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## Login Page

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

/**
 *
 * @author raqibmuktadir
 */
public class Loginpage extends javax.swing.JFrame {
    Connection conn=null;
    ResultSet rs=null;
    PreparedStatement pst=null;
    /**
     * Creates new form Loginpage
     */
}
```

```

*/
public Loginpage() {
    initComponents();
    conn=javaconnect.ConnecrDb();
    //FillCombo();
}
public void close(){
    WindowEvent winClosingEvent = new WindowEvent(this,
WindowEvent.WINDOW_CLOSING);
    Toolkit.getDefaultToolkit().getSystemEventQueue().postEvent(winClosingEvent);
}

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

    jLabel1 = new javax.swing.JLabel();
    jScrollPane1 = new javax.swing.JScrollPane();
    jPanel1 = new javax.swing.JPanel();
    cmd_login = new javax.swing.JButton();
    cmd_exit = new javax.swing.JButton();
    cmd_clear = new javax.swing.JButton();

    jLabel1.setFont(new java.awt.Font("Apple LiGothic", 1, 36)); // NOI18N
    jLabel1.setText("MUWCI Reprographics");

    jPanel1.setMessage("Login Failed");

```

```

cmd_usertype.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] {
"admin", "standard user" }));

jLabel2.setText("User Type");

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

setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE_ON_CLOSE);

jPanel1.setBackground(new java.awt.Color(204, 255, 255));

jLabel5.setIcon(new javax.swing.ImageIcon(getClass().getResource("/uwc-logo.png"))); //
NOI18N

```

```

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(150, 150, 150)
            .addComponent(jLabel5)
            .addGap(150, 150, 150))
);
jPanel1Layout.setVerticalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(150, 150, 150)
            .addComponent(jLabel5)
            .addGap(150, 150, 150))
);

jPanel2.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Login",
javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION,
javax.swing.border.TitledBorder.DEFAULT_POSITION, new java.awt.Font("Lucida Grande", 1,
18))); // NOI18N

```

```

password.setText("Password");

```

```

username.setText("Username");

```

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

```
cmd_login.setBackground(new java.awt.Color(255, 255, 255));
cmd_login.setText("LOGIN");
cmd_login.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        cmd_loginActionPerformed(evt);
    }
});
```

```
cmd_exit.setText("EXIT");
cmd_exit.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        cmd_exitActionPerformed(evt);
    }
});
```

```
cmd_clear.setText("CLEAR");
cmd_clear.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        cmd_clearActionPerformed(evt);
    }
});
```

```
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(18, 18, 18)  
            .addComponent(cmd_exit)  
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)  
            .addComponent(cmd_login)  
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)  
            .addComponent(cmd_clear)  
            .addGap(124, 124, 124))  
        .addGroup(jPanel2Layout.createSequentialGroup()  
            .addGap(18, 18, 18)  
            .addComponent(cmd_logout)  
            .addContainerGap())
```

```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(username)
    .addComponent(password))
.addGap(35, 35, 35)
```

```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
false)
    .addComponent(txt_username)
    .addComponent(txt_password, javax.swing.GroupLayout.PREFERRED_SIZE, 178,
javax.swing.GroupLayout.PREFERRED_SIZE))
.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
);
jPanel2Layout.setVerticalGroup(
jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(jPanel2Layout.createSequentialGroup()
.addContainerGap()
```

```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(username)
    .addComponent(txt_username, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
.addGap(31, 31, 31)
```

```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(password)
    .addComponent(txt_password, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
.addGap(33, 33, 33)
```

```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(cmd_exit)
    .addComponent(cmd_clear)
    .addComponent(cmd_login))
.addContainerGap())
);
```

```
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)
    .addGroup(layout.createSequentialGroup()
```

```

        .addGap(157, 157, 157)
        .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE, 304,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(27, 27, 27)
            .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addContainerGap(85, Short.MAX_VALUE))
        );

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

```

```

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

```

```

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

    String sql ="select * from UserDetails where Username=? and Password=?";
    try{
        pst=conn.prepareStatement(sql);
        pst.setString(1,txt_username.getText());
        pst.setString(2,txt_password.getText());
        rs=pst.executeQuery();

        if(rs.next()){
            JOptionPane.showMessageDialog(null, "Welcome to Reprographics!");
            close();
            User_Details s =new User_Details();
            s.setVisible(false);
            Reprographicsdata a =new Reprographicsdata();
            a.setVisible(true);

        }

        else{
            JOptionPane.showMessageDialog(null, "Access Denied");
        }
    }
}

```

```

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

    } finally{
        try{
            rs.close();
            pst.close();
        }
        catch(Exception e){
        }
    }
}

private void cmd_exitActionPerformed(java.awt.event.ActionEvent evt) {
    System.exit(0);
}

private void cmd_clearActionPerformed(java.awt.event.ActionEvent evt) {
    txt_username.setText("");
    txt_password.setText("");
}

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

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

```



```

        break;
    }
}
} catch (ClassNotFoundException ex) {

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

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

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

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

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

// Variables declaration - do not modify
private javax.swing.JButton cmd_clear;
private javax.swing.JButton cmd_exit;
private javax.swing.JButton cmd_login;
private javax.swing.JComboBox<String> cmd_usertype;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel5;
private javax.swing.JOptionPane jOptionPane1;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JScrollBar jScrollBar1;
private javax.swing.JTextField jTextField1;
private javax.swing.JTextField jTextField2;

```

```
private javax.swing.JLabel password;
private javax.swing.JPasswordField txt_password;
private javax.swing.JTextField txt_username;
private javax.swing.JLabel username;
// End of variables declaration
}
```

## Reprographics

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

/**
 *
 * @author raqibmuktadir
 */
import java.awt.event.*;
import java.awt.*;
import java.sql.*;
import javax.swing.*;
public class Reprographicsdata extends javax.swing.JFrame {
    /**
     * Creates new form Reprographicsdata
     */
    public Reprographicsdata() {
```

```

        initComponents();
    }
    public void close(){
        WindowEvent winClosingEvent = new WindowEvent(this,
WindowEvent.WINDOW_CLOSING);
        Toolkit.getDefaultToolkit().getSystemEventQueue().postEvent(winClosingEvent);
    }

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

    jScrollPane1 = new javax.swing.JScrollPane();
    Table_MainMenu = new javax.swing.JTable();
    jPanel3 = new javax.swing.JPanel();
    jLabel2 = new javax.swing.JLabel();
    jPanel1 = new javax.swing.JPanel();
    jLabel1 = new javax.swing.JLabel();
    jPanel2 = new javax.swing.JPanel();
    inventory_menu = new javax.swing.JButton();
    Printing_Photocopy_menu = new javax.swing.JButton();
    issuing_history_menu = new javax.swing.JButton();
    User_details = new javax.swing.JButton();
    cmd_exit = new javax.swing.JButton();
    cmd_logout = new javax.swing.JButton();
    jButton1 = new javax.swing.JButton();

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

        },
        new String [] {
            "Title 1", "Title 2", "Title 3", "Title 4"
        }
    ));
    jScrollPane1.setViewportViewView(Table_MainMenu);

    javax.swing.GroupLayout jPanel3Layout = new javax.swing.GroupLayout(jPanel3);
    jPanel3.setLayout(jPanel3Layout);

```

```

jPanel3Layout.setHorizontalGroup(
    jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGap(0, 466, Short.MAX_VALUE)
);
jPanel3Layout.setVerticalGroup(
    jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGap(0, 420, Short.MAX_VALUE)
);

jLabel2.setText("jLabel2");

setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE_ON_CLOSE);

jPanel1.setBackground(new java.awt.Color(204, 255, 255));

jLabel1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/uwc-logo.png"))); //
NOI18N

```

```

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(400, 400, 400)
            .addComponent(jLabel1)
            .addGap(400, 400, 400))
);
jPanel1Layout.setVerticalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jLabel1)
            .addGap(23, 23, 23))
);

inventory_menu.setText("Inventory");
inventory_menu.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        inventory_menuActionPerformed(evt);
    }
});

```

```

Printing_Photocopy_menu.setText("Printing and Photocopy");
Printing_Photocopy_menu.addActionListener(new java.awt.event.ActionListener() {

```

```

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

    issuing_history_menu.setText("Issuing History");
    issuing_history_menu.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            issuing_history_menuActionPerformed(evt);
        }
    });

    User_details.setText("User Details");
    User_details.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            User_detailsActionPerformed(evt);
        }
    });

    cmd_exit.setText("EXIT");
    cmd_exit.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            cmd_exitActionPerformed(evt);
        }
    });

    cmd_logout.setText("LOG OUT");
    cmd_logout.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            cmd_logoutActionPerformed(evt);
        }
    });

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

    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(20, 20, 20)

        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
            .addGroup(jPanel2Layout.createSequentialGroup())
                .addComponent(inventory_menu, javax.swing.GroupLayout.PREFERRED_SIZE,
192, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(20, 20, 20)
                .addComponent(Printing_Photocopy_menu)
                .addGap(20, 20, 20)
                .addComponent(issuing_history_menu,
javax.swing.GroupLayout.PREFERRED_SIZE, 190, javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGroup(jPanel2Layout.createSequentialGroup())
                .addComponent(cmd_logout, javax.swing.GroupLayout.PREFERRED_SIZE, 95,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(cmd_exit, javax.swing.GroupLayout.PREFERRED_SIZE, 94,
javax.swing.GroupLayout.PREFERRED_SIZE)))
            .addGap(20, 20, 20)
            .addComponent(User_details, javax.swing.GroupLayout.PREFERRED_SIZE, 192,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(20, 20, 20)
            .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 192,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(20, 20, 20))
    );
    jPanel2Layout.setVerticalGroup(
        jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup())
            .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(issuing_history_menu, javax.swing.GroupLayout.PREFERRED_SIZE,
60, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(inventory_menu, javax.swing.GroupLayout.PREFERRED_SIZE, 60,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(Printing_Photocopy_menu,
javax.swing.GroupLayout.PREFERRED_SIZE, 60, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(User_details, javax.swing.GroupLayout.PREFERRED_SIZE, 60,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 60,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 58,
Short.MAX_VALUE)

```

```

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(cmd_exit, javax.swing.GroupLayout.PREFERRED_SIZE, 45,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(cmd_logout, javax.swing.GroupLayout.PREFERRED_SIZE, 45,
javax.swing.GroupLayout.PREFERRED_SIZE))
.addContainerGap(18, 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)
    .addGroup(layout.createSequentialGroup())
    .addGap(40, 40, 40)
    .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
    .addGap(40, 40, 40))
);
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(122, 122, 122)
    .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
    .addContainerGap(75, Short.MAX_VALUE))
);

```

```

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

```

```

private void Printing_Photocopy_menuActionPerformed(java.awt.event.ActionEvent evt) {
    Printing_and_Photocopy a =new Printing_and_Photocopy();
    a.setVisible(true);
    close();
}

```

```

private void inventory_menuActionPerformed(java.awt.event.ActionEvent evt) {
    Inventory a =new Inventory();
    a.setVisible(true);
}

```

```

close();
}

private void issuing_history_menuActionPerformed(java.awt.event.ActionEvent evt) {
    Issuing_History a =new Issuing_History();
    a.setVisible(true);
    close();
}

private void User_detailsActionPerformed(java.awt.event.ActionEvent evt) {
    UserDetails a =new UserDetails();
    a.setVisible(true);
    close();
}

private void cmd_exitActionPerformed(java.awt.event.ActionEvent evt) {
    System.exit(0);
}

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

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    Courier a =new Courier();
    a.setVisible(true);
    close();// 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(Reprographicsdata.class.getName()).log(java.util.logging.Level
I.SEVERE, null, ex);
    } catch (InstantiationException ex) {

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

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

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

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

// Variables declaration - do not modify
private javax.swing.JButton Printing_Photocopy_menu;
private javax.swing.JTable Table_MainMenu;
private javax.swing.JButton User_details;
private javax.swing.JButton cmd_exit;
private javax.swing.JButton cmd_logout;
private javax.swing.JButton inventory_menu;
private javax.swing.JButton issuing_history_menu;
private javax.swing.JButton jButton1;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JPanel jPanel1;

```

```
private javax.swing.JPanel jPanel2;  
private javax.swing.JPanel jPanel3;  
private javax.swing.JScrollPane jScrollPane1;  
// End of variables declaration  
}
```

## Java Connect

```
/*  
 * To change this license header, choose License Headers in Project Properties.  
 * To change this template file, choose Tools | Templates  
 * and open the template in the editor.  
 */  
  
/**  
 *  
 * @author raqibmuktadir  
 */  
import java.sql.*;  
import javax.swing.*;  
public class javaconnect {  
    Connection conn= null;  
    public static Connection ConnecrDb(){  
        try{  
            Class.forName("org.sqlite.JDBC");
```

```

        Connection conn
=DriverManager.getConnection("jdbc:sqlite:MacintoshHD\\raqibmuktadir\\NetBeansProjects\\
Reprographics\\Reprographics.sqlite");
        //JOptionPane.showMessageDialog(null, "Connection Established");
        return conn;
    }catch (Exception e){
        JOptionPane.showMessageDialog(null, e);
        return null;
    }
}
}

```

## Inventory

```

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

/**
 *
 * @author raqibmuktadir
 */
import java.util.Date;
import com.itextpdf.text.BaseColor;
import com.itextpdf.text.Document;
import com.itextpdf.text.Element;
import com.itextpdf.text.FontFactory;
import com.itextpdf.text.Image;
import com.itextpdf.text.Paragraph;
import com.itextpdf.text.pdf.PdfPCell;
import com.itextpdf.text.pdf.PdfPTable;
import com.itextpdf.text.pdf.PdfWriter;
import java.awt.event.*;
import java.awt.*;
import java.sql.*;
import javax.swing.*;
import net.proteanit.sql.DbUtils;
import java.text.*;
import java.io.File;
import java.io.FileOutputStream;

```

```

import java.util.Calendar;
import java.util.GregorianCalendar;
public class Inventory extends javax.swing.JFrame {
    Connection conn=null;
    ResultSet rs=null;
    PreparedStatement pst=null;
    /**
     * Creates new form Inventory
     */
    public Inventory() {
        initComponents();
        conn=javaconnect.ConnecrDb();
        Update_table();
    }
    public void Update_table(){
        try{
            String sql= "select * from Inventory";
            pst=conn.prepareStatement(sql);
            rs=pst.executeQuery();
            Table_inventory.setModel(DbUtils.resultSetToTableModel(rs));
        }
        catch(Exception e){
            JOptionPane.showMessageDialog(null, e);
        } finally{
            try{
                rs.close();
                pst.close();
            }
            catch(Exception e){
            }
        }
    }

    public void close(){
        WindowEvent winClosingEvent = new WindowEvent(this,
        WindowEvent.WINDOW_CLOSING);
        Toolkit.getDefaultToolkit().getSystemEventQueue().postEvent(winClosingEvent);
    }
    /**
     * 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();
    jLabel1 = new javax.swing.JLabel();
    jScrollPane1 = new javax.swing.JScrollPane();
    Table_inventory = new javax.swing.JTable();
    jPanel2 = new javax.swing.JPanel();
    jLabel4 = new javax.swing.JLabel();
    txt_product_id = new javax.swing.JTextField();
    jLabel5 = new javax.swing.JLabel();
    txt_item_name = new javax.swing.JTextField();
    cmd_delete = new javax.swing.JButton();
    txt_type_of_item = new javax.swing.JTextField();
    txt_units_in_inventory = new javax.swing.JTextField();
    cmd_save = new javax.swing.JButton();
    cmd_update = new javax.swing.JButton();
    jLabel2 = new javax.swing.JLabel();
    jLabel3 = new javax.swing.JLabel();
    back = new javax.swing.JButton();
    cmd_clear = new javax.swing.JButton();
    cmd_print = new javax.swing.JButton();
    jPanel3 = new javax.swing.JPanel();
    txt_search = new javax.swing.JTextField();
    jPanel4 = new javax.swing.JPanel();
    cmd_attach = new javax.swing.JButton();
    txt_filechooser = new javax.swing.JTextField();
    cmd_generate = new javax.swing.JButton();

    setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE_ON_CLOSE);

    jPanel1.setBackground(new java.awt.Color(204, 255, 255));

    jLabel1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/uwc-logo.png"))); //
NOI18N

    javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
    jPanel1.setLayout(jPanel1Layout);
    jPanel1Layout.setHorizontalGroup(
        jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(500, 500, 500)
                .addComponent(jLabel1)
                .addGap(500, 500, 500))
    );
}
// </editor-fold>
```

```

);
jPanel1Layout.setVerticalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jLabel1, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
);

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

        },
    new String [] {
        "Product ID", "Item Name", "Type of Item", "Units in Inventory"
    }
));
Table_inventory.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        Table_inventoryMouseClicked(evt);
    }
});
Table_inventory.addKeyListener(new java.awt.event.KeyAdapter() {
    public void keyPressed(java.awt.event.KeyEvent evt) {
        Table_inventoryKeyPressed(evt);
    }
});
jScrollPane1.setViewportViewView(Table_inventory);

jPanel2.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Inventory",
javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION,
javax.swing.border.TitledBorder.DEFAULT_POSITION, new java.awt.Font("Lucida Grande", 1,
18))); // NOI18N

jLabel4.setText("Type of Item");

jLabel5.setText("Units in Inventory");

cmd_delete.setText("Delete");
cmd_delete.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        cmd_deleteActionPerformed(evt);
    }
});

```

```

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

cmd_update.setText("Update");
cmd_update.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        cmd_updateActionPerformed(evt);
    }
});

jLabel2.setText("Product ID");

jLabel3.setText("Item Name");

back.setText("Back to Main Menu");
back.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        backActionPerformed(evt);
    }
});

cmd_clear.setText("Clear");
cmd_clear.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        cmd_clearActionPerformed(evt);
    }
});

cmd_print.setText("Print");
cmd_print.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        cmd_printActionPerformed(evt);
    }
});

javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
jPanel2.setLayout(jPanel2Layout);
jPanel2Layout.setHorizontalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .add(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .add(jLabel2)
                .add(jLabel3)
                .add(back)
                .add(cmd_save)
                .add(cmd_update)
                .add(cmd_clear)
                .add(cmd_print)
            )
            .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
);

```

```

        .addContainerGap()

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

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jLabel2)
        .addComponent(jLabel3)
        .addComponent(jLabel4)
        .addComponent(jLabel5))
        .addGap(49, 49, 49)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
        .addComponent(txt_product_id)
        .addComponent(txt_item_name)
        .addComponent(txt_type_of_item)
        .addComponent(txt_units_in_inventory)))
        .addGroup(jPanel2Layout.createSequentialGroup())

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup())
            .addComponent(cmd_update)
            .addGap(20, 20, 20)
            .addComponent(cmd_save)
            .addGap(20, 20, 20)
            .addComponent(cmd_delete)
            .addGap(20, 20, 20)
            .addComponent(cmd_clear))
        .addGroup(jPanel2Layout.createSequentialGroup())
            .addGap(41, 41, 41)
            .addComponent(back)
            .addGap(18, 18, 18)
            .addComponent(cmd_print)))
        .addGap(0, 0, Short.MAX_VALUE)))
        .addContainerGap())
);
jPanel2Layout.setVerticalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup())
            .addContainerGap()

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel2)

```



```

        .addComponent(txt_product_id, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(22, 22, 22)

    .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jLabel3)
        .addComponent(txt_item_name, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(21, 21, 21)

    .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jLabel4)
        .addComponent(txt_type_of_item, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(19, 19, 19)

    .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jLabel5)
        .addComponent(txt_units_in_inventory, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(30, 30, 30)

    .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(cmd_update)
        .addComponent(cmd_delete)
        .addComponent(cmd_save)
        .addComponent(cmd_clear))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

    .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(back)
        .addComponent(cmd_print))
        .addContainerGap(14, Short.MAX_VALUE))
    );

    jPanel3.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Search",
javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION,
javax.swing.border.TitledBorder.DEFAULT_POSITION, new java.awt.Font("Lucida Grande", 1,
18))); // NOI18N

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

```

```

});
txt_search.addKeyListener(new java.awt.event.KeyAdapter() {
    public void keyReleased(java.awt.event.KeyEvent evt) {
        txt_searchKeyReleased(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(10, 10, 10)
            .addComponent(txt_search, javax.swing.GroupLayout.PREFERRED_SIZE, 312,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(10, 10, 10))
        );
jPanel3Layout.setVerticalGroup(
    jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel3Layout.createSequentialGroup()
            .addGap(10, 10, 10)
            .addComponent(txt_search, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(10, 10, 10))
        );

jPanel4.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "File Chooser",
javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION,
javax.swing.border.TitledBorder.DEFAULT_POSITION, new java.awt.Font("Lucida Grande", 1,
18))); // NOI18N

cmd_attach.setText("Attach");
cmd_attach.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        cmd_attachActionPerformed(evt);
    }
});

javax.swing.GroupLayout jPanel4Layout = new javax.swing.GroupLayout(jPanel4);
jPanel4.setLayout(jPanel4Layout);
jPanel4Layout.setHorizontalGroup(
    jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel4Layout.createSequentialGroup()
            .addGap(10, 10, 10)
            .addComponent(cmd_attach, javax.swing.GroupLayout.PREFERRED_SIZE, 100,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(10, 10, 10))
        );
jPanel4Layout.setVerticalGroup(
    jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel4Layout.createSequentialGroup()
            .addGap(10, 10, 10)
            .addComponent(cmd_attach, javax.swing.GroupLayout.PREFERRED_SIZE, 30,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(10, 10, 10))
        );

```

```

        .addComponent(txt_filechooser, javax.swing.GroupLayout.PREFERRED_SIZE, 241,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(cmd_attach)
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
    );
    jPanel4Layout.setVerticalGroup(
        jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel4Layout.createSequentialGroup())
        .addContainerGap()

.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(txt_filechooser, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(cmd_attach))
        .addContainerGap())
    );

    cmd_generate.setText("Generate Report");
    cmd_generate.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            cmd_generateActionPerformed(evt);
        }
    });

    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)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
            .addContainerGap(24, true)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jPanel4, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(cmd_generate))
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)

```

```

        .addGap(18, 18, 18)
        .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 454,
javax.swing.GroupLayout.PREFERRED_SIZE))
    );
    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(18, 18, 18)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGroup(layout.createSequentialGroup()
                    .addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                    .addComponent(jPanel4, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(18, 18, 18)
                    .addComponent(cmd_generate))
                .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)))
        );

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

```

```

private void cmd_updateActionPerformed(java.awt.event.ActionEvent evt) {
    try{
        String value1 = txt_product_id.getText();
        String value2 = txt_item_name.getText();
        String value3 = txt_type_of_item.getText();
        String value4 = txt_units_in_inventory.getText();
        String sql= "update Inventory set ID_Number='"+value1+"' ,Item_Name='"+value2+"'
,Type_of_Item='"+value3+"' ,Units_In_Inventory='"+value4+"' where ID_Number='"+value1+"'";
        pst=conn.prepareStatement(sql);
        pst.execute();
        JOptionPane.showMessageDialog(null, "Updated");
    }
    catch(Exception e){
        JOptionPane.showMessageDialog(null, e);
    }
    Update_table();
}

```

```
}
```

```
private void Table_inventoryMouseClicked(java.awt.event.MouseEvent evt) {
    try{
        int row = Table_inventory.getSelectedRow();
        String Table_click= (Table_inventory.getModel().getValueAt(row, 0).toString());
        String sql ="select * from Inventory where ID_Number='"+Table_click+"'";
        pst=conn.prepareStatement(sql);
        rs=pst.executeQuery();
        if(rs.next()){
            String add1=rs.getString("ID_Number");
            txt_product_id.setText(add1);
            String add2=rs.getString("Item_Name");
            txt_item_name.setText(add2);
            String add3=rs.getString("Type_of_Item");
            txt_type_of_item.setText(add3);
            String add4=rs.getString("Units_In_Inventory");
            txt_units_in_inventory.setText(add4);

        }
    }
    catch(Exception e){
        JOptionPane.showMessageDialog(null, e);
    } finally{
        try{
            rs.close();
            pst.close();
        }
        catch(Exception e){
        }
    }
}
```

```
private void backActionPerformed(java.awt.event.ActionEvent evt) {
    Reprographicsdata a =new Reprographicsdata();
    a.setVisible(true);
    close();// TODO add your handling code here:
}
```

```
private void cmd_saveActionPerformed(java.awt.event.ActionEvent evt) {
    try{
        String sql= "Insert into Inventory
(ID_Number,Item_Name,Type_of_Item,Units_In_Inventory) values (?, ?, ?, ?)";
        pst=conn.prepareStatement(sql);
```

```

        pst.setString(1, txt_product_id.getText());
        pst.setString(2, txt_item_name.getText());
        pst.setString(3, txt_type_of_item.getText());
        pst.setString(4, txt_units_in_inventory.getText());
        pst.execute();
        JOptionPane.showMessageDialog(null, "Saved");
    }
    catch(Exception e){
        JOptionPane.showMessageDialog(null, e);
    }
    Update_table();
}

private void cmd_deleteActionPerformed(java.awt.event.ActionEvent evt) {
    String sql= "delete from Inventory where ID_Number=?";
    try{
        pst=conn.prepareStatement(sql);
        pst.setString(1, txt_product_id.getText());
        pst.execute();
        JOptionPane.showMessageDialog(null, "Deleted");
    }
    catch(Exception e){
        JOptionPane.showMessageDialog(null, e);
    }
    Update_table();
}

private void cmd_clearActionPerformed(java.awt.event.ActionEvent evt) {
    txt_product_id.setText("");
    txt_item_name.setText("");
    txt_type_of_item.setText("");
    txt_units_in_inventory.setText("");
}

private void txt_searchKeyReleased(java.awt.event.KeyEvent evt) {
    try{
        String sql= "select * from Inventory where Type_of_Item=?";
        pst=conn.prepareStatement(sql);
        pst.setString(1, txt_search.getText());
        rs=pst.executeQuery();
        if(rs.next()){
            String add1=rs.getString("ID_Number");
            txt_product_id.setText(add1);
            String add2=rs.getString("Item_Name");

```

```

        txt_item_name.setText(add2);
        String add3=rs.getString("Type_of_Item");
        txt_type_of_item.setText(add3);
        String add4=rs.getString("Units_In_Inventory");
        txt_units_in_inventory.setText(add4);
    }
}
catch(Exception e){
    JOptionPane.showMessageDialog(null, e);
}finally{
    try{
        rs.close();
        pst.close();
    }
    catch(Exception e){
    }
}

try{
    String sql= "select * from Inventory where ID_Number=?";
    pst=conn.prepareStatement(sql);
    pst.setString(1, txt_search.getText());
    rs=pst.executeQuery();
    if(rs.next()){
        String add1=rs.getString("ID_Number");
        txt_product_id.setText(add1);
        String add2=rs.getString("Item_Name");
        txt_item_name.setText(add2);
        String add3=rs.getString("Type_of_Item");
        txt_type_of_item.setText(add3);
        String add4=rs.getString("Units_In_Inventory");
        txt_units_in_inventory.setText(add4);
    }
}
catch(Exception e){
    JOptionPane.showMessageDialog(null, e);
}finally{
    try{
        rs.close();
        pst.close();
    }
    catch(Exception e){
    }
}

```

```

try{
    String sql= "select * from Inventory where Item_Name=?";
    pst=conn.prepareStatement(sql);
    pst.setString(1, txt_search.getText());
    rs=pst.executeQuery();
    if(rs.next()){
        String add1=rs.getString("ID_Number");
        txt_product_id.setText(add1);
        String add2=rs.getString("Item_Name");
        txt_item_name.setText(add2);
        String add3=rs.getString("Type_of_Item");
        txt_type_of_item.setText(add3);
        String add4=rs.getString("Units_In_Inventory");
        txt_units_in_inventory.setText(add4);
    }
}
catch(Exception e){
    JOptionPane.showMessageDialog(null, e);
}finally{
    try{
        rs.close();
        pst.close();
    }
    catch(Exception e){
    }
}

try{
    String sql= "select * from Inventory where Units_In_Inventory=?";
    pst=conn.prepareStatement(sql);
    pst.setString(1, txt_search.getText());
    rs=pst.executeQuery();
    if(rs.next()){
        String add1=rs.getString("ID_Number");
        txt_product_id.setText(add1);
        String add2=rs.getString("Item_Name");
        txt_item_name.setText(add2);
        String add3=rs.getString("Type_of_Item");
        txt_type_of_item.setText(add3);
        String add4=rs.getString("Units_In_Inventory");
        txt_units_in_inventory.setText(add4);
    }
}
}

```



```

catch(Exception e){
    JOptionPane.showMessageDialog(null, e);
}finally{
    try{
        rs.close();
        pst.close();
    }
    catch(Exception e){
    }
}
}

```

```

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

```

```

private void Table_inventoryKeyPressed(java.awt.event.KeyEvent evt) {
if(evt.getKeyCode()==KeyEvent.VK_DOWN || evt.getKeyCode()==KeyEvent.VK_UP){
    try{
        int row = Table_inventory.getSelectedRow();
        String Table_click= (Table_inventory.getModel().getValueAt(row, 0).toString());
        String sql ="select * from Inventory where ID_Number='"+Table_click+"'";
        pst=conn.prepareStatement(sql);
        rs=pst.executeQuery();
        if(rs.next()){
            String add1=rs.getString("ID_Number");
            txt_product_id.setText(add1);
            String add2=rs.getString("Item_Name");
            txt_item_name.setText(add2);
            String add3=rs.getString("Type_of_Item");
            txt_type_of_item.setText(add3);
            String add4=rs.getString("Units_In_Inventory");
            txt_units_in_inventory.setText(add4);

        }
    }
    catch(Exception e){
        JOptionPane.showMessageDialog(null, e);
    }finally{
        try{
            rs.close();
            pst.close();
        }
        catch(Exception e){

```

```

    }
}
}

```

```

private void cmd_printActionPerformed(java.awt.event.ActionEvent evt) {
    MessageFormat header= new MessageFormat("Inventory Report");
    MessageFormat footer= new MessageFormat("Page{0,number,integer}");
    try{
        Table_inventory.print(JTable.PrintMode.NORMAL, header, footer);
    }
    catch(java.awt.print.PrinterException e){
        System.err.format("Cannot print", e.getMessage());
    }
}

```

```

private void cmd_attachActionPerformed(java.awt.event.ActionEvent evt) {
    JFileChooser chooser= new JFileChooser();
    chooser.showOpenDialog(null);
    File f =chooser.getSelectedFile();
    String filename =f.getAbsolutePath();
    txt_filechooser.setText(filename);
}

```

```

private void cmd_generateActionPerformed(java.awt.event.ActionEvent evt) {
    String Value1 = txt_product_id.getText();
    String Value2 = txt_item_name.getText();
    String Value3 = txt_type_of_item.getText();
    String Value4 = txt_units_in_inventory.getText();

    Calendar cal= new GregorianCalendar();
    int year = cal.get(Calendar.YEAR);
    int month = cal.get(Calendar.MONTH);
    int day = cal.get(Calendar.DAY_OF_MONTH);
    System.out.println("Current date : "
        + day + "/" + (month + 1) + "/" + year);

    try{
        Document document= new Document();
        PdfWriter.getInstance(document, new FileOutputStream("Report.pdf"));
        document.open();
        Image image=Image.getInstance("logo.png");
        document.add(new Paragraph("Image"));
        document.add(image);
    }
}

```

```

        document.add(new Paragraph("Inventory",
FontFactory.getFont(FontFactory.TIMES_BOLD,24,Font.BOLD,BaseColor.BLACK)));
        document.add(new Paragraph(new Date().toString()));
        document.add(new Paragraph("-----
-----"));
        PdfPTable table=new PdfPTable(2);
        PdfPCell cell= new PdfPCell(new Paragraph("Report"));
        cell.setColspan(4);
        cell.setHorizontalAlignment(Element.ALIGN_CENTER);
        cell.setBackgroundColor(BaseColor.CYAN);
        table.addCell(cell);
        table.addCell("Product ID");
        table.addCell(Value1);
        table.addCell("Item Name");
        table.addCell(Value2);
        table.addCell("Type of Item");
        table.addCell(Value3);
        table.addCell("Units in Inventory");
        table.addCell(Value4);
        document.add(table);
        document.close();
        JOptionPane.showMessageDialog(null, "Report created");
    }catch(Exception e){
        JOptionPane.showMessageDialog(null, e);
    }

}

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

```

```

    }
    }
} catch (ClassNotFoundException ex) {

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

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

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

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

// Variables declaration - do not modify
private javax.swing.JTable Table_inventory;
private javax.swing.JButton back;
private javax.swing.JButton cmd_attach;
private javax.swing.JButton cmd_clear;
private javax.swing.JButton cmd_delete;
private javax.swing.JButton cmd_generate;
private javax.swing.JButton cmd_print;
private javax.swing.JButton cmd_save;
private javax.swing.JButton cmd_update;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;

```

```

private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JPanel jPanel3;
private javax.swing.JPanel jPanel4;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JTextField txt_filechooser;
private javax.swing.JTextField txt_item_name;
private javax.swing.JTextField txt_product_id;
private javax.swing.JTextField txt_search;
private javax.swing.JTextField txt_type_of_item;
private javax.swing.JTextField txt_units_in_inventory;
// End of variables declaration
}

```

## Printing and Photocopy

```

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

/**
 *
 * @author raqibmuktadir
 */
import com.itextpdf.text.BaseColor;
import com.itextpdf.text.Document;
import com.itextpdf.text.Element;
import com.itextpdf.text.FontFactory;
import com.itextpdf.text.Paragraph;
import com.itextpdf.text.pdf.PdfPCell;
import com.itextpdf.text.pdf.PdfPTable;
import com.itextpdf.text.pdf.PdfWriter;
import java.sql.*;
import javax.swing.*;
import net.proteanit.sql.DbUtils;
import java.awt.event.*;
import java.awt.*;
import java.text.*;
import java.io.File;
import java.io.FileOutputStream;
import java.util.Calendar;

```

```

import java.util.GregorianCalendar;
public class Printing_and_Photocopy extends javax.swing.JFrame {
    Connection conn=null;
    ResultSet rs=null;
    PreparedStatement pst=null;
    /**
     * Creates new form Printing_and_Photocopy
     */
    public Printing_and_Photocopy() {
        initComponents();
        conn=javaconnect.ConnecrDb();
        Update_table();
    }
    public void Update_table(){
        try{
            String sql= "select * from Printing_and_Photocopy";
            pst=conn.prepareStatement(sql);
            rs=pst.executeQuery();
            Table_PnP.setModel(DbUtils.resultSetToTableModel(rs));
        }
        catch(Exception e){
            JOptionPane.showMessageDialog(null, e);
        } finally{
            try{
                rs.close();
                pst.close();
            }
            catch(Exception e){
            }
        }
    }

    }
    public void close(){
        WindowEvent winClosingEvent = new WindowEvent(this,
WindowEvent.WINDOW_CLOSING);
        Toolkit.getDefaultToolkit().getSystemEventQueue().postEvent(winClosingEvent);
    }

    /**
     * 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() {

    cmd_print = new javax.swing.JButton();
    jScrollPane1 = new javax.swing.JScrollPane();
    Table_PnP = new javax.swing.JTable();
    jPanel1 = new javax.swing.JPanel();
    jLabel1 = new javax.swing.JLabel();
    jPanel2 = new javax.swing.JPanel();
    txt_quantity = new javax.swing.JTextField();
    jLabel3 = new javax.swing.JLabel();
    jLabel5 = new javax.swing.JLabel();
    txt_work_type = new javax.swing.JTextField();
    cmd_save = new javax.swing.JButton();
    txt_name = new javax.swing.JTextField();
    txt_id = new javax.swing.JTextField();
    cmd_update = new javax.swing.JButton();
    cmd_delete = new javax.swing.JButton();
    jLabel4 = new javax.swing.JLabel();
    jLabel2 = new javax.swing.JLabel();
    jLabel6 = new javax.swing.JLabel();
    txt_choice_of_paper = new javax.swing.JTextField();
    back = new javax.swing.JButton();
    cmd_clear = new javax.swing.JButton();
    cmd_print1 = new javax.swing.JButton();
    jPanel3 = new javax.swing.JPanel();
    txt_search = new javax.swing.JTextField();
    jPanel4 = new javax.swing.JPanel();
    cmd_attach = new javax.swing.JButton();
    txt_filechooser = new javax.swing.JTextField();
    cmd_generate = new javax.swing.JButton();

    cmd_print.setText("Print");

    setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE_ON_CLOSE);

    Table_PnP.setModel(new javax.swing.table.DefaultTableModel(
        new Object [][] {
            {null, null, null, null},
            {null, null, null, null},
            {null, null, null, null},
            {null, null, null, null}
        },
        new String[] {
        }
    ));

```

```

    },
    new String [] {
        "Title 1", "Title 2", "Title 3", "Title 4"
    }
));
Table_PnP.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        Table_PnPMouseClicked(evt);
    }
});
Table_PnP.addKeyListener(new java.awt.event.KeyAdapter() {
    public void keyPressed(java.awt.event.KeyEvent evt) {
        Table_PnPKeyPressed(evt);
    }
});
jScrollPane1.setViewportViewView(Table_PnP);

jPanel1.setBackground(new java.awt.Color(204, 255, 255));

jLabel1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/uwc-logo.png"))); //
NOI18N

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
            .addGap(550, 550, 550)
            .addComponent(jLabel1)
            .addGap(550, 550, 550))
);
jPanel1Layout.setVerticalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jLabel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
);

jPanel2.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Printing and
Photocopy", javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION,
javax.swing.border.TitledBorder.DEFAULT_POSITION, new java.awt.Font("Lucida Grande", 1,
18))); // NOI18N

jLabel3.setText("Name");

```



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

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

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

```
cmd_update.setText("Update");  
cmd_update.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        cmd_updateActionPerformed(evt);  
    }  
});
```

```
cmd_delete.setText("Delete");  
cmd_delete.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        cmd_deleteActionPerformed(evt);  
    }  
});
```

```
jLabel4.setText("Work Type");
```

```
jLabel2.setText("ID");
```

```
jLabel6.setText("Paper Type");
```

```
back.setText("Back to Main Menu");  
back.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        backActionPerformed(evt);  
    }  
});
```

```
cmd_clear.setText("Clear");
```

```

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

cmd_print1.setText("Print");
cmd_print1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        cmd_print1ActionPerformed(evt);
    }
});

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(cmd_update)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(cmd_save)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(cmd_clear)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(cmd_delete)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(cmd_print1)
            .addGap(0, 0, Short.MAX_VALUE))
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addComponent(jLabel6)
            .addComponent(jLabel2)
            .addComponent(jLabel3)
            .addComponent(jLabel4)
            .addComponent(jLabel5)
            .addGap(53, 53, 53))
);

```

```

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(txt_quantity)
    .addComponent(txt_work_type)
    .addComponent(txt_name)
    .addComponent(txt_id)
    .addComponent(txt_choice_of_paper))))
.addContainerGap()
);
jPanel2Layout.setVerticalGroup(
jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(jPanel2Layout.createSequentialGroup()
.addContainerGap()

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jLabel2)
    .addComponent(txt_id, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
.addGap(20, 20, 20)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jLabel3)
    .addComponent(txt_name, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
.addGap(20, 20, 20)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jLabel4)
    .addComponent(txt_work_type, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
.addGap(20, 20, 20)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jLabel5)
    .addComponent(txt_quantity, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 20,
Short.MAX_VALUE)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jLabel6)
    .addComponent(txt_choice_of_paper, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
.addGap(20, 20, 20)

```

```

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(cmd_update)
    .addComponent(cmd_save)
    .addComponent(cmd_delete)
    .addComponent(back)
    .addComponent(cmd_clear)
    .addComponent(cmd_print1)))
);

```

```

jPanel3.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Search",
javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION,
javax.swing.border.TitledBorder.DEFAULT_POSITION, new java.awt.Font("Lucida Grande", 1,
18))); // NOI18N

```

```

txt_search.addKeyListener(new java.awt.event.KeyAdapter() {
    public void keyReleased(java.awt.event.KeyEvent evt) {
        txt_searchKeyReleased(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(10, 10, 10)
            .addComponent(txt_search, javax.swing.GroupLayout.PREFERRED_SIZE, 312,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(10, 10, 10))
);
jPanel3Layout.setVerticalGroup(
    jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel3Layout.createSequentialGroup()
            .addGap(10, 10, 10)
            .addComponent(txt_search, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(10, 10, 10))
);

```

```

jPanel4.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "File Chooser",
javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION,
javax.swing.border.TitledBorder.DEFAULT_POSITION, new java.awt.Font("Lucida Grande", 1,
18))); // NOI18N

```

```

cmd_attach.setText("Attach");
cmd_attach.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        cmd_attachActionPerformed(evt);
    }
});

javax.swing.GroupLayout jPanel4Layout = new javax.swing.GroupLayout(jPanel4);
jPanel4.setLayout(jPanel4Layout);
jPanel4Layout.setHorizontalGroup(
    jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel4Layout.createSequentialGroup()
            .addGap(10, 10, 10)
            .addComponent(txt_filechooser, javax.swing.GroupLayout.PREFERRED_SIZE, 241,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(cmd_attach)
            .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        );
jPanel4Layout.setVerticalGroup(
    jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel4Layout.createSequentialGroup()
            .addGap(10, 10, 10)
            .addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(txt_filechooser, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(cmd_attach))
            .addContainerGap())
        );

cmd_generate.setText("Generate Report");
cmd_generate.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        cmd_generateActionPerformed(evt);
    }
});

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)
        .addGroup(layout.createSequentialGroup()
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(layout.createSequentialGroup()
                    .addGap(26, 26, 26)
                    .addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(31, 31, 31))
                .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
                    .addComponent(cmd_generate)
                    .addComponent(jPanel4, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)))
            .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addGap(18, 18, 18)
            .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(18, 18, 18))
        .addContainerGap(18, true));
    layout.setVerticalGroup(
        javax.swing.GroupLayout.Alignment.LEADING,
        layout.createSequentialGroup()
            .addGroup(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(18, 18, 18)
                    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                        .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addGroup(layout.createSequentialGroup()
                            .addGap(8, 8, 8)
                            .addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                            .addComponent(jPanel4, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)))
                    .addGap(18, 18, 18))
                .addGroup(layout.createSequentialGroup()
                    .addComponent(cmd_generate)
                    .addComponent(jPanel4, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)))
            .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addGap(18, 18, 18)
            .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(18, 18, 18))
        .addContainerGap(18, true));
    layout.setHorizontalGroup(
        javax.swing.GroupLayout.Alignment.LEADING,
        layout.createSequentialGroup()
            .addGroup(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(18, 18, 18)
                    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                        .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addGroup(layout.createSequentialGroup()
                            .addGap(8, 8, 8)
                            .addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                            .addComponent(jPanel4, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)))
                    .addGap(18, 18, 18))
                .addGroup(layout.createSequentialGroup()
                    .addComponent(cmd_generate)
                    .addComponent(jPanel4, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)))
            .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addGap(18, 18, 18)
            .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(18, 18, 18))
        .addContainerGap(18, true));
    layout.setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
    layout.setSize(new Dimension(400, 400));
    layout.setVisible(true);
}

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

```

```

        .addComponent(cmd_generate)))
        .addContainerGap(21, Short.MAX_VALUE))
    );

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

private void cmd_updateActionPerformed(java.awt.event.ActionEvent evt) {
try{
    String value1 = txt_id.getText();
    String value2 = txt_name.getText();
    String value3 = txt_work_type.getText();
    String value4 = txt_quantity.getText();
    String value5 = txt_choice_of_paper.getText();
    String sql= "update Printing_and_Photocopy set ID='"+value1+"' ,Name='"+value2+"'
,Work_Type='"+value3+"' ,Quantity='"+value4+"' ,Paper_Type='"+value5+"' where
ID='"+value1+"'";
    pst=conn.prepareStatement(sql);
    pst.execute();
    JOptionPane.showMessageDialog(null, "Updated");
}
catch(Exception e){
    JOptionPane.showMessageDialog(null, e);
}
Update_table();    // TODO add your handling code here:
}

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

private void Table_PnPMouseClicked(java.awt.event.MouseEvent evt) {
try{
    int row = Table_PnP.getSelectedRow();
    String Table_click= (Table_PnP.getModel().getValueAt(row, 0).toString());
    String sql ="select * from Printing_and_Photocopy where ID='"+Table_click+"'";
    pst=conn.prepareStatement(sql);
    rs=pst.executeQuery();
    if(rs.next()){
        String add1=rs.getString("ID");
        txt_id.setText(add1);
        String add2=rs.getString("Name");
        txt_name.setText(add2);
        String add3=rs.getString("Work_Type");

```

```

        txt_work_type.setText(add3);
        String add4=rs.getString("Quantity");
        txt_quantity.setText(add4);
        String add5=rs.getString("Paper_Type");
        txt_choice_of_paper.setText(add5);
    }
}
catch(Exception e){
JOptionPane.showMessageDialog(null, e);
} finally{
    try{
        rs.close();
        pst.close();
    }
    catch(Exception e){
    }
} // TODO add your handling code here:
}

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

private void cmd_saveActionPerformed(java.awt.event.ActionEvent evt) {
try{
    String sql= "Insert into Printing_and_Photocopy
(ID,Name,Work_Type,Quantity,Paper_Type) values (?, ?, ?, ?, ?)";
    pst=conn.prepareStatement(sql);
    pst.setString(1, txt_id.getText());
    pst.setString(2, txt_name.getText());
    pst.setString(3, txt_work_type.getText());
    pst.setString(4, txt_quantity.getText());
    pst.setString(5, txt_choice_of_paper.getText());
    pst.execute();
    JOptionPane.showMessageDialog(null, "Saved");
}
catch(Exception e){
    JOptionPane.showMessageDialog(null, e);
}
Update_table(); // TODO add your handling code here:
}

```



```

private void cmd_deleteActionPerformed(java.awt.event.ActionEvent evt) {
String sql= "delete from Printing_and_Photocopy where ID=?";
try{
    pst=conn.prepareStatement(sql);
    pst.setString(1, txt_id.getText());
    pst.execute();
    JOptionPane.showMessageDialog(null, "Deleted");
}
catch(Exception e){
    JOptionPane.showMessageDialog(null, e);
}
Update_table();
}

```

```

private void cmd_clearActionPerformed(java.awt.event.ActionEvent evt) {
txt_id.setText("");
txt_name.setText("");
txt_work_type.setText("");
txt_quantity.setText("");
txt_choice_of_paper.setText("");
}

```

```

private void txt_searchKeyReleased(java.awt.event.KeyEvent evt) {
try{
    String sql= "select * from Printing_and_Photocopy where Name=?";
    pst=conn.prepareStatement(sql);
    pst.setString(1, txt_search.getText());
    rs=pst.executeQuery();
    if(rs.next()){
        String add1=rs.getString("ID");
        txt_id.setText(add1);
        String add2=rs.getString("Name");
        txt_name.setText(add2);
        String add3=rs.getString("Work_Type");
        txt_work_type.setText(add3);
        String add4=rs.getString("Quantity");
        txt_quantity.setText(add4);
        String add5=rs.getString("Paper_Type");
        txt_choice_of_paper.setText(add5);
    }
}
catch(Exception e){
    JOptionPane.showMessageDialog(null, e);
}finally{

```

```

try{
    rs.close();
    pst.close();
}
catch(Exception e){
}
}

try{
    String sql= "select * from Printing_and_Photocopy where ID=?";
    pst=conn.prepareStatement(sql);
    pst.setString(1, txt_search.getText());
    rs=pst.executeQuery();
    if(rs.next()){
        String add1=rs.getString("ID");
        txt_id.setText(add1);
        String add2=rs.getString("Name");
        txt_name.setText(add2);
        String add3=rs.getString("Work_Type");
        txt_work_type.setText(add3);
        String add4=rs.getString("Quantity");
        txt_quantity.setText(add4);
        String add5=rs.getString("Paper_Type");
        txt_choice_of_paper.setText(add5);
    }
}
catch(Exception e){
    JOptionPane.showMessageDialog(null, e);
}finally{
    try{
        rs.close();
        pst.close();
    }
    catch(Exception e){
    }
}

try{
    String sql= "select * from Printing_and_Photocopy where Work_Type=?";
    pst=conn.prepareStatement(sql);
    pst.setString(1, txt_search.getText());
    rs=pst.executeQuery();
    if(rs.next()){
        String add1=rs.getString("ID");

```

```

        txt_id.setText(add1);
        String add2=rs.getString("Name");
        txt_name.setText(add2);
        String add3=rs.getString("Work_Type");
        txt_work_type.setText(add3);
        String add4=rs.getString("Quantity");
        txt_quantity.setText(add4);
        String add5=rs.getString("Paper_Type");
        txt_choice_of_paper.setText(add5);
    }
}
catch(Exception e){
    JOptionPane.showMessageDialog(null, e);
}finally{
    try{
        rs.close();
        pst.close();
    }
    catch(Exception e){
    }
}

try{
    String sql= "select * from Printing_and_Photocopy where Quantity=?";
    pst=conn.prepareStatement(sql);
    pst.setString(1, txt_search.getText());
    rs=pst.executeQuery();
    if(rs.next()){
        String add1=rs.getString("ID");
        txt_id.setText(add1);
        String add2=rs.getString("Name");
        txt_name.setText(add2);
        String add3=rs.getString("Work_Type");
        txt_work_type.setText(add3);
        String add4=rs.getString("Quantity");
        txt_quantity.setText(add4);
        String add5=rs.getString("Paper_Type");
        txt_choice_of_paper.setText(add5);
    }
}
catch(Exception e){
    JOptionPane.showMessageDialog(null, e);
}finally{
    try{

```

```

        rs.close();
        pst.close();
    }
    catch(Exception e){
    }
}

try{
    String sql= "select * from Printing_and_Photocopy where Paper_Type=?";
    pst=conn.prepareStatement(sql);
    pst.setString(1, txt_search.getText());
    rs=pst.executeQuery();
    if(rs.next()){
        String add1=rs.getString("ID");
        txt_id.setText(add1);
        String add2=rs.getString("Name");
        txt_name.setText(add2);
        String add3=rs.getString("Work_Type");
        txt_work_type.setText(add3);
        String add4=rs.getString("Quantity");
        txt_quantity.setText(add4);
        String add5=rs.getString("Paper_Type");
        txt_choice_of_paper.setText(add5);
    }
}
catch(Exception e){
    JOptionPane.showMessageDialog(null, e);
}finally{
    try{
        rs.close();
        pst.close();
    }
    catch(Exception e){
    }
}
}

private void Table_PnPKeyPressed(java.awt.event.KeyEvent evt) {
if(evt.getKeyCode()==KeyEvent.VK_DOWN || evt.getKeyCode()==KeyEvent.VK_UP){
    try{
        int row = Table_PnP.getSelectedRow();
        String Table_click= (Table_PnP.getModel().getValueAt(row, 0).toString());
        String sql ="select * from Printing_and_Photocopy where ID='"+Table_click+"'";
        pst=conn.prepareStatement(sql);
    }
}
}
}

```

```

rs=pst.executeQuery();
if(rs.next()){
String add1=rs.getString("ID");
txt_id.setText(add1);
String add2=rs.getString("Name");
txt_name.setText(add2);
String add3=rs.getString("Work_Type");
txt_work_type.setText(add3);
String add4=rs.getString("Quantity");
txt_quantity.setText(add4);
String add5=rs.getString("Paper_Type");
txt_choice_of_paper.setText(add5);
}
}
catch(Exception e){
JOptionPane.showMessageDialog(null, e);
} finally{
    try{
        rs.close();
        pst.close();
    }
    catch(Exception e){
    }
}
}
}

```

```

private void cmd_print1ActionPerformed(java.awt.event.ActionEvent evt) {
    MessageFormat header= new MessageFormat("Printing and Photocopy Report");
    MessageFormat footer= new MessageFormat("Page{0,number,integer}");
    try{
        Table_PnP.print(JTable.PrintMode.NORMAL, header, footer);
    }
    catch(java.awt.print.PrinterException e){
        System.err.format("Cannot print", e.getMessage());
    }
}

```

```

private void cmd_attachActionPerformed(java.awt.event.ActionEvent evt) {
    JFileChooser chooser= new JFileChooser();
    chooser.showOpenDialog(null);
    File f =chooser.getSelectedFile();
    String filename =f.getAbsolutePath();
    txt_filechooser.setText(filename);
}

```

```
}
```

```
private void cmd_generateActionPerformed(java.awt.event.ActionEvent evt) {  
    String Value1 = txt_id.getText();  
    String Value2 = txt_name.getText();  
    String Value3 = txt_work_type.getText();  
    String Value4 = txt_quantity.getText();  
    String Value5 = txt_choice_of_paper.getText();  
  
    Calendar cal= new GregorianCalendar();  
    int year = cal.get(Calendar.YEAR);  
    int month = cal.get(Calendar.MONTH);  
    int day = cal.get(Calendar.DAY_OF_MONTH);  
    System.out.println("Current date : "  
        + day + "/" + (month + 1) + "/" + year);  
  
    try{  
        Document document= new Document();  
        PdfWriter.getInstance(document, new FileOutputStream("Report.pdf"));  
        document.open();  
        com.itextpdf.text.Image image=com.itextpdf.text.Image.getInstance("logo.png");  
        document.add(image);  
        document.add(new Paragraph("Printing and Photocopy",  
FontFactory.getFont(FontFactory.TIMES_BOLD,24,Font.BOLD,BaseColor.BLACK)));  
        document.add(new Paragraph(new java.util.Date().toString()));  
        document.add(new Paragraph("-----  
-----"));  
        PdfPTable table=new PdfPTable(2);  
        PdfPCell cell= new PdfPCell(new Paragraph("Report"));  
        cell.setColspan(4);  
        cell.setHorizontalAlignment(Element.ALIGN_CENTER);  
        cell.setBackgroundColor(BaseColor.CYAN);  
        table.addCell(cell);  
        table.addCell("ID");  
        table.addCell(Value1);  
        table.addCell("Name");  
        table.addCell(Value2);  
        table.addCell("Work Type");  
        table.addCell(Value3);  
        table.addCell("Quantity");  
        table.addCell(Value4);  
        table.addCell("Paper Type");  
        table.addCell(Value5);  
        document.add(table);  
    }  
}
```

```

        document.close();
        JOptionPane.showMessageDialog(null, "Report created");
    } catch (Exception e) {
        JOptionPane.showMessageDialog(null, e);
    }
}

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

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

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

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

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

```

```

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

// Variables declaration - do not modify
private javax.swing.JTable Table_PnP;
private javax.swing.JButton back;
private javax.swing.JButton cmd_attach;
private javax.swing.JButton cmd_clear;
private javax.swing.JButton cmd_delete;
private javax.swing.JButton cmd_generate;
private javax.swing.JButton cmd_print;
private javax.swing.JButton cmd_print1;
private javax.swing.JButton cmd_save;
private javax.swing.JButton cmd_update;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JPanel jPanel3;
private javax.swing.JPanel jPanel4;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JTextField txt_choice_of_paper;
private javax.swing.JTextField txt_filechooser;
private javax.swing.JTextField txt_id;
private javax.swing.JTextField txt_name;
private javax.swing.JTextField txt_quantity;
private javax.swing.JTextField txt_search;
private javax.swing.JTextField txt_work_type;
// End of variables declaration
}

```

## Issuing History

```
import com.itextpdf.text.BaseColor;
```



```

import com.itextpdf.text.Document;
import com.itextpdf.text.Element;
import com.itextpdf.text.FontFactory;
import com.itextpdf.text.Paragraph;
import com.itextpdf.text.pdf.PdfPCell;
import com.itextpdf.text.pdf.PdfPTable;
import com.itextpdf.text.pdf.PdfWriter;
import java.util.Properties;
import javax.mail.Message;
import javax.mail.PasswordAuthentication;
import javax.mail.*;
import java.sql.*;
import javax.swing.*;
import net.proteanit.sql.DbUtils;
import java.awt.event.*;
import java.awt.*;
import java.text.*;
import java.io.File;
import java.io.FileOutputStream;
import java.util.Calendar;
import java.util.GregorianCalendar;
import javax.mail.internet.InternetAddress;
import javax.mail.internet.MimeMessage;
import org.jfree.data.category.DefaultCategoryDataset;
/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */

/**
 *
 * @author raqibmuktadir
 */
public class Issuing_History extends javax.swing.JFrame {
    Connection conn=null;
    ResultSet rs=null;
    PreparedStatement pst=null;
    /**
     * Creates new form Issuing_History
     */
    public Issuing_History() {
        initComponents();
        conn=javaconnect.ConnecrDb();
    }

```

```

        Update_table();
    }
    public void Update_table(){
        try{
            String sql= "select * from Issuing_History";
            pst=conn.prepareStatement(sql);
            rs=pst.executeQuery();
            Table_issuinghistory.setModel(DbUtils.resultSetToTableModel(rs));
        }
        catch(Exception e){
            JOptionPane.showMessageDialog(null, e);
        } finally{
            try{
                rs.close();
                pst.close();
            }
            catch(Exception e){
            }finally{
                try{
                    rs.close();
                    pst.close();
                }
                catch(Exception e){
                }
            }
        }
    }

}

public void close(){
    WindowEvent winClosingEvent = new WindowEvent(this,
WindowEvent.WINDOW_CLOSING);
    Toolkit.getDefaultToolkit().getSystemEventQueue().postEvent(winClosingEvent);
}
/**
 * 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() {

    jLabel7 = new javax.swing.JLabel();
    cmd_bargraph = new javax.swing.JButton();

```

```

jScrollPane1 = new javax.swing.JScrollPane();
Table_issuinghistory = new javax.swing.JTable();
jPanel1 = new javax.swing.JPanel();
jLabel1 = new javax.swing.JLabel();
jPanel2 = new javax.swing.JPanel();
txt_quantityissued = new javax.swing.JTextField();
jLabel3 = new javax.swing.JLabel();
jLabel5 = new javax.swing.JLabel();
txt_issueditem = new javax.swing.JTextField();
cmd_save = new javax.swing.JButton();
txt_name = new javax.swing.JTextField();
txt_id = new javax.swing.JTextField();
cmd_update = new javax.swing.JButton();
cmd_delete = new javax.swing.JButton();
jLabel4 = new javax.swing.JLabel();
jLabel2 = new javax.swing.JLabel();
jLabel6 = new javax.swing.JLabel();
txt_email = new javax.swing.JTextField();
back = new javax.swing.JButton();
cmd_clear = new javax.swing.JButton();
cmd_print1 = new javax.swing.JButton();
jPanel4 = new javax.swing.JPanel();
cmd_email = new javax.swing.JButton();
txt_sendmail = new javax.swing.JTextField();
jPanel3 = new javax.swing.JPanel();
txt_search = new javax.swing.JTextField();
jPanel7 = new javax.swing.JPanel();
cmd_attach3 = new javax.swing.JButton();
txt_filechooser = new javax.swing.JTextField();
cmd_report = new javax.swing.JButton();

jLabel7.setText("jLabel7");

cmd_bargraph.setText("Bar Graph");
cmd_bargraph.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        cmd_bargraphActionPerformed(evt);
    }
});

setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE_ON_CLOSE);

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

```

```

        {null, null, null, null},
        {null, null, null, null},
        {null, null, null, null},
        {null, null, null, null}
    },
    new String [] {
        "Title 1", "Title 2", "Title 3", "Title 4"
    }
));
Table_issuinghistory.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        Table_issuinghistoryMouseClicked(evt);
    }
});
Table_issuinghistory.addKeyListener(new java.awt.event.KeyAdapter() {
    public void keyPressed(java.awt.event.KeyEvent evt) {
        Table_issuinghistoryKeyPressed(evt);
    }
});
jScrollPane1.setViewportViewView(Table_issuinghistory);

jPanel1.setBackground(new java.awt.Color(204, 255, 255));

jLabel1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/uwc-logo.png"))); //
NOI18N

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
            .addGap(590, 590, 590)
            .addComponent(jLabel1)
            .addGap(590, 590, 590))
);
jPanel1Layout.setVerticalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jLabel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
);

jPanel2.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Issuing History",
javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION,

```

```
javax.swing.border.TitledBorder.DEFAULT_POSITION, new java.awt.Font("Lucida Grande", 1, 18)); // NOI18N
```

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

```
jLabel3.setText("Name");
```

```
jLabel5.setText("Quantity Issued");
```

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

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

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

```
cmd_update.setText("Update");  
cmd_update.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        cmd_updateActionPerformed(evt);  
    }  
});
```

```
cmd_delete.setText("Delete");  
cmd_delete.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        cmd_deleteActionPerformed(evt);  
    }  
}
```

```

});

jLabel4.setText("Issued Item");

jLabel2.setText("ID");

jLabel6.setText("Email");

back.setText("Back to Main Menu");
back.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        backActionPerformed(evt);
    }
});

cmd_clear.setText("Clear");
cmd_clear.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        cmd_clearActionPerformed(evt);
    }
});

cmd_print1.setText("Print");
cmd_print1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        cmd_print1ActionPerformed(evt);
    }
});

jPanel4.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Send Email",
javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION,
javax.swing.border.TitledBorder.DEFAULT_POSITION, new java.awt.Font("Lucida Grande", 1,
18))); // NOI18N

cmd_email.setText("Send Email");
cmd_email.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        cmd_emailActionPerformed(evt);
    }
});

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

```

```

    }
    });

    javax.swing.GroupLayout jPanel4Layout = new javax.swing.GroupLayout(jPanel4);
    jPanel4.setLayout(jPanel4Layout);
    jPanel4Layout.setHorizontalGroup(
        jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel4Layout.createSequentialGroup()
                .addGap(10, 10, 10)
                .addComponent(txt_sendmail, javax.swing.GroupLayout.PREFERRED_SIZE, 203,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(cmd_email)
                .addGap(10, 10, 10))
    );
    jPanel4Layout.setVerticalGroup(
        jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel4Layout.createSequentialGroup()
                .addGap(10, 10, 10)
                .addComponent(cmd_email)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(txt_sendmail, javax.swing.GroupLayout.PREFERRED_SIZE,
                    javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(10, 10, 10))
    );

    jPanel3.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Search",
        javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION,
        javax.swing.border.TitledBorder.DEFAULT_POSITION, new java.awt.Font("Lucida Grande", 1,
        18))); // NOI18N

    txt_search.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            txt_searchActionPerformed(evt);
        }
    });
    txt_search.addKeyListener(new java.awt.event.KeyAdapter() {
        public void keyReleased(java.awt.event.KeyEvent evt) {
            txt_searchKeyReleased(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(txt_search, javax.swing.GroupLayout.PREFERRED_SIZE, 312,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addContainerGap())
        );
jPanel3Layout.setVerticalGroup(
    jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel3Layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(txt_search, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addContainerGap())
        );

jPanel7.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "File Chooser",
javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION,
javax.swing.border.TitledBorder.DEFAULT_POSITION, new java.awt.Font("Lucida Grande", 1,
18))); // NOI18N

```

```

cmd_attach3.setText("Attach");
cmd_attach3.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        cmd_attach3ActionPerformed(evt);
    }
});

```

```

javax.swing.GroupLayout jPanel7Layout = new javax.swing.GroupLayout(jPanel7);
jPanel7.setLayout(jPanel7Layout);
jPanel7Layout.setHorizontalGroup(
    jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel7Layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(txt_filechooser, javax.swing.GroupLayout.PREFERRED_SIZE, 241,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(cmd_attach3)
            .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        );
jPanel7Layout.setVerticalGroup(
    jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

```



[illegible]

```

        .addComponent(jLabel3)
        .addComponent(jLabel4)
        .addComponent(jLabel5))
        .addGap(25, 25, 25)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING,
false)
        .addComponent(txt_id, javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.DEFAULT_SIZE, 428, Short.MAX_VALUE)
        .addComponent(txt_name, javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(txt_issueditem, javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(txt_quantityissued,
javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(txt_email)))
.addGroup(jPanel2Layout.createSequentialGroup()
        .addComponent(cmd_update)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(back)
        .addGap(18, 18, 18)
        .addComponent(cmd_save)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
        .addComponent(cmd_clear)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
        .addComponent(cmd_print1)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
        .addComponent(cmd_delete)))
.addGap(0, 0, 0)
);
jPanel2Layout.setVerticalGroup(
jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(jPanel2Layout.createSequentialGroup()
.addContainerGap()

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel2)
        .addComponent(txt_id, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(20, 20, 20)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel3)
        .addComponent(txt_name, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(20, 20, 20)

```

```

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jLabel4)
    .addComponent(txt_issueditem, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(20, 20, 20)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jLabel5)
    .addComponent(txt_quantityissued, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(20, 20, 20)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jLabel6)
    .addComponent(txt_email, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(cmd_update)
    .addComponent(cmd_save)
    .addComponent(cmd_delete)
    .addComponent(back)
    .addComponent(cmd_clear)
    .addComponent(cmd_print1))
    .addGap(33, 33, 33))
.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup()
    .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
    .addComponent(jPanel7, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
    .addGap(18, 18, 18)
    .addComponent(jPanel4, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
    .addGap(28, 28, 28)
    .addComponent(cmd_report)
    .addContainerGap())
);

```

```

        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)
                .addGroup(layout.createSequentialGroup()
                    .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
                        javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                    .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
                        javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addContainerGap())
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(layout.createSequentialGroup()
                    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING,
                        layout.createSequentialGroup()
                            .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
                                javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                .addGroup(layout.createSequentialGroup()
                                    .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
                                        javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                                    .addContainerGap())
                                .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
                                    layout.createSequentialGroup()
                                        .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
                                            javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))))
                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
                        javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                    .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
                        javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))))
        );

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

```

```

private void Table_issuinghistoryMouseClicked(java.awt.event.MouseEvent evt) {
    try{
        int row = Table_issuinghistory.getSelectedRow();
        String Table_click= (Table_issuinghistory.getModel().getValueAt(row, 0).toString());
        String sql ="select * from Issuing_History where ID='"+Table_click+"'";
        pst=conn.prepareStatement(sql);
        rs=pst.executeQuery();
        if(rs.next()){

```

```

        String add1=rs.getString("ID");
        txt_id.setText(add1);
        String add2=rs.getString("Name");
        txt_name.setText(add2);
        String add3=rs.getString("Issued_Item");
        txt_issueditem.setText(add3);
        String add4=rs.getString("Quantity_Issued");
        txt_quantityissued.setText(add4);
        String add5=rs.getString("Email");
        txt_email.setText(add5);
        txt_sendmail.setText(add5);
    }
}
catch(Exception e){
    JOptionPane.showMessageDialog(null, e);
} finally{
    try{
        rs.close();
        pst.close();
    }
    catch(Exception e){
    }
} // TODO add your handling code here:
}

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

private void cmd_updateActionPerformed(java.awt.event.ActionEvent evt) {
    try{
        String value1 = txt_id.getText();
        String value2 = txt_name.getText();
        String value3 = txt_issueditem.getText();
        String value4 = txt_quantityissued.getText();
        String value5 = txt_email.getText();
        String sql= "update Issuing_History set ID='"+value1+"' ,Name='"+value2+"'
,Issued_Item='"+value3+"' ,Quantity_Issued='"+value4+"' ,Email='"+value5+"' where
ID='"+value1+"'";
        pst=conn.prepareStatement(sql);
        pst.execute();
        JOptionPane.showMessageDialog(null, "Updated");
    }
    catch(Exception e){

```

```

        JOptionPane.showMessageDialog(null, e);
    }
    Update_table();
}

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

private void cmd_saveActionPerformed(java.awt.event.ActionEvent evt) {
    try{
        String sql= "Insert into Issuing_History (ID,Name,Issued_Item,Quantity_Issued,Email)
values (?, ?, ?, ?, ?)";
        pst=conn.prepareStatement(sql);
        pst.setString(1, txt_id.getText());
        pst.setString(2, txt_name.getText());
        pst.setString(3, txt_issueditem.getText());
        pst.setString(4, txt_quantityissued.getText());
        pst.setString(5, txt_email.getText());
        pst.execute();
        JOptionPane.showMessageDialog(null, "Saved");
    }
    catch(Exception e){
        JOptionPane.showMessageDialog(null, e);
    }
    Update_table();    // TODO add your handling code here:
}

private void cmd_deleteActionPerformed(java.awt.event.ActionEvent evt) {
    String sql= "delete from Issuing_History where ID=?";
    try{
        pst=conn.prepareStatement(sql);
        pst.setString(1, txt_id.getText());
        pst.execute();
        JOptionPane.showMessageDialog(null, "Deleted");
    }
    catch(Exception e){
        JOptionPane.showMessageDialog(null, e);
    }
    Update_table();    // TODO add your handling code here:
}

```

```

private void cmd_clearActionPerformed(java.awt.event.ActionEvent evt) {
txt_id.setText("");
txt_name.setText("");
txt_issueditem.setText("");
txt_quantityissued.setText("");
txt_email.setText("");
}

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

private void txt_searchKeyReleased(java.awt.event.KeyEvent evt) {
    try{
        String sql= "select * from Issuing_History where Name=?";
        pst=conn.prepareStatement(sql);
        pst.setString(1, txt_search.getText());
        rs=pst.executeQuery();
        if(rs.next()){
            String add1=rs.getString("ID");
            txt_id.setText(add1);
            String add2=rs.getString("Name");
            txt_name.setText(add2);
            String add3=rs.getString("Issued_Item");
            txt_issueditem.setText(add3);
            String add4=rs.getString("Quantity_Issued");
            txt_quantityissued.setText(add4);
            String add5=rs.getString("Email");
            txt_email.setText(add5);
        }
    }
    catch(Exception e){
        JOptionPane.showMessageDialog(null, e);
    }finally{
        try{
            rs.close();
            pst.close();
        }
        catch(Exception e){
        }
    }

    try{
        String sql= "select * from Issuing_History where ID=?";

```

```

pst=conn.prepareStatement(sql);
pst.setString(1, txt_search.getText());
rs=pst.executeQuery();
if(rs.next()){
    String add1=rs.getString("ID");
    txt_id.setText(add1);
    String add2=rs.getString("Name");
    txt_name.setText(add2);
    String add3=rs.getString("Issued_Item");
    txt_issueditem.setText(add3);
    String add4=rs.getString("Quantity_Issued");
    txt_quantityissued.setText(add4);
    String add5=rs.getString("Email");
    txt_email.setText(add5);
}
}
catch(Exception e){
    JOptionPane.showMessageDialog(null, e);
}finally{
    try{
        rs.close();
        pst.close();
    }
    catch(Exception e){
    }
}

try{
    String sql= "select * from Issuing_History where Issued_Item=?";
    pst=conn.prepareStatement(sql);
    pst.setString(1, txt_search.getText());
    rs=pst.executeQuery();
    if(rs.next()){
        String add1=rs.getString("ID");
        txt_id.setText(add1);
        String add2=rs.getString("Name");
        txt_name.setText(add2);
        String add3=rs.getString("Issued_Item");
        txt_issueditem.setText(add3);
        String add4=rs.getString("Quantity_Issued");
        txt_quantityissued.setText(add4);
        String add5=rs.getString("Email");
        txt_email.setText(add5);
    }
}

```



```

    }
    catch(Exception e){
        JOptionPane.showMessageDialog(null, e);
    }finally{
        try{
            rs.close();
            pst.close();
        }
        catch(Exception e){
        }
    }

    try{
        String sql= "select * from Issuing_History where Quantity_Issued=?";
        pst=conn.prepareStatement(sql);
        pst.setString(1, txt_search.getText());
        rs=pst.executeQuery();
        if(rs.next()){
            String add1=rs.getString("ID");
            txt_id.setText(add1);
            String add2=rs.getString("Name");
            txt_name.setText(add2);
            String add3=rs.getString("Issued_Item");
            txt_issueditem.setText(add3);
            String add4=rs.getString("Quantity_Issued");
            txt_quantityissued.setText(add4);
            String add5=rs.getString("Email");
            txt_email.setText(add5);
        }
    }
    catch(Exception e){
        JOptionPane.showMessageDialog(null, e);
    }finally{
        try{
            rs.close();
            pst.close();
        }
        catch(Exception e){
        }
    }

    try{
        String sql= "select * from Issuing_History where Email=?";
        pst=conn.prepareStatement(sql);

```

```

        pst.setString(1, txt_search.getText());
        rs=pst.executeQuery();
        if(rs.next()){
            String add1=rs.getString("ID");
            txt_id.setText(add1);
            String add2=rs.getString("Name");
            txt_name.setText(add2);
            String add3=rs.getString("Issued_Item");
            txt_issueditem.setText(add3);
            String add4=rs.getString("Quantity_Issued");
            txt_quantityissued.setText(add4);
            String add5=rs.getString("Email");
            txt_email.setText(add5);
        }
    }
    catch(Exception e){
        JOptionPane.showMessageDialog(null, e);
    }finally{
        try{
            rs.close();
            pst.close();
        }
        catch(Exception e){
        }
    }
}

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

private void Table_issuinghistoryKeyPressed(java.awt.event.KeyEvent evt) {
    if(evt.getKeyCode()==KeyEvent.VK_DOWN || evt.getKeyCode()==KeyEvent.VK_UP){
        try{
            int row = Table_issuinghistory.getSelectedRow();
            String Table_click= (Table_issuinghistory.getModel().getValueAt(row, 0).toString());
            String sql ="select * from Issuing_History where ID='"+Table_click+"'";
            pst=conn.prepareStatement(sql);
            rs=pst.executeQuery();
            if(rs.next()){
                String add1=rs.getString("ID");
                txt_id.setText(add1);
                String add2=rs.getString("Name");
                txt_name.setText(add2);
            }
        }
    }
}

```

```

        String add3=rs.getString("Issued_Item");
        txt_issueditem.setText(add3);
        String add4=rs.getString("Quantity_Issued");
        txt_quantityissued.setText(add4);
        String add5=rs.getString("Email");
        txt_email.setText(add5);

    }
}
catch(Exception e){
    JOptionPane.showMessageDialog(null, e);
} finally{
    try{
        rs.close();
        pst.close();
    }
    catch(Exception e){
    }
}
}
}

private void cmd_print1ActionPerformed(java.awt.event.ActionEvent evt) {
    MessageFormat header= new MessageFormat("Issuing History Report");
    MessageFormat footer= new MessageFormat("Page{0,number,integer}");
    try{
        Table_issuinghistory.print(JTable.PrintMode.NORMAL, header, footer);
    }
    catch(java.awt.print.PrinterException e){
        System.err.format("Cannot print", e.getMessage());
    }
}

private void cmd_attach3ActionPerformed(java.awt.event.ActionEvent evt) {
    JFileChooser chooser= new JFileChooser();
    chooser.showOpenDialog(null);
    File f =chooser.getSelectedFile();
    String filename =f.getAbsolutePath();
    txt_filechooser.setText(filename);
}

private void cmd_bargraphActionPerformed(java.awt.event.ActionEvent evt) {
//    String Name =txt_name.getText();
//    String Issueditem =txt_issueditem.getText();

```

```

//    String Quantity =txt_quantityissued.getText();
//
//
//    DefaultCategoryDataset dataset= new DefaultCategoryDataset();
//    //dataset.setValue(new Double(Name), "Values", "Name");
//    //dataset.setValue(new Double(Issueditem), "Values", "Issued Item");
//    dataset.setValue(new Double(Quantity), "Values", "Quantity Issued");
//
//    JFreeChart chart =ChartFactory.createBarChart("Parameter Values", "Parameters",
"Values", dataset, PlotOrientation.VERTICAL, false, true, false);
//    chart.setBackgroundPaint(Color.DARK_GRAY);
//    chart.getTitle().setPaint(Color.RED);
//    CategoryPlot p=chart.getCategoryPlot();
//    p.setRangeGridlinePaint(Color.BLACK);
//    ChartFrame frame=new ChartFrame("Bar Chart for Parameters", chart);
//    frame.setVisible(true);
//    frame.setSize(450,350);
}

```

```

private void cmd_emailActionPerformed(java.awt.event.ActionEvent evt) {
    String To= txt_sendmail.getText();

```

```

    Properties props= new Properties();
    props.put("mail.smtp.host", "smtp.gmail.com");
    props.put("mail.smtp.socketFactory.port", "465");
    props.put("mail.smtp.socketFactory.class", "javax.net.ssl.SSLSocketFactory");
    props.put("mail.smtp.auth", "true");
    props.put("mail.smtp.port", "465");

```

```

    Session session =Session.getDefaultInstance(props,
        new javax.mail.Authenticator() {
            protected PasswordAuthentication getPasswordAuthentication(){
                return new PasswordAuthentication("raqibm@muwci.net", "Playstationvita1");
            }
        }
    );

```

```

try{
    Message message=new MimeMessage(session);
    message.setFrom(new InternetAddress("raqibm@muwci.net"));
    message.setRecipients(Message.RecipientType.TO, InternetAddress.parse(To));
    message.setSubject("Item Issued from Reprographics");
    message.setText("You have issued an item from Reprographics");
    Transport.send(message);
    JOptionPane.showMessageDialog(null, "Message Sent");
}

```

```

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

private void cmd_reportActionPerformed(java.awt.event.ActionEvent evt) {
    String Value1 = txt_id.getText();
    String Value2 = txt_name.getText();
    String Value3 = txt_issueditem.getText();
    String Value4 = txt_quantityissued.getText();
    String Value5 = txt_email.getText();

    Calendar cal= new GregorianCalendar();
    int year = cal.get(Calendar.YEAR);
    int month = cal.get(Calendar.MONTH);
    int day = cal.get(Calendar.DAY_OF_MONTH);
    System.out.println("Current date : "
        + day + "/" + (month + 1) + "/" + year);

    try{
        Document document= new Document();
        PdfWriter.getInstance(document, new FileOutputStream("Report.pdf"));
        document.open();
        com.itextpdf.text.Image image=com.itextpdf.text.Image.getInstance("logo.png");
        document.add(image);
        document.add(new Paragraph("Issuing History",
FontFactory.getFont(FontFactory.TIMES_BOLD,24,Font.BOLD,BaseColor.BLACK)));
        document.add(new Paragraph(new java.util.Date().toString()));
        document.add(new Paragraph("-----
-----"));
        PdfPTable table=new PdfPTable(2);
        PdfPCell cell= new PdfPCell(new Paragraph("Report"));
        cell.setColspan(4);
        cell.setHorizontalAlignment(Element.ALIGN_CENTER);
        cell.setBackgroundColor(BaseColor.CYAN);
        table.addCell(cell);
        table.addCell("ID");
        table.addCell(Value1);
        table.addCell("Name");
        table.addCell(Value2);
        table.addCell("Issued Item");
        table.addCell(Value3);
        table.addCell("Quantity Issued");
        table.addCell(Value4);

```

```

        table.addCell("Email");
        table.addCell(Value5);
        document.add(table);
        document.close();
        JOptionPane.showMessageDialog(null, "Report created");
    } catch (Exception e) {
        JOptionPane.showMessageDialog(null, e);
    } // TODO add your handling code here:
}

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

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

```

```

    } catch (IllegalAccessException ex) {

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

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

// Variables declaration - do not modify
private javax.swing.JTable Table_issuinghistory;
private javax.swing.JButton back;
private javax.swing.JButton cmd_attach3;
private javax.swing.JButton cmd_bargraph;
private javax.swing.JButton cmd_clear;
private javax.swing.JButton cmd_delete;
private javax.swing.JButton cmd_email;
private javax.swing.JButton cmd_print1;
private javax.swing.JButton cmd_report;
private javax.swing.JButton cmd_save;
private javax.swing.JButton cmd_update;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JPanel jPanel3;
private javax.swing.JPanel jPanel4;
private javax.swing.JPanel jPanel7;
private javax.swing.JScrollPane jScrollPane1;

```

```

private javax.swing.JTextField txt_email;
private javax.swing.JTextField txt_filechooser;
private javax.swing.JTextField txt_id;
private javax.swing.JTextField txt_issueditem;
private javax.swing.JTextField txt_name;
private javax.swing.JTextField txt_quantityissued;
private javax.swing.JTextField txt_search;
private javax.swing.JTextField txt_sendmail;
// End of variables declaration
}

```

## User Details

```

import java.awt.event.*;
import java.awt.*;
import java.sql.*;
import javax.swing.*;
import net.proteanit.sql.DbUtils;
import java.text.*;
import java.io.File;

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

/**
 *
 * @author raqibmuktadir
 */
public class UserDetails extends javax.swing.JFrame {
    Connection conn=null;
    ResultSet rs=null;
    PreparedStatement pst=null;
    /**
     * Creates new form UserDetails
     */
    public UserDetails() {
        initComponents();
        conn=javaconnect.ConnecrDb();
        Update_table();
    }

```



```

    }
    public void Update_table(){
        try{
            String sql= "select * from UserDetails";
            pst=conn.prepareStatement(sql);
            rs=pst.executeQuery();
            Table_UserDetails.setModel(DbUtils.resultSetToTableModel(rs));
        }
        catch(Exception e){
            JOptionPane.showMessageDialog(null, e);
        } finally{
            try{
                rs.close();
                pst.close();
            }
            catch(Exception e){
            }
        }
    }
}

public void close(){
    WindowEvent winClosingEvent = new WindowEvent(this,
WindowEvent.WINDOW_CLOSING);
    Toolkit.getDefaultToolkit().getSystemEventQueue().postEvent(winClosingEvent);
}

/**
 * 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() {

    jPanel4 = new javax.swing.JPanel();
    cmd_attach = new javax.swing.JButton();
    txt_filechooser = new javax.swing.JTextField();
    jScrollPane1 = new javax.swing.JScrollPane();
    Table_UserDetails = new javax.swing.JTable();
    jPanel2 = new javax.swing.JPanel();
    jLabel4 = new javax.swing.JLabel();
    txt_id = new javax.swing.JTextField();
    jLabel5 = new javax.swing.JLabel();
    txt_username = new javax.swing.JTextField();

```

```

cmd_delete = new javax.swing.JButton();
txt_password = new javax.swing.JTextField();
txt_adminornot = new javax.swing.JTextField();
cmd_save = new javax.swing.JButton();
cmd_update = new javax.swing.JButton();
jLabel2 = new javax.swing.JLabel();
jLabel3 = new javax.swing.JLabel();
back = new javax.swing.JButton();
cmd_clear = new javax.swing.JButton();
cmd_print = new javax.swing.JButton();
jLabel6 = new javax.swing.JLabel();
txt_name = new javax.swing.JTextField();
jPanel3 = new javax.swing.JPanel();
txt_search = new javax.swing.JTextField();
jPanel1 = new javax.swing.JPanel();
jLabel1 = new javax.swing.JLabel();

```

```

setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE_ON_CLOSE);

```

```

jPanel4.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "File Chooser",
javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION,
javax.swing.border.TitledBorder.DEFAULT_POSITION, new java.awt.Font("Lucida Grande", 1,
18))); // NOI18N

```

```

cmd_attach.setText("Attach");
cmd_attach.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        cmd_attachActionPerformed(evt);
    }
});

```

```

javax.swing.GroupLayout jPanel4Layout = new javax.swing.GroupLayout(jPanel4);
jPanel4.setLayout(jPanel4Layout);
jPanel4Layout.setHorizontalGroup(
    jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel4Layout.createSequentialGroup()
            .addComponent(txt_filechooser, javax.swing.GroupLayout.PREFERRED_SIZE, 241,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(cmd_attach)
            .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        );
jPanel4Layout.setVerticalGroup(

```

```

jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(jPanel4Layout.createSequentialGroup()
.addContainerGap()

.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
.addComponent(txt_filechooser, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(cmd_attach))
.addContainerGap())
);

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

        },
        new String [] {
            "Product ID", "Item Name", "Type of Item", "Units in Inventory"
        }
    ));
Table_UserDetails.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        Table_UserDetailsMouseClicked(evt);
    }
});
Table_UserDetails.addKeyListener(new java.awt.event.KeyAdapter() {
    public void keyPressed(java.awt.event.KeyEvent evt) {
        Table_UserDetailsKeyPressed(evt);
    }
});
jScrollPane1.setViewportViewView(Table_UserDetails);

jPanel2.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "User Details",
javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION,
javax.swing.border.TitledBorder.DEFAULT_POSITION, new java.awt.Font("Lucida Grande", 1,
18))); // NOI18N

jLabel4.setText("Password");

jLabel5.setText("Admin or Not");

cmd_delete.setText("Delete");
cmd_delete.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        cmd_deleteActionPerformed(evt);
    }
});

```

```

    }
});

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

cmd_update.setText("Update");
cmd_update.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        cmd_updateActionPerformed(evt);
    }
});

jLabel2.setText("ID");

jLabel3.setText("Username");

back.setText("Back to Main Menu");
back.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        backActionPerformed(evt);
    }
});

cmd_clear.setText("Clear");
cmd_clear.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        cmd_clearActionPerformed(evt);
    }
});

cmd_print.setText("Print");
cmd_print.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        cmd_printActionPerformed(evt);
    }
});

jLabel6.setText("Name");

```

[illegible]

```

jPanel2Layout.setVerticalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addContainerGap()

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jLabel2)
    .addComponent(txt_id, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(20, 20, 20)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(txt_username, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel3))
    .addGap(21, 21, 21)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
false)
    .addComponent(txt_password)
    .addComponent(jLabel4, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
    .addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(txt_adminornot, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel5))
    .addGap(20, 20, 20)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(txt_name, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel6))
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 30,
Short.MAX_VALUE)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(cmd_update)
    .addComponent(cmd_delete)
    .addComponent(cmd_save)
    .addComponent(cmd_clear))
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

```

```

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(back)
    .addComponent(cmd_print)))
);

jPanel3.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Search",
javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION,
javax.swing.border.TitledBorder.DEFAULT_POSITION, new java.awt.Font("Lucida Grande", 1,
18))); // NOI18N

txt_search.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        txt_searchActionPerformed(evt);
    }
});
txt_search.addKeyListener(new java.awt.event.KeyAdapter() {
    public void keyReleased(java.awt.event.KeyEvent evt) {
        txt_searchKeyReleased(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(15, 15, 15)
            .addComponent(txt_search, javax.swing.GroupLayout.PREFERRED_SIZE, 312,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(15, 15, 15))
);
jPanel3Layout.setVerticalGroup(
    jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel3Layout.createSequentialGroup()
            .addGap(15, 15, 15)
            .addComponent(txt_search, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(15, 15, 15))
);

jPanel1.setBackground(new java.awt.Color(204, 255, 255));

```





```

);
layout.setVerticalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
            .addGap(0, 0, Short.MAX_VALUE)
            .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(layout.createSequentialGroup()
                    .addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                    .addComponent(jPanel4, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)))
        );

```

```

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

```

```

private void cmd_attachActionPerformed(java.awt.event.ActionEvent evt) {
    JFileChooser chooser= new JFileChooser();
    chooser.showOpenDialog(null);
    File f =chooser.getSelectedFile();
    String filename =f.getAbsolutePath();
    txt_filechooser.setText(filename);
}

```

```

private void Table_UserDetailsMouseClicked(java.awt.event.MouseEvent evt) {
    try{
        int row = Table_UserDetails.getSelectedRow();
        String Table_click= (Table_UserDetails.getModel().getValueAt(row, 0).toString());
        String sql ="select * from UserDetails where Id='"+Table_click+"'";
        pst=conn.prepareStatement(sql);
        rs=pst.executeQuery();
        if(rs.next()){
            String add1=rs.getString("Id");
            txt_id.setText(add1);
            String add2=rs.getString("Username");

```

```

        txt_username.setText(add2);
        String add3=rs.getString("Password");
        txt_password.setText(add3);
        String add4=rs.getString("admin_or_not");
        txt_adminornot.setText(add4);
        String add5=rs.getString("Name");
        txt_name.setText(add5);
    }
}
catch(Exception e){
    JOptionPane.showMessageDialog(null, e);
} finally{
    try{
        rs.close();
        pst.close();
    }
    catch(Exception e){
    }
}
}

private void Table_UserDetailsKeyPressed(java.awt.event.KeyEvent evt) {
    if(evt.getKeyCode()==KeyEvent.VK_DOWN || evt.getKeyCode()==KeyEvent.VK_UP){
        try{
            int row = Table_UserDetails.getSelectedRow();
            String Table_click= (Table_UserDetails.getModel().getValueAt(row, 0).toString());
            String sql ="select * from UserDetails where Id='"+Table_click+"'";
            pst=conn.prepareStatement(sql);
            rs=pst.executeQuery();
            if(rs.next()){
                String add1=rs.getString("Id");
                txt_id.setText(add1);
                String add2=rs.getString("Username");
                txt_username.setText(add2);
                String add3=rs.getString("Password");
                txt_password.setText(add3);
                String add4=rs.getString("admin_or_not");
                txt_adminornot.setText(add4);
                String add5=rs.getString("Name");
                txt_name.setText(add5);

            }
        }
        catch(Exception e){

```

```

        JOptionPane.showMessageDialog(null, e);
    } finally{
        try{
            rs.close();
            pst.close();
        }
        catch(Exception e){
        }
    }
}
}

```

```

private void cmd_deleteActionPerformed(java.awt.event.ActionEvent evt) {
    String sql= "delete from UserDetails where Id=?";
    try{
        pst=conn.prepareStatement(sql);
        pst.setString(1, txt_id.getText());
        pst.execute();
        JOptionPane.showMessageDialog(null, "Deleted");
    }
    catch(Exception e){
        JOptionPane.showMessageDialog(null, e);
    }
    Update_table();
}

```

```

private void cmd_saveActionPerformed(java.awt.event.ActionEvent evt) {
    try{
        String sql= "Insert into UserDetails (Id,Username>Password,admin_or_not,Name) values
(?,?,?,?,?)";
        pst=conn.prepareStatement(sql);
        pst.setString(1, txt_id.getText());
        pst.setString(2, txt_username.getText());
        pst.setString(3, txt_password.getText());
        pst.setString(4, txt_adminornot.getText());
        pst.setString(5, txt_name.getText());
        pst.execute();
        JOptionPane.showMessageDialog(null, "Saved");
    }
    catch(Exception e){
        JOptionPane.showMessageDialog(null, e);
    }
    Update_table();
}

```

```

private void cmd_updateActionPerformed(java.awt.event.ActionEvent evt) {
    try{
        String value1 = txt_id.getText();
        String value2 = txt_username.getText();
        String value3 = txt_password.getText();
        String value4 = txt_adminornot.getText();
        String value5 = txt_name.getText();
        String sql= "update UserDetails set Id='"+value1+"' ,Username='"+value2+"'
,Password='"+value3+"' ,admin_or_not='"+value4+"' , Name='"+value5+"' where
Id='"+value1+"'";
        pst=conn.prepareStatement(sql);
        pst.execute();
        JOptionPane.showMessageDialog(null, "Updated");
    }
    catch(Exception e){
        JOptionPane.showMessageDialog(null, e);
    }
    Update_table();
}

```

```

private void backActionPerformed(java.awt.event.ActionEvent evt) {
    Reprographicsdata a =new Reprographicsdata();
    a.setVisible(true);
    close();
}

```

```

private void cmd_clearActionPerformed(java.awt.event.ActionEvent evt) {
    txt_id.setText("");
    txt_username.setText("");
    txt_password.setText("");
    txt_adminornot.setText("");
    txt_name.setText("");
}

```

```

private void cmd_printActionPerformed(java.awt.event.ActionEvent evt) {
    MessageFormat header= new MessageFormat("User Details Report");
    MessageFormat footer= new MessageFormat("Page{0,number,integer}");
    try{
        Table_UserDetails.print(JTable.PrintMode.NORMAL, header, footer);
    }
    catch(java.awt.print.PrinterException e){
        System.err.format("Cannot print" , e.getMessage());
    }
}

```

```
}
```

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

```
private void txt_searchKeyReleased(java.awt.event.KeyEvent evt) {  
    try{  
        String sql= "select * from UserDetails where Name=?";  
        pst=conn.prepareStatement(sql);  
        pst.setString(1, txt_search.getText());  
        rs=pst.executeQuery();  
        if(rs.next()){  
            String add1=rs.getString("Id");  
            txt_id.setText(add1);  
            String add2=rs.getString("Username");  
            txt_username.setText(add2);  
            String add3=rs.getString("Password");  
            txt_password.setText(add3);  
            String add4=rs.getString("admin_or_not");  
            txt_adminornot.setText(add4);  
            String add5=rs.getString("Name");  
            txt_name.setText(add5);  
        }  
    }  
    catch(Exception e){  
        JOptionPane.showMessageDialog(null, e);  
    }finally{  
        try{  
            rs.close();  
            pst.close();  
        }  
        catch(Exception e){  
        }  
    }  
}
```

```
try{  
    String sql= "select * from UserDetails where Id=?";  
    pst=conn.prepareStatement(sql);  
    pst.setString(1, txt_search.getText());  
    rs=pst.executeQuery();  
    if(rs.next()){  
        String add1=rs.getString("Id");  
        txt_id.setText(add1);  
    }  
}
```

```

        String add2=rs.getString("Username");
        txt_username.setText(add2);
        String add3=rs.getString("Password");
        txt_password.setText(add3);
        String add4=rs.getString("admin_or_not");
        txt_adminornot.setText(add4);
        String add5=rs.getString("Name");
        txt_name.setText(add5);
    }
}
catch(Exception e){
    JOptionPane.showMessageDialog(null, e);
}finally{
    try{
        rs.close();
        pst.close();
    }
    catch(Exception e){
    }
}

try{
    String sql= "select * from UserDetails where Username=?";
    pst=conn.prepareStatement(sql);
    pst.setString(1, txt_search.getText());
    rs=pst.executeQuery();
    if(rs.next()){
        String add1=rs.getString("Id");
        txt_id.setText(add1);
        String add2=rs.getString("Username");
        txt_username.setText(add2);
        String add3=rs.getString("Password");
        txt_password.setText(add3);
        String add4=rs.getString("admin_or_not");
        txt_adminornot.setText(add4);
        String add5=rs.getString("Name");
        txt_name.setText(add5);
    }
}
catch(Exception e){
    JOptionPane.showMessageDialog(null, e);
}finally{
    try{
        rs.close();
    }
}

```

```

        pst.close();
    }
    catch(Exception e){
    }
}

try{
    String sql= "select * from UserDetails where Password=?";
    pst=conn.prepareStatement(sql);
    pst.setString(1, txt_search.getText());
    rs=pst.executeQuery();
    if(rs.next()){
        String add1=rs.getString("Id");
        txt_id.setText(add1);
        String add2=rs.getString("Username");
        txt_username.setText(add2);
        String add3=rs.getString("Password");
        txt_password.setText(add3);
        String add4=rs.getString("admin_or_not");
        txt_adminornot.setText(add4);
        String add5=rs.getString("Name");
        txt_name.setText(add5);
    }
}
catch(Exception e){
    JOptionPane.showMessageDialog(null, e);
}finally{
    try{
        rs.close();
        pst.close();
    }
    catch(Exception e){
    }
}

try{
    String sql= "select * from UserDetails where admin_or_not=?";
    pst=conn.prepareStatement(sql);
    pst.setString(1, txt_search.getText());
    rs=pst.executeQuery();
    if(rs.next()){
        String add1=rs.getString("Id");
        txt_id.setText(add1);
        String add2=rs.getString("Username");

```

```

        txt_username.setText(add2);
        String add3=rs.getString("Password");
        txt_password.setText(add3);
        String add4=rs.getString("admin_or_not");
        txt_adminornot.setText(add4);
        String add5=rs.getString("Name");
        txt_name.setText(add5);
    }
}
catch(Exception e){
    JOptionPane.showMessageDialog(null, e);
}finally{
    try{
        rs.close();
        pst.close();
    }
    catch(Exception e){
    }
}
}

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

```



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

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

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

```
// Variables declaration - do not modify
private javax.swing.JTable Table_UserDetails;
private javax.swing.JButton back;
private javax.swing.JButton cmd_attach;
private javax.swing.JButton cmd_clear;
private javax.swing.JButton cmd_delete;
private javax.swing.JButton cmd_print;
private javax.swing.JButton cmd_save;
private javax.swing.JButton cmd_update;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JPanel jPanel3;
private javax.swing.JPanel jPanel4;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JTextField txt_adminornot;
private javax.swing.JTextField txt_filechooser;
```

```

private javax.swing.JTextField txt_id;
private javax.swing.JTextField txt_name;
private javax.swing.JTextField txt_password;
private javax.swing.JTextField txt_search;
private javax.swing.JTextField txt_username;
// End of variables declaration
}

```

## Courier

```

import com.itextpdf.text.BaseColor;
import com.itextpdf.text.Document;
import com.itextpdf.text.Element;
import com.itextpdf.text.FontFactory;
import com.itextpdf.text.Paragraph;
import com.itextpdf.text.pdf.PdfPCell;
import com.itextpdf.text.pdf.PdfPTable;
import com.itextpdf.text.pdf.PdfWriter;
import java.util.Properties;
import javax.mail.Message;
import javax.mail.PasswordAuthentication;
import javax.mail.*;
import java.sql.*;
import javax.swing.*;
import net.proteanit.sql.DbUtils;
import java.awt.event.*;
import java.awt.*;
import java.text.*;
import java.io.File;
import java.io.FileOutputStream;
import java.util.Calendar;
import java.util.GregorianCalendar;
import javax.mail.internet.InternetAddress;
import javax.mail.internet.MimeMessage;
/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
/**
 *
 * @author raqibmuktadir

```

```

*/
public class Courier extends javax.swing.JFrame {
    Connection conn=null;
    ResultSet rs=null;
    PreparedStatement pst=null;
    /**
     * Creates new form Courier
     */
    public Courier() {
        initComponents();
        conn=javaconnect.ConnecrDb();
        Update_table();
    }
    public void Update_table(){
        try{
            String sql= "select * from Courier";
            pst=conn.prepareStatement(sql);
            rs=pst.executeQuery();
            Table_courier.setModel(DbUtils.resultSetToTableModel(rs));
        }
        catch(Exception e){
            JOptionPane.showMessageDialog(null, e);
        } finally{
            try{
                rs.close();
                pst.close();
            }
            catch(Exception e){
            } finally{
                try{
                    rs.close();
                    pst.close();
                }
                catch(Exception e){
                }
            }
        }
    }

    }

    public void close(){
        WindowEvent winClosingEvent = new WindowEvent(this,
        WindowEvent.WINDOW_CLOSING);
        Toolkit.getDefaultToolkit().getSystemEventQueue().postEvent(winClosingEvent);
    }
}

```

```

/**
 * 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() {

    jLabel6 = new javax.swing.JLabel();
    txt_email = new javax.swing.JTextField();
    cmd_report = new javax.swing.JButton();
    jPanel3 = new javax.swing.JPanel();
    txt_search = new javax.swing.JTextField();
    jScrollPane1 = new javax.swing.JScrollPane();
    Table_courier = new javax.swing.JTable();
    jPanel1 = new javax.swing.JPanel();
    jLabel1 = new javax.swing.JLabel();
    jPanel7 = new javax.swing.JPanel();
    cmd_attach3 = new javax.swing.JButton();
    txt_filechooser = new javax.swing.JTextField();
    jPanel2 = new javax.swing.JPanel();
    txt_doa = new javax.swing.JTextField();
    jLabel3 = new javax.swing.JLabel();
    jLabel5 = new javax.swing.JLabel();
    txt_mail = new javax.swing.JTextField();
    cmd_save = new javax.swing.JButton();
    txt_from = new javax.swing.JTextField();
    txt_rname = new javax.swing.JTextField();
    cmd_update = new javax.swing.JButton();
    cmd_delete = new javax.swing.JButton();
    jLabel4 = new javax.swing.JLabel();
    jLabel2 = new javax.swing.JLabel();
    back = new javax.swing.JButton();
    cmd_clear = new javax.swing.JButton();
    cmd_print1 = new javax.swing.JButton();
    jPanel4 = new javax.swing.JPanel();
    cmd_email = new javax.swing.JButton();
    txt_sendmail = new javax.swing.JTextField();

    jLabel6.setText("Email");

    setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE_ON_CLOSE);

```

```

cmd_report.setText("Generate Report");
cmd_report.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        cmd_reportActionPerformed(evt);
    }
});

```

```

jPanel3.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Search",
javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION,
javax.swing.border.TitledBorder.DEFAULT_POSITION, new java.awt.Font("Lucida Grande", 1,
18))); // NOI18N

```

```

txt_search.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        txt_searchActionPerformed(evt);
    }
});
txt_search.addKeyListener(new java.awt.event.KeyAdapter() {
    public void keyReleased(java.awt.event.KeyEvent evt) {
        txt_searchKeyReleased(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(10, 10, 10)
            .addComponent(txt_search, javax.swing.GroupLayout.PREFERRED_SIZE, 312,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(10, 10, 10)
        )
);
jPanel3Layout.setVerticalGroup(
    jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel3Layout.createSequentialGroup()
            .addGap(10, 10, 10)
            .addComponent(txt_search, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(10, 10, 10)
        )
);

```

```

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

```

```

        {null, null, null, null},
        {null, null, null, null},
        {null, null, null, null},
        {null, null, null, null}
    },
    new String [] {
        "Title 1", "Title 2", "Title 3", "Title 4"
    }
});
Table_courier.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        Table_courierMouseClicked(evt);
    }
});
Table_courier.addKeyListener(new java.awt.event.KeyAdapter() {
    public void keyPressed(java.awt.event.KeyEvent evt) {
        Table_courierKeyPressed(evt);
    }
});
jScrollPane1.setViewportViewView(Table_courier);

jPanel1.setBackground(new java.awt.Color(204, 255, 255));

jLabel1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/uwc-logo.png"))); //
NOI18N

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(550, 550, 550)
            .addComponent(jLabel1)
            .addGap(550, 550, 550))
);
jPanel1Layout.setVerticalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addComponent(jLabel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
);

jPanel7.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "File Chooser",
javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION,

```

```
javax.swing.border.TitledBorder.DEFAULT_POSITION, new java.awt.Font("Lucida Grande", 1, 18))); // NOI18N
```

```
cmd_attach3.setText("Attach");  
cmd_attach3.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        cmd_attach3ActionPerformed(evt);  
    }  
});
```

```
javax.swing.GroupLayout jPanel7Layout = new javax.swing.GroupLayout(jPanel7);  
jPanel7.setLayout(jPanel7Layout);  
jPanel7Layout.setHorizontalGroup(  
    jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)  
        .addGroup(jPanel7Layout.createSequentialGroup()  
            .addContainerGap()  
            .addComponent(txt_filechooser, javax.swing.GroupLayout.PREFERRED_SIZE, 241, javax.swing.GroupLayout.PREFERRED_SIZE)  
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)  
            .addComponent(cmd_attach3)  
            .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))  
        );  
jPanel7Layout.setVerticalGroup(  
    jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)  
        .addGroup(jPanel7Layout.createSequentialGroup()  
            .addGroup(jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)  
                .addComponent(txt_filechooser, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)  
                .addComponent(cmd_attach3))  
            .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))  
        );  
  
jPanel2.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Courier", javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION, javax.swing.border.TitledBorder.DEFAULT_POSITION, new java.awt.Font("Lucida Grande", 1, 18))); // NOI18N
```

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

```
jLabel3.setText("Origin");
```

```
jLabel5.setText("Date of Arrival");
```

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

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

```
cmd_update.setText("Update");  
cmd_update.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        cmd_updateActionPerformed(evt);  
    }  
});
```

```
cmd_delete.setText("Delete");  
cmd_delete.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        cmd_deleteActionPerformed(evt);  
    }  
});
```

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

```
jLabel2.setText("Recipient Name");
```

```
back.setText("Back to Main Menu");  
back.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        backActionPerformed(evt);  
    }  
});
```

```
cmd_clear.setText("Clear");
```



```
cmd_clear.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        cmd_clearActionPerformed(evt);  
    }  
});  
  
cmd_print1.setText("Print");  
cmd_print1.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        cmd_print1ActionPerformed(evt);  
    }  
});  
  
javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);  
jPanel2.setLayout(jPanel2Layout);  
jPanel2Layout.setHorizontalGroup(  
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)  
        .addGroup(jPanel2Layout.createSequentialGroup()  
            .add(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)  
                .addGroup(jPanel2Layout.createSequentialGroup()  
                    .addGroup(jPanel2Layout.createSequentialGroup().addGap(10, 10, 10).addComponent(cmd_update))  
                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED).addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)  
                        .addComponent(back)  
                        .addGroup(jPanel2Layout.createSequentialGroup().addGap(18, 18, 18).addComponent(cmd_save))  
                        .addGroup(jPanel2Layout.createSequentialGroup().addGap(18, 18, 18).addComponent(cmd_clear))  
                        .addGroup(jPanel2Layout.createSequentialGroup().addGap(18, 18, 18).addComponent(cmd_print1))  
                        .addGroup(jPanel2Layout.createSequentialGroup().addGap(18, 18, 18).addComponent(cmd_delete))  
                    )  
                )  
            .addContainerGap())  
        .addGroup(jPanel2Layout.createSequentialGroup().addGap(10, 10, 10).addComponent(jLabel2)  
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED).addComponent(jLabel3)  
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED).addComponent(jLabel4)  
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED).addComponent(jLabel5)  
            .addGap(53, 53, 53))  
    );
```

```

        .addComponent(txt_doa)
        .addComponent(txt_mail)
        .addComponent(txt_from)
        .addComponent(txt_rname))))))
    );
    jPanel2Layout.setVerticalGroup(
        jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addContainerGap()

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(jLabel2)
            .addComponent(txt_rname, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(20, 20, 20)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(jLabel3)
            .addComponent(txt_from, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(20, 20, 20)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(jLabel4)
            .addComponent(txt_mail, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(20, 20, 20)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(jLabel5)
            .addComponent(txt_doa, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 66,
Short.MAX_VALUE)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(cmd_update)
            .addComponent(cmd_save)
            .addComponent(cmd_delete)
            .addComponent(back)
            .addComponent(cmd_clear)
            .addComponent(cmd_print1)))
    );

```

```
jPanel4.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Send Email",
javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION,
javax.swing.border.TitledBorder.DEFAULT_POSITION, new java.awt.Font("Lucida Grande", 1,
18))); // NOI18N
```

```
cmd_email.setText("Send Email");
cmd_email.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        cmd_emailActionPerformed(evt);
    }
});
```

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

```
javax.swing.GroupLayout jPanel4Layout = new javax.swing.GroupLayout(jPanel4);
jPanel4.setLayout(jPanel4Layout);
jPanel4Layout.setHorizontalGroup(
    jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel4Layout.createSequentialGroup()
            .addGap(10, 10, 10)
            .addComponent(txt_sendmail)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(cmd_email)
            .addGap(10, 10, 10)
        )
);
jPanel4Layout.setVerticalGroup(
    jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel4Layout.createSequentialGroup()
            .addGap(10, 10, 10)
            .addComponent(txt_sendmail, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(cmd_email)
            .addGap(10, 10, 10)
        )
);
```

```
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)
            .addGroup(layout.createSequentialGroup())
                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(layout.createSequentialGroup())
                        .addGap(17, 17, 17)

                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jPanel7, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(cmd_report))
                    .addGap(20, 20, 20))
                .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
                    .addContainerGap()
                    .addComponent(jPanel4, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)))
                .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE, 633,
Short.MAX_VALUE)
                .addGap(20, 20, 20)
                .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
                    .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                        .addGroup(layout.createSequentialGroup())
                            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                            .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
                        .addGroup(layout.createSequentialGroup())
                            .addGap(20, 20, 20)

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

```

```

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

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
        .addComponent(jPanel7, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(18, 18, 18)
        .addComponent(jPanel4, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(55, 55, 55)
        .addComponent(cmd_report))
        .addComponent(jPanel2, 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 cmd_reportActionPerformed(java.awt.event.ActionEvent evt) {
    String Value1 = txt_rname.getText();
    String Value2 = txt_from.getText();
    String Value3 = txt_mail.getText();
    String Value4 = txt_doa.getText();

    Calendar cal= new GregorianCalendar();
    int year = cal.get(Calendar.YEAR);
    int month = cal.get(Calendar.MONTH);
    int day = cal.get(Calendar.DAY_OF_MONTH);
    System.out.println("Current date : "
        + day + "/" + (month + 1) + "/" + year);

    try{
        Document document= new Document();
        PdfWriter.getInstance(document, new FileOutputStream("Report.pdf"));
        document.open();
        com.itextpdf.text.Image image=com.itextpdf.text.Image.getInstance("logo.png");
        document.add(image);
        document.add(new Paragraph("Courier",
FontFactory.getFont(FontFactory.TIMES_BOLD,24,Font.BOLD,BaseColor.BLACK)));
        document.add(new Paragraph(new java.util.Date().toString()));
        document.add(new Paragraph("-----
-----"));
    }
}

```

```

PdfPTable table=new PdfPTable(2);
PdfPCell cell= new PdfPCell(new Paragraph("Report"));
cell.setColspan(4);
cell.setHorizontalAlignment(Element.ALIGN_CENTER);
cell.setBackgroundColor(BaseColor.CYAN);
table.addCell(cell);
table.addCell("Recipient Name");
table.addCell(Value1);
table.addCell("Origin");
table.addCell(Value2);
table.addCell("Email");
table.addCell(Value3);
table.addCell("Date of Arrival");
table.addCell(Value4);
document.add(table);
document.close();
JOptionPane.showMessageDialog(null, "Report created");
}catch(Exception e){
    JOptionPane.showMessageDialog(null, e);
}    // TODO add your handling code here:
}

```

```

private void cmd_emailActionPerformed(java.awt.event.ActionEvent evt) {
    String To= txt_sendmail.getText();

    Properties props= new Properties();
    props.put("mail.smtp.host", "smtp.gmail.com");
    props.put("mail.smtp.socketFactory.port", "465");
    props.put("mail.smtp.socketFactory.class", "javax.net.ssl.SSLSocketFactory");
    props.put("mail.smtp.auth", "true");
    props.put("mail.smtp.port", "465");

    Session session =Session.getDefaultInstance(props,
        new javax.mail.Authenticator() {
            protected PasswordAuthentication getPasswordAuthentication(){
                return new PasswordAuthentication("raqibm@muwci.net", "Playstationvita1");
            }
        }
    );
    try{
        Message message=new MimeMessage(session);
        message.setFrom(new InternetAddress("raqibm@muwci.net", "Reprographics"));
        message.setRecipients(Message.RecipientType.TO, InternetAddress.parse(To));
        message.setSubject("Courier");
    }
}

```

```

        message.setText("Please collect your Courier from Reprographics");
        Transport.send(message);
        JOptionPane.showMessageDialog(null, "Message Sent");
    }catch(Exception e){
        JOptionPane.showMessageDialog(null, e);
    }
}

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

private void txt_searchKeyReleased(java.awt.event.KeyEvent evt) {
    try{
        String sql= "select * from Courier where Recipient_Name=?";
        pst=conn.prepareStatement(sql);
        pst.setString(1, txt_search.getText());
        rs=pst.executeQuery();
        if(rs.next()){
            String add1=rs.getString("Recipient_Name");
            txt_rname.setText(add1);
            String add2=rs.getString("Origin");
            txt_from.setText(add2);
            String add3=rs.getString("Email");
            txt_mail.setText(add3);
            String add4=rs.getString("Date_of_Arrival");
            txt_doa.setText(add4);

        }
    }
    catch(Exception e){
        JOptionPane.showMessageDialog(null, e);
    }finally{
        try{
            rs.close();
            pst.close();
        }
        catch(Exception e){
        }
    }
}

try{
    String sql= "select * from Courier where Origin=?";
    pst=conn.prepareStatement(sql);

```

```

        pst.setString(1, txt_search.getText());
        rs=pst.executeQuery();
        if(rs.next()){
            String add1=rs.getString("Recipient_Name");
            txt_rname.setText(add1);
            String add2=rs.getString("Origin");
            txt_from.setText(add2);
            String add3=rs.getString("Email");
            txt_mail.setText(add3);
            String add4=rs.getString("Date_of_Arrival");
            txt_doa.setText(add4);

        }
    }
    catch(Exception e){
        JOptionPane.showMessageDialog(null, e);
    }finally{
        try{
            rs.close();
            pst.close();
        }
        catch(Exception e){
        }
    }
}

try{
    String sql= "select * from Courier where Email=?";
    pst=conn.prepareStatement(sql);
    pst.setString(1, txt_search.getText());
    rs=pst.executeQuery();
    if(rs.next()){
        String add1=rs.getString("Recipient_Name");
        txt_rname.setText(add1);
        String add2=rs.getString("Origin");
        txt_from.setText(add2);
        String add3=rs.getString("Email");
        txt_mail.setText(add3);
        String add4=rs.getString("Date_of_Arrival");
        txt_doa.setText(add4);

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

```



```

    }finally{
        try{
            rs.close();
            pst.close();
        }
        catch(Exception e){
        }
    }

    try{
        String sql= "select * from Courier where Date_of_Arrival=?";
        pst=conn.prepareStatement(sql);
        pst.setString(1, txt_search.getText());
        rs=pst.executeQuery();
        if(rs.next()){
            String add1=rs.getString("Recipient_Name");
            txt_rname.setText(add1);
            String add2=rs.getString("Origin");
            txt_from.setText(add2);
            String add3=rs.getString("Email");
            txt_mail.setText(add3);
            String add4=rs.getString("Date_of_Arrival");
            txt_doa.setText(add4);

        }
    }
    catch(Exception e){
        JOptionPane.showMessageDialog(null, e);
    }finally{
        try{
            rs.close();
            pst.close();
        }
        catch(Exception e){
        }
    }
}

private void Table_courierMouseClicked(java.awt.event.MouseEvent evt) {
    try{
        int row = Table_courier.getSelectedRow();
        String Table_click= (Table_courier.getModel().getValueAt(row, 0).toString());
        String sql ="select * from Courier where Recipient_Name='"+Table_click+"'";
        pst=conn.prepareStatement(sql);
    }
}

```

```

rs=pst.executeQuery();
if(rs.next()){
    String add1=rs.getString("Recipient_Name");
    txt_rname.setText(add1);
    String add2=rs.getString("Origin");
    txt_from.setText(add2);
    String add3=rs.getString("Email");
    txt_mail.setText(add3);
    String add4=rs.getString("Date_of_Arrival");
    txt_doa.setText(add4);
    txt_sendmail.setText(add3);

}
}
catch(Exception e){
    JOptionPane.showMessageDialog(null, e);
} finally{
    try{
        rs.close();
        pst.close();
    }
    catch(Exception e){
    }
} // TODO add your handling code here:
}

private void Table_courierKeyPressed(java.awt.event.KeyEvent evt) {
    if(evt.getKeyCode()==KeyEvent.VK_DOWN || evt.getKeyCode()==KeyEvent.VK_UP){
        try{
            int row = Table_courier.getSelectedRow();
            String Table_click= (Table_courier.getModel().getValueAt(row, 0).toString());
            String sql ="select * from Courier where Recipient_Name='"+Table_click+"'";
            pst=conn.prepareStatement(sql);
            rs=pst.executeQuery();
            if(rs.next()){
                String add1=rs.getString("Recipient_Name");
                txt_rname.setText(add1);
                String add2=rs.getString("Origin");
                txt_from.setText(add2);
                String add3=rs.getString("Email");
                txt_mail.setText(add3);
                String add4=rs.getString("Date_of_Arrival");
                txt_doa.setText(add4);
            }
        }
    }
}

```

```

    }
}
catch(Exception e){
    JOptionPane.showMessageDialog(null, e);
} finally{
    try{
        rs.close();
        pst.close();
    }
    catch(Exception e){
    }
}
}
}
}

```

```

private void cmd_attach3ActionPerformed(java.awt.event.ActionEvent evt) {
    JFileChooser chooser= new JFileChooser();
    chooser.showOpenDialog(null);
    File f =chooser.getSelectedFile();
    String filename =f.getAbsolutePath();
    txt_filechooser.setText(filename);
}

```

```

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

```

```

private void cmd_saveActionPerformed(java.awt.event.ActionEvent evt) {
    try{
        String sql= "Insert into Courier (Recipient_Name,Origin,Email,Date_of_Arrival) values
(?,?,?,?)";
        pst=conn.prepareStatement(sql);
        pst.setString(1, txt_rname.getText());
        pst.setString(2, txt_from.getText());
        pst.setString(3, txt_mail.getText());
        pst.setString(4, txt_doa.getText());
        pst.execute();
        JOptionPane.showMessageDialog(null, "Saved");
    }
    catch(Exception e){
        JOptionPane.showMessageDialog(null, e);
    }
    Update_table();    // TODO add your handling code here:
}

```

```

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

private void cmd_updateActionPerformed(java.awt.event.ActionEvent evt) {
    try{
        String value1 = txt_rname.getText();
        String value2 = txt_from.getText();
        String value3 = txt_mail.getText();
        String value4 = txt_doa.getText();

        String sql= "update Courier set Recipient_Name='"+value1+"' ,Origin='"+value2+"'
,Email='"+value3+"' ,Date_of_Arrival='"+value4+"' where Recipient_Name='"+value1+"'";
        pst=conn.prepareStatement(sql);
        pst.execute();
        JOptionPane.showMessageDialog(null, "Updated");
    }
    catch(Exception e){
        JOptionPane.showMessageDialog(null, e);
    }
    Update_table();
}

private void cmd_deleteActionPerformed(java.awt.event.ActionEvent evt) {
    String sql= "delete from Courier where Recipient_Name=?";
    try{
        pst=conn.prepareStatement(sql);
        pst.setString(1, txt_rname.getText());
        pst.execute();
        JOptionPane.showMessageDialog(null, "Deleted");
    }
    catch(Exception e){
        JOptionPane.showMessageDialog(null, e);
    }
    Update_table();    // TODO add your handling code here:
}

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

```

```

private void cmd_clearActionPerformed(java.awt.event.ActionEvent evt) {
    txt_rname.setText("");
    txt_from.setText("");
    txt_mail.setText("");
    txt_doa.setText("");
    txt_email.setText("");
}

private void cmd_print1ActionPerformed(java.awt.event.ActionEvent evt) {
    MessageFormat header= new MessageFormat("Courier Report");
    MessageFormat footer= new MessageFormat("Page{0,number,integer}");
    try{
        Table_courier.print(JTable.PrintMode.NORMAL, header, footer);
    }
    catch(java.awt.print.PrinterException e){
        System.err.format("Cannot print", e.getMessage());
    }
}

private void txt_sendmailActionPerformed(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(Courier.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (InstantiationException ex) {
```

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

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

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

```
// Variables declaration - do not modify
private javax.swing.JTable Table_courier;
private javax.swing.JButton back;
private javax.swing.JButton cmd_attach3;
private javax.swing.JButton cmd_clear;
private javax.swing.JButton cmd_delete;
private javax.swing.JButton cmd_email;
private javax.swing.JButton cmd_print1;
private javax.swing.JButton cmd_report;
private javax.swing.JButton cmd_save;
private javax.swing.JButton cmd_update;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JPanel jPanel1;
```

```
private javax.swing.JPanel jPanel2;  
private javax.swing.JPanel jPanel3;  
private javax.swing.JPanel jPanel4;  
private javax.swing.JPanel jPanel7;  
private javax.swing.JScrollPane jScrollPane1;  
private javax.swing.JTextField txt_doa;  
private javax.swing.JTextField txt_email;  
private javax.swing.JTextField txt_filechooser;  
private javax.swing.JTextField txt_from;  
private javax.swing.JTextField txt_mail;  
private javax.swing.JTextField txt_rname;  
private javax.swing.JTextField txt_search;  
private javax.swing.JTextField txt_sendmail;  
// End of variables declaration  
}
```