()
```

```
        .addGap(268, 268, 268)
```

```
        .addComponent(jLabel6)
```

```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
    .addGroup(jPanel2Layout.createSequentialGroup()
```

```
        .addGap(108, 108, 108)
```

```
        .addComponent(jLabel2))
```

```
    .addGroup(jPanel2Layout.createSequentialGroup()
```

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

```
        .addComponent(jLabel7)
```

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

```
    .addComponent(jLabel8)
```

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

```
    .addComponent(jLabel9))))
```

```
.addGroup(jPanel2Layout.createSequentialGroup()
```

```
    .addGap(228, 228, 228)
```

```
    .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 561,  
javax.swing.GroupLayout.PREFERRED_SIZE))
```

```
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,  
jPanel2Layout.createSequentialGroup()
```

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

```
        .addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED_SIZE,  
javax.swing.GroupLayout.DEFAULT_SIZE,  
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
        .addGap(224, 224, 224)))
```

```
    .addContainerGap(1583, Short.MAX_VALUE))
```

```
);
```

```
jPanel2Layout.setVerticalGroup(  
jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
    .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```

        .addGroup(jPanel2Layout.createSequentialGroup())

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addGroup(jPanel2Layout.createSequentialGroup())
            .addContainerGap()
            .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 50,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

        .addComponent(jLabel6)
        .addComponent(jLabel7)
        .addComponent(jLabel8)
        .addComponent(jLabel9))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jLabel2)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addGroup(jPanel2Layout.createSequentialGroup())
            .addGap(94, 94, 94)
            .addComponent(jLabel16))
        .addGroup(jPanel2Layout.createSequentialGroup())
            .addGap(69, 69, 69)
            .addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))))
        .addGroup(jPanel2Layout.createSequentialGroup())
            .addGap(53, 53, 53)
            .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(50, 50, 50)
            .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(49, 49, 49)
            .addComponent(jButton3, javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(44, 44, 44)
            .addComponent(jButton4, javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE)

```

```

        .addGap(46, 46, 46)
        .addComponent(jButton5, javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(50, 50, 50)
        .addComponent(jButton6, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addGap(639, 639, 639)
        .addComponent(jLabel10)
        .addContainerGap(2612, Short.MAX_VALUE))
    );

    jLabel1.setFont(new java.awt.Font("SansSerif", 1, 36)); // NOI18N
    jLabel1.setForeground(new java.awt.Color(255, 255, 255));
    jLabel1.setText(" Blood Bank Management System");

    javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
    jPanel1.setLayout(jPanel1Layout);
    jPanel1Layout.setHorizontalGroup(
        jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(0, 23, Short.MAX_VALUE))
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 683,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
    );
    jPanel1Layout.setVerticalGroup(
        jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)

```

```

        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
    );

    javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(0, 0, Short.MAX_VALUE))
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(0, 0, Short.MAX_VALUE))
    );

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

```

```

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

private void jButton7ActionPerformed(java.awt.event.ActionEvent evt) {

String user = jTextField1.getText();
String pass = jTextField2.getText();
if (user.equals("") || pass.equals("")) {
    JOptionPane.showMessageDialog(this, "All fields are required");
} else {
    try {
        Class.forName("com.mysql.cj.jdbc.Driver");
        Connection con =
DriverManager.getConnection("jdbc:mysql://localhost/blooddonation", "root", "");
        Statement st = con.createStatement();

```



```

        if (jRadioButton1.isSelected()) {
            ResultSet rs = st.executeQuery("select * from donor where username='" + user + "'
AND password='" + pass + "'");
            if (rs.next()) {
                new Donor_account(user).setVisible(true);
            } else {
                JOptionPane.showMessageDialog(this, "Incorrect Username and Password");
            }
        } else {
            ResultSet rs = st.executeQuery("select * from purchaser where user='" + user + "'
AND password='" + pass + "'");
            if (rs.next()) {
                new Purchaser_account(user).setVisible(true);
            } else {
                JOptionPane.showMessageDialog(this, "Incorrect Username and Password");
            }
        }
        con.close(); // Close the connection after use
    } catch (Exception ex) {
        Logger.getLogger(start_page.class.getName()).log(Level.SEVERE, null, ex);
    }
}
}

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

    new Donor_reg().setVisible(true);
}

private void jRadioButton1ActionPerformed(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:
    new Purchaser_reg().setVisible(true);
}

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

```

```

    }

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

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

    private void jButton5ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        new Donor_history().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(start_page.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {

```

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

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

```
java.util.logging.Logger.getLogger(start_page.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 start_page().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 jLabel10;
private javax.swing.JLabel jLabel11;
private javax.swing.JLabel jLabel12;
private javax.swing.JLabel jLabel13;
private javax.swing.JLabel jLabel14;
private javax.swing.JLabel jLabel16;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JLabel jLabel8;
```

```

private javax.swing.JLabel jLabel9;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JPanel jPanel3;
private javax.swing.JRadioButton jButton1;
private javax.swing.JRadioButton jButton2;
private javax.swing.JTextField jTextField1;
private javax.swing.JTextField jTextField2;
// End of variables declaration
}

```

Search doner

```

/*
 * 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 blood_donation_system;

import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.JOptionPane;
import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.DriverManager;
import java.sql.Statement;
import java.sql.ResultSet;

/**
 *
 * @author pc
 */
public class start_page extends javax.swing.JFrame {

    /**
     * Creates new form start_page
     */
}

```

```

    */
    public start_page() {
        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() {

        jPanel1 = new javax.swing.JPanel();
        jPanel2 = new javax.swing.JPanel();
        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();
        jLabel3 = new javax.swing.JLabel();
        jLabel6 = new javax.swing.JLabel();
        jLabel7 = new javax.swing.JLabel();
        jLabel8 = new javax.swing.JLabel();
        jLabel9 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        jLabel10 = new javax.swing.JLabel();
        jPanel3 = new javax.swing.JPanel();
        jLabel11 = new javax.swing.JLabel();
        jLabel12 = new javax.swing.JLabel();
        jLabel13 = new javax.swing.JLabel();
        jLabel14 = new javax.swing.JLabel();
        jRadioButton1 = new javax.swing.JRadioButton();
        jRadioButton2 = new javax.swing.JRadioButton();
        jTextField1 = new javax.swing.JTextField();
        jButton7 = new javax.swing.JButton();
        jTextField2 = new javax.swing.JTextField();
        jLabel16 = new javax.swing.JLabel();
        jLabel1 = new javax.swing.JLabel();
    }

```

```

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

jPanel1.setBackground(new java.awt.Color(204, 0, 0));

jPanel2.setBackground(new java.awt.Color(255, 153, 153));

jButton1.setBackground(new java.awt.Color(0, 102, 102));
jButton1.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jButton1.setForeground(new java.awt.Color(255, 255, 255));
jButton1.setText("New Blood Donor");
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});

jButton2.setBackground(new java.awt.Color(0, 102, 102));
jButton2.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jButton2.setForeground(new java.awt.Color(255, 255, 255));
jButton2.setText("Purchase Blood");
jButton2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton2ActionPerformed(evt);
    }
});

jButton3.setBackground(new java.awt.Color(0, 102, 102));
jButton3.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jButton3.setForeground(new java.awt.Color(255, 255, 255));
jButton3.setText("Available Blood Packets");
jButton3.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton3ActionPerformed(evt);
    }
});

jButton4.setBackground(new java.awt.Color(0, 102, 102));
jButton4.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jButton4.setForeground(new java.awt.Color(255, 255, 255));
jButton4.setText("Search Donor");
jButton4.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {

```

```

        jButton4ActionPerformed(evt);
    }
});

jButton5.setBackground(new java.awt.Color(0, 102, 102));
jButton5.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jButton5.setForeground(new java.awt.Color(255, 255, 255));
jButton5.setText("Blood Donor History");
jButton5.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton5ActionPerformed(evt);
    }
});

jButton6.setBackground(new java.awt.Color(0, 102, 102));
jButton6.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jButton6.setForeground(new java.awt.Color(255, 255, 255));
jButton6.setText("Blood Purchaser History");
jButton6.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton6ActionPerformed(evt);
    }
});

jLabel3.setFont(new java.awt.Font("Sylfaen", 2, 36)); // NOI18N
jLabel3.setText("Vishwakarma University Blood Bank");

jLabel6.setFont(new java.awt.Font("Tahoma", 1, 18)); // NOI18N
jLabel6.setForeground(new java.awt.Color(204, 0, 0));
jLabel6.setText("YOUR BLOOD DONATION");

jLabel7.setFont(new java.awt.Font("Times New Roman", 1, 18)); // NOI18N
jLabel7.setText("CAN SAVE UP TO");

jLabel8.setFont(new java.awt.Font("Times New Roman", 1, 18)); // NOI18N
jLabel8.setForeground(new java.awt.Color(204, 0, 0));
jLabel8.setText("4");

jLabel9.setFont(new java.awt.Font("Times New Roman", 1, 18)); // NOI18N
jLabel9.setText("LIVES !\");

jPanel3.setBackground(new java.awt.Color(255, 255, 255));

```

```

jLabel12.setFont(new java.awt.Font("Times New Roman", 1, 24)); // NOI18N
jLabel12.setText("User Login");

jLabel13.setFont(new java.awt.Font("Times New Roman", 1, 18)); // NOI18N
jLabel13.setText("UserName");

jLabel14.setFont(new java.awt.Font("Times New Roman", 1, 18)); // NOI18N
jLabel14.setText("Password");

jRadioButton1.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
jRadioButton1.setText("Donor");
jRadioButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jRadioButton1ActionPerformed(evt);
    }
});

jRadioButton2.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
jRadioButton2.setText("Purchaser");

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

jButton7.setBackground(new java.awt.Color(0, 153, 102));
jButton7.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
jButton7.setForeground(new java.awt.Color(255, 255, 255));
jButton7.setText("Submit");
jButton7.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton7ActionPerformed(evt);
    }
});

javax.swing.GroupLayout jPanel3Layout = new javax.swing.GroupLayout(jPanel3);
jPanel3.setLayout(jPanel3Layout);
jPanel3Layout.setHorizontalGroup(
    jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel3Layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jLabel12)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
            .addComponent(jLabel13)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
            .addComponent(jLabel14)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
            .addComponent(jRadioButton1)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
            .addComponent(jRadioButton2)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
            .addComponent(jTextField1)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
            .addComponent(jButton7)
            .addContainerGap(10, Short.MAX_VALUE))
);

```



```

        .addGap(54, 54, 54)

    .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addComponent(jLabel13)
        .addComponent(jLabel14)
        .addComponent(jRadioButton1))
        .addGap(18, 18, 18)

    .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

        .addComponent(jRadioButton2)

    .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)

        .addComponent(jTextField2)
        .addComponent(jTextField1, javax.swing.GroupLayout.DEFAULT_SIZE,
132, Short.MAX_VALUE)))
        .addGap(0, 0, Short.MAX_VALUE))
        .addGroup(jPanel3Layout.createSequentialGroup())

    .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addGroup(jPanel3Layout.createSequentialGroup())
            .addGap(34, 34, 34)
            .addComponent(jLabel11)
            .addGap(27, 27, 27)
            .addComponent(jLabel12, javax.swing.GroupLayout.PREFERRED_SIZE,
125, javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGroup(jPanel3Layout.createSequentialGroup())
                .addGap(119, 119, 119)
                .addComponent(jButton7, javax.swing.GroupLayout.PREFERRED_SIZE, 87,
javax.swing.GroupLayout.PREFERRED_SIZE)))
            .addGap(71, 145, Short.MAX_VALUE))
        );
    jPanel3Layout.setVerticalGroup(
        jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel3Layout.createSequentialGroup())

    .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addGroup(jPanel3Layout.createSequentialGroup())

```

```

        .addGap(25, 25, 25)
        .addComponent(jLabel11))
    .addGroup(jPanel3Layout.createSequentialGroup()
        .addGap(50, 50, 50)
        .addComponent(jLabel12)))
    .addGap(20, 20, 20)

    .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel13))
    .addGap(32, 32, 32)

    .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel14)
        .addComponent(jTextField2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(27, 27, 27)

    .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jRadioButton1)
        .addComponent(jRadioButton2))
    .addGap(18, 18, 18)
    .addComponent(jButton7)
    .addContainerGap(29, Short.MAX_VALUE))
);

javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
jPanel2.setLayout(jPanel2Layout);
jPanel2Layout.setHorizontalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addComponent(jPanel2Layout.createSequentialGroup()
                .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(jPanel2Layout.createSequentialGroup()
                        .addGap(37, 37, 37)

```

```

        .addComponent(jButton4, javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.PREFERRED_SIZE, 275,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
        .addComponent(jButton3, javax.swing.GroupLayout.DEFAULT_SIZE, 275,
Short.MAX_VALUE)
        .addComponent(jButton2, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jButton1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        .addComponent(jButton5, javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.PREFERRED_SIZE, 275,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jButton6, javax.swing.GroupLayout.PREFERRED_SIZE, 275,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(579, 579, 579)
            .addComponent(jLabel10))
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(898, 898, 898)
            .addComponent(jLabel16))
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(268, 268, 268)
            .addComponent(jLabel6)))

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(108, 108, 108)
            .addComponent(jLabel2))
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(18, 18, 18)
            .addComponent(jLabel7)))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jLabel8)

```

```

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
    .addComponent(jLabel9))))
.addGroup(jPanel2Layout.createSequentialGroup()
    .addGap(228, 228, 228)
    .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 561,
javax.swing.GroupLayout.PREFERRED_SIZE))
.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup()
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
    .addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addGap(224, 224, 224)))
.addContainerGap(1583, Short.MAX_VALUE))
);
jPanel2Layout.setVerticalGroup(
jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(jPanel2Layout.createSequentialGroup()

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
NG)

.addGroup(jPanel2Layout.createSequentialGroup()
    .addContainerGap()
    .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 50,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
INE)
    .addComponent(jLabel6)
    .addComponent(jLabel7)
    .addComponent(jLabel8)
    .addComponent(jLabel9))
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
    .addComponent(jLabel2)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
NG)
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addGap(94, 94, 94)
        .addComponent(jLabel16))

```

```

        .addGroup(jPanel2Layout.createSequentialGroup())
        .addGap(69, 69, 69)
        .addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))))
        .addGroup(jPanel2Layout.createSequentialGroup())
        .addGap(53, 53, 53)
        .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(50, 50, 50)
        .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(49, 49, 49)
        .addComponent(jButton3, javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(44, 44, 44)
        .addComponent(jButton4, javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(46, 46, 46)
        .addComponent(jButton5, javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(50, 50, 50)
        .addComponent(jButton6, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addGap(639, 639, 639)
        .addComponent(jLabel10)
        .addContainerGap(2612, Short.MAX_VALUE))
    );

    jLabel1.setFont(new java.awt.Font("SansSerif", 1, 36)); // NOI18N
    jLabel1.setForeground(new java.awt.Color(255, 255, 255));
    jLabel1.setText(" Blood Bank Management System");

    javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
    jPanel1.setLayout(jPanel1Layout);
    jPanel1Layout.setHorizontalGroup(
        jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(0, 23, Short.MAX_VALUE))
    );

```

```

        .addGroup(jPanel1Layout.createSequentialGroup())
        .addGap(60, 60, 60)
        .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 683,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
    );
    jPanel1Layout.setVerticalGroup(
        jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup())
        .addContainerGap()
        .addComponent(jLabel1)
        .addGap(18, 18, 18)
        .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
    );

    javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(0, 0, Short.MAX_VALUE))
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(0, 0, Short.MAX_VALUE))
    );

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

```

```

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

private void jButton7ActionPerformed(java.awt.event.ActionEvent evt) {

String user = jTextField1.getText();
String pass = jTextField2.getText();
if (user.equals("") || pass.equals("")) {
    JOptionPane.showMessageDialog(this, "All fields are required");
} else {
    try {
        Class.forName("com.mysql.cj.jdbc.Driver");
        Connection con =
DriverManager.getConnection("jdbc:mysql://localhost/blooddonation", "root", "");
        Statement st = con.createStatement();
        if (jRadioButton1.isSelected()) {
            ResultSet rs = st.executeQuery("select * from donor where username='" + user + "'
AND password='" + pass + "'");
            if (rs.next()) {
                new Donor_account(user).setVisible(true);
            } else {
                JOptionPane.showMessageDialog(this, "Incorrect Username and Password");
            }
        } else {
            ResultSet rs = st.executeQuery("select * from purchaser where user='" + user + "'
AND password='" + pass + "'");
            if (rs.next()) {
                new Purchaser_account(user).setVisible(true);
            } else {
                JOptionPane.showMessageDialog(this, "Incorrect Username and Password");
            }
        }
        con.close(); // Close the connection after use
    } catch (Exception ex) {
        Logger.getLogger(start_page.class.getName()).log(Level.SEVERE, null, ex);
    }
}
}

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

```

```

        // TODO add your handling code here:

        new Donor_reg().setVisible(true);
    }

    private void jButton1ActionPerformed(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:
        new Purchaser_reg().setVisible(true);
    }

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

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

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

    private void jButton5ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        new Donor_history().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(start_page.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {

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

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

java.util.logging.Logger.getLogger(start_page.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 start_page().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 jLabel10;
private javax.swing.JLabel jLabel11;
private javax.swing.JLabel jLabel12;
private javax.swing.JLabel jLabel13;
private javax.swing.JLabel jLabel14;
private javax.swing.JLabel jLabel16;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JLabel jLabel8;
private javax.swing.JLabel jLabel9;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JPanel jPanel3;
private javax.swing.JRadioButton jRadioButton1;
private javax.swing.JRadioButton jRadioButton2;
private javax.swing.JTextField jTextField1;
private javax.swing.JTextField jTextField2;
// End of variables declaration
}

```

Doner_reg

```

/*
 * 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 blood_donation_system;

import java.util.logging.Level;

```

```

import java.util.logging.Logger;
import javax.swing.JOptionPane;
import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.DriverManager;
import java.sql.Statement;
import java.sql.ResultSet;

/**
 *
 * @author asus
 */
public class Donor_reg extends javax.swing.JFrame {

    /**
     * Creates new form Donor_reg
     */
    public Donor_reg() {
        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() {

        jPanel1 = new javax.swing.JPanel();
        jPanel2 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        jTextField1 = new javax.swing.JTextField();
        jLabel4 = new javax.swing.JLabel();
        jComboBox1 = new javax.swing.JComboBox<>();
        jLabel5 = new javax.swing.JLabel();
        jComboBox2 = new javax.swing.JComboBox<>();
        jLabel6 = new javax.swing.JLabel();
        jTextField2 = new javax.swing.JTextField();
    }

```

```

jLabel7 = new javax.swing.JLabel();
jTextField3 = new javax.swing.JTextField();
jLabel8 = new javax.swing.JLabel();
jTextField5 = new javax.swing.JTextField();
jButton1 = new javax.swing.JButton();
jLabel9 = new javax.swing.JLabel();
jLabel10 = new javax.swing.JLabel();
jLabel11 = new javax.swing.JLabel();
jTextField8 = new javax.swing.JTextField();
jTextField6 = new javax.swing.JTextField();
jTextField7 = new javax.swing.JTextField();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

jPanel1.setBackground(new java.awt.Color(255, 153, 153));

jPanel2.setBackground(new java.awt.Color(204, 0, 0));

jLabel1.setFont(new java.awt.Font("SansSerif", 1, 36)); // NOI18N
jLabel1.setForeground(new java.awt.Color(255, 255, 255));
jLabel1.setIcon(new
javax.swing.ImageIcon("C:\\Users\\asus\\Pictures\\bank_logo.png")); // NOI18N
jLabel1.setText(" Blood Bank Management System");

javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
jPanel2.setLayout(jPanel2Layout);
jPanel2Layout.setHorizontalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(21, 21, 21)
            .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 683,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(12, 12, 12))
        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jLabel1))
);
jPanel2Layout.setVerticalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(12, 12, 12)
            .addComponent(jLabel1))
);

```

```

jLabel2.setFont(new java.awt.Font("Times New Roman", 1, 24)); // NOI18N
jLabel2.setForeground(new java.awt.Color(0, 102, 102));
jLabel2.setText("Donar Register");

jLabel3.setFont(new java.awt.Font("Times New Roman", 1, 18)); // NOI18N
jLabel3.setText("Name:");

jLabel4.setFont(new java.awt.Font("Times New Roman", 1, 18)); // NOI18N
jLabel4.setText("Blood Group");

jComboBox1.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] {
"A+", "B+", "AB+", "O+", "A-", "B-", "AB-", "O-" }));

jLabel5.setFont(new java.awt.Font("Times New Roman", 1, 18)); // NOI18N
jLabel5.setText("sex:");

jComboBox2.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] {
"Female", "Male" }));
jComboBox2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jComboBox2ActionPerformed(evt);
    }
});

jLabel6.setFont(new java.awt.Font("Times New Roman", 1, 18)); // NOI18N
jLabel6.setText("Age:");

jLabel7.setFont(new java.awt.Font("Times New Roman", 1, 18)); // NOI18N
jLabel7.setText("Address");

jLabel8.setFont(new java.awt.Font("Times New Roman", 1, 18)); // NOI18N
jLabel8.setText("Mobile no:");

jTextField5.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jTextField5ActionPerformed(evt);
    }
});

jButton1.setBackground(new java.awt.Color(0, 153, 102));
jButton1.setFont(new java.awt.Font("Times New Roman", 1, 18)); // NOI18N

```

```

jButton1.setForeground(new java.awt.Color(255, 255, 255));
jButton1.setText("Register");
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});

jLabel9.setFont(new java.awt.Font("Times New Roman", 1, 18)); // NOI18N
jLabel9.setText("UserName");

jLabel10.setFont(new java.awt.Font("Times New Roman", 1, 18)); // NOI18N
jLabel10.setText("Password");

jLabel11.setFont(new java.awt.Font("Times New Roman", 1, 18)); // NOI18N
jLabel11.setText("Confirm Password");

jTextField6.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jTextField6ActionPerformed(evt);
    }
});

jTextField7.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jTextField7ActionPerformed(evt);
    }
});

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .add(jPanel1Layout.createSequentialGroup()
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addGap(48, 48, 48)

```

```

        .addComponent(jLabel3)
        .addComponent(jLabel9)
        .addComponent(jLabel5)
        .addComponent(jLabel10)
        .addComponent(jLabel4))
        .addGap(20, 20, 20)

    .addGroup(jPanel1Layout.createParallelGroup(GroupLayout.Alignment.TRAILING, false)
        .addComponent(jTextField8,
            GroupLayout.Alignment.LEADING,
            GroupLayout.DEFAULT_SIZE, 150, Short.MAX_VALUE)
        .addComponent(jComboBox1,
            GroupLayout.Alignment.LEADING,
            GroupLayout.PREFERRED_SIZE, GroupLayout.DEFAULT_SIZE,
            GroupLayout.PREFERRED_SIZE)
        .addComponent(jComboBox2,
            GroupLayout.Alignment.LEADING,
            GroupLayout.PREFERRED_SIZE, GroupLayout.DEFAULT_SIZE,
            GroupLayout.PREFERRED_SIZE)
        .addComponent(jTextField6)
        .addComponent(jTextField1,
            GroupLayout.Alignment.LEADING))
        .addPreferredGap(GroupLayoutStyle.ComponentPlacement.RELATED,
            101, Short.MAX_VALUE)

    .addGroup(jPanel1Layout.createParallelGroup(GroupLayout.Alignment.LEADING,
        NG)
        .addGroup(GroupLayout.Alignment.TRAILING,
            jPanel1Layout.createSequentialGroup()

    .addGroup(jPanel1Layout.createParallelGroup(GroupLayout.Alignment.LEADING,
        NG)
        .addComponent(jLabel7)
        .addComponent(jLabel6)
        .addComponent(jLabel8))
        .addGap(68, 68, 68))
        .addGroup(GroupLayout.Alignment.TRAILING,
            jPanel1Layout.createSequentialGroup()
        .addComponent(jLabel11)

    .addPreferredGap(GroupLayoutStyle.ComponentPlacement.UNRELATED))))))

```

```

        .addGroup(jPanel1Layout.createSequentialGroup()
            .addComponent(jLabel2)
            .addGap(40, 40, 40)))

    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addComponent(jTextField2, javax.swing.GroupLayout.PREFERRED_SIZE,
            130, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jTextField3, javax.swing.GroupLayout.Alignment.TRAILING,
            javax.swing.GroupLayout.PREFERRED_SIZE, 130,
            javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jTextField5, javax.swing.GroupLayout.Alignment.TRAILING,
            javax.swing.GroupLayout.PREFERRED_SIZE, 130,
            javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jTextField7, javax.swing.GroupLayout.PREFERRED_SIZE,
            130, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(23, 23, 23))
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
        jPanel1Layout.createSequentialGroup()
            .addGap(0, 0, Short.MAX_VALUE)
            .addComponent(jButton1)
            .addGap(300, 300, 300))
        .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE,
            javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    );
    jPanel1Layout.setVerticalGroup(
        jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
                    javax.swing.GroupLayout.DEFAULT_SIZE,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(18, 18, 18)
                .addComponent(jLabel2)
                .addGap(18, 18, 18)

            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

                .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
                    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                        .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE,
                            28, javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addComponent(jLabel6)

```



```

        .addComponent(jTextField2, javax.swing.GroupLayout.PREFERRED_SIZE,
28, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addComponent(jLabel3))
        .addGap(18, 18, 18)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addGroup(jPanel1Layout.createSequentialGroup()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

        .addComponent(jLabel4)
        .addComponent(jComboBox1,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(17, 17, 17))
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

        .addComponent(jTextField3,
javax.swing.GroupLayout.PREFERRED_SIZE, 29,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel7))

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

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addGroup(jPanel1Layout.createSequentialGroup()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addGroup(jPanel1Layout.createSequentialGroup()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addGroup(jPanel1Layout.createSequentialGroup()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addGroup(jPanel1Layout.createSequentialGroup()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addGroup(jPanel1Layout.createSequentialGroup()

.addComponent(jComboBox2,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel5))

```

```

        .addGap(23, 23, 23)

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(jLabel9)
            .addComponent(jTextField8,
                javax.swing.GroupLayout.PREFERRED_SIZE, 29,
                javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(12, 12, 12)
            .addComponent(jTextField5,
                javax.swing.GroupLayout.PREFERRED_SIZE, 29,
                javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addGap(22, 22, 22)

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(jLabel10)
            .addComponent(jTextField6,
                javax.swing.GroupLayout.PREFERRED_SIZE, 29,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel11)
            .addComponent(jTextField7,
                javax.swing.GroupLayout.PREFERRED_SIZE, 29,
                javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(20, 20, 20)
            .addComponent(jLabel8)))
        .addGap(18, 18, 18)
        .addComponent(jButton1)
        .addContainerGap(74, Short.MAX_VALUE))
    );

    javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
                    javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addContainerGap())
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

```

```

        .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    );

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

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    String name=jTextField1.getText();
    String group=jComboBox1.getSelectedItem().toString();
    String sex=jComboBox2.getSelectedItem().toString();
    String age=jTextField2.getText();
    String add=jTextField3.getText();
    String mobile=jTextField5.getText();
    String user=jTextField8.getText();
    String pass=jTextField6.getText();
    String conpass=jTextField7.getText();
    if(name.equals("") || group.equals("")||
sex.equals("")||add.equals("")||mobile.equals("")||user.equals("")||pass.equals("")||conpass.equ
als(""))
    {
        JOptionPane.showMessageDialog(this, "All field are required");
    }
    else
    {
        if(pass.equals(conpass)==false)
        {
            JOptionPane.showMessageDialog(this, "Password and Confirm Password must be
match..");
        }
        else
        {
            try {
                Class.forName("com.mysql.jdbc.Driver");
                Connection
con=DriverManager.getConnection("jdbc:mysql://localhost/blooddonation","root","");
                Statement stmt=con.createStatement();
                ResultSet rs=stmt.executeQuery("select count(*) from donor");
                rs.next();
                String date=String.valueOf(java.time.LocalDate.now());
                String no=rs.getString(1);

```

```

        int no1=Integer.parseInt(no)+1;
        PreparedStatement st=con.prepareStatement("insert into donor
values(?,?,?, ?, ?, ?, ?, ?, ?)");
        st.setInt(1,no1);
        st.setString(2,name);
        st.setString(3,group);
        st.setString(4,sex);
        st.setString(5,age);
        st.setString(6,add);
        st.setString(7, mobile);
        st.setString(8, date);
        st.setString(9, user);
        st.setString(10, pass);
        st.executeUpdate();
        JOptionPane.showMessageDialog(this,"Register Successful!!");

    } catch (Exception ex) {
        Logger.getLogger(Donor_reg.class.getName()).log(Level.SEVERE, null, ex);
    }

}

}

}

private void jComboBox2ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void jTextField5ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void jTextField6ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void jTextField7ActionPerformed(java.awt.event.ActionEvent evt) {

```

```

        // TODO add your handling code here:
    }

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

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

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

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

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

    // Variables declaration - do not modify
    private javax.swing.JButton jButton1;
    private javax.swing.JComboBox<String> jComboBox1;
    private javax.swing.JComboBox<String> jComboBox2;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel10;
    private javax.swing.JLabel jLabel11;
    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.JPanel jPanel1;
    private javax.swing.JPanel jPanel2;
    private javax.swing.JTextField jTextField1;
    private javax.swing.JTextField jTextField2;
    private javax.swing.JTextField jTextField3;
    private javax.swing.JTextField jTextField5;
    private javax.swing.JTextField jTextField6;
    private javax.swing.JTextField jTextField7;
    private javax.swing.JTextField jTextField8;
    // End of variables declaration
}

```

Available Packet

```

/*
 * 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 blood_donation_system;

```

```

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.Statement;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.table.DefaultTableModel;

/**
 *
 * @author asus
 */
public class Available_packets extends javax.swing.JFrame {

    /** Creates new form Available_packets */
    public Available_packets() {
        initComponents();
        try {
            Class.forName("com.mysql.jdbc.Driver");
            Connection
con=DriverManager.getConnection("jdbc:mysql://localhost/blooddonation","root","");
            Statement st=con.createStatement();
            ResultSet rs=st.executeQuery("select * from available_pac ");
            DefaultTableModel tb=(DefaultTableModel)jTable1.getModel();
            if(tb.getRowCount(>0)
            {
                tb.removeRow(0);
                tb.setRowCount(0);
            }
            while(rs.next())
            {
                String name =rs.getString(1);
                String pac=rs.getString(2);

                String toData[]={ name,pac };
                tb.addRow(toData);
            }
        } catch (Exception ex) {
            Logger.getLogger(Available_packets.class.getName()).log(Level.SEVERE, null, ex);
        }
    }

```

```

}

/** 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() {

    jPanel1 = new javax.swing.JPanel();
    jPanel2 = new javax.swing.JPanel();
    jLabel17 = new javax.swing.JLabel();
    jLabel1 = new javax.swing.JLabel();
    jScrollPane1 = new javax.swing.JScrollPane();
    jTable1 = new javax.swing.JTable();

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

    jPanel1.setBackground(new java.awt.Color(255, 153, 153));

    jPanel2.setBackground(new java.awt.Color(204, 0, 0));

    jLabel17.setFont(new java.awt.Font("SansSerif", 1, 36)); // NOI18N
    jLabel17.setForeground(new java.awt.Color(255, 255, 255));
    jLabel17.setIcon(new
javax.swing.ImageIcon("C:\\Users\\asus\\Pictures\\bank_logo.png")); // NOI18N
    jLabel17.setText(" Blood Bank Management System");

    javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
    jPanel2.setLayout(jPanel2Layout);
    jPanel2Layout.setHorizontalGroup(
        jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel2Layout.createSequentialGroup()
                .addGap(40, 40, 40)
                .addComponent(jLabel17, javax.swing.GroupLayout.PREFERRED_SIZE, 683,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
            .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(jPanel2Layout.createSequentialGroup()
                    .addGap(40, 40, 40)
                    .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 683,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
                .addGroup(jPanel2Layout.createSequentialGroup()
                    .addGap(40, 40, 40)
                    .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 683,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
                .addGroup(jPanel2Layout.createSequentialGroup()
                    .addGap(40, 40, 40)
                    .addComponent(jTable1, javax.swing.GroupLayout.PREFERRED_SIZE, 683,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
            );
    jPanel2Layout.setVerticalGroup(

```



```

        jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup()
                .addGap(12, Short.MAX_VALUE)
                .addComponent(jLabel17)
                .addGap(0, 0, 0))
        );

jLabel1.setFont(new java.awt.Font("Times New Roman", 1, 24)); // NOI18N
jLabel1.setForeground(new java.awt.Color(153, 0, 0));
jLabel1.setText("Available Packets In Blood Bank");

jTable1.setBackground(new java.awt.Color(0, 102, 153));
jTable1.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
jTable1.setForeground(new java.awt.Color(255, 255, 255));
jTable1.setModel(new javax.swing.table.DefaultTableModel(
    new Object [][] {

        },
    new String [] {
        "Blood Group", "Available Packets"
    }
));
jScrollPane1.setViewportView(jTable1);

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
                .addGap(0, 0, 0)
                .addComponent(jLabel1)
                .addGap(165, 165, 165))
        )

```

```

        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
        .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
249, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(222, 222, 222))))
    );
    jPanel1Layout.setVerticalGroup(
        jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(38, 38, 38)
            .addComponent(jLabel1)
            .addGap(18, 18, 18)
            .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 159,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(0, 51, Short.MAX_VALUE))
        );

    javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    );

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

/**
 * @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(Available_packets.class.getName()).log(java.util.logging.
Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {

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

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

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

// Variables declaration - do not modify

```

```
private javax.swing.JLabel jLabel1;  
private javax.swing.JLabel jLabel17;  
private javax.swing.JPanel jPanel1;  
private javax.swing.JPanel jPanel2;  
private javax.swing.JScrollPane jScrollPane1;  
private javax.swing.JTable jTable1;  
// End of variables declaration  
  
}
```

access to blood for patients.