Bakery Management System

Appendices

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Appendix I: Interviews with the Client

Interview 1: Criterion A - Initial Assessment and Defining the Problem

Aim: Understand existing system and define its problems.

Date: February 19, 2022

Location: House of the client, Hyderabad

Please introduce yourself and talk briefly about your business.

I am Ruquia Ahmed. I run a small bakery from a house with my sister Arshia Ahmed Ayub called Dessert Factory.

Please describe the existing system.

Right now we take orders via WhatsApp or phone calls and then post these orders on a group with our staff. For inventory, the staff tells us when ingredients and materials are running low so that we can order them. We also use dessert glass dishes which our customers need to return to us after they have finished the dessert. So, we keep a list in our books and try and do follow up calls. Another thing is attendance. We have a roster which our staff has to update everyday: when they have entered, when they started working and when they leave.

What are the issues you are facing with this system?

Glass bowls go missing very often which leads to a loss of Rs. 700 per dish if we forget to follow up with our customers or they forget to send. Inventory is also an issue when the staff forget to remind us to restock and then end up not having ingredients or materials for the orders and have to run around looking for them the day before.

The problem with the roster is the record is not properly maintained, with holidays taken, hours worked, bonuses for working overtime etc. and they have flexible hours which are difficult to keep a track of.

Another issue is that we don't have all of our expenses in one place and so we don't have proper accounts.

Have you tried using existing software such as Microsoft excel/access?

I used to have an inventory list on Excel but realized our staff wasn't tech savvy enough to operate those kinds of software.

What could be a possible IT solution to your problem?

An easy-to-use app that can track attendance, inventory, dishes, accounts and orders.

Finally, what exactly would you like to see in this new system?

I would want an app which makes our business easier to handle and more professional. It should have the features I mentioned to solve the issues in our existing system.

Also a customer database with their names and phone numbers stored so that we can easily send them updates regarding their orders. It should also include something to make calculating our expenses easy in a way that both of us can update it.

Interview 2: Criterion A - Finalizing Success Criteria

Aim: Finalizing criteria for the application to be considered successful.

Date: February 22, 2022

Location: House of the client, Hyderabad

Good morning. I have spoken to you and your staff and have come up with the following necessities for your system: it must be easily accessible, it should be able to manage orders, manage inventory, manage dishes, manage accounts, manage staff and their attendance and show the data (orders and attendance) for each date separately. Anything I've missed or that you would like me to include?

That all sounds great. Also, we would also like accounts would separate access for us and the staff. For example, we don't need to update attendance and they don't need access to the accounts. So, our accounts and the staffs' accounts should have some different functionality.

Yes, that's an excellent point. I'll make a note of that and ensure to include that in the application. Any other features that you would like to add?

Hmm… Oh, did I ask for records of orders to track popular orders for each month? That would be helpful.

Like a statistics page? That's a good idea.

Yes. That's it. An order statistics page.Also a forgot username/password page please and a way to make sure the data we enter is correct. Especially for customer details.

I will add those to the list of features and functions. Thank you.

Interview 3: Criterion B - Visual and Functional Design

Aim: Getting approval for visual and functional design.

Date: April16, 2022

Location: House of the client, Hyderabad

Good morning. I have created user-interface designs for each page of the application. What do you think about the pages? Are you satisfied with the look for your application? Any changes?

It looks really good. I am very happy with it. It is better than anything I could have imagined! Thank you! The icons are a good addition and it looks very professional. One note I do have is the color scheme. Can we change the pink to a little lighter shade to match the colors of our logo? The purple is prefect and the deign is amazing just the color please.

Of course, yes. I will do that immediately. I have also sent you the plans for development with organized, designated functions and features. Any thoughts, comments, improvements?

Well, from the little I understood about the different diagrams you sent me, it's perfect. The organization and division of all the functions we asked for in a way that's easy to navigate. Yeah, it's perfect. Thank you.

Thank you. I will start my development process. I apologize in advance for all the messages and calls I will be making to get your input while I work on developing the actual product. Thank you.

Interview 4: - Criterion E - Evaluation

Aim: Evaluation after testing.

Date: December16, 2022

Location: House of the client, Hyderabad

Good morning. You have now interacted with the product. What were your first impressions based on look?

It was incredible! I actually started feeling like our business was becoming more professional. The design is impeccable. The colors are stunning. And even the font… well done! Thank you.

I'm glad you liked it. You've also now used it. Thoughts on navigation?

It's really easy to navigate. Really well organized and executed. We didn't need any training for it; it was all self-explanatory. And the staff also learnt very quickly.

So, for the big question, what do you think of its functionality?

It performs all the functions and features I had wished for. It has helped us immeasurably in calculating accounts and maintaining inventory and materials and of course orders. It has made the job of maintaining the staff very easy and has also helped in the matter of compensating our staff fairly. We are very happy with it. Thank you.

That's nice to hear. Any questions, suggestions or improvements?

Not really. However, in the future, when we've grown and expanded our business, we would like the idea of sending text messages to our customers with updates or reminders and also a platform to communicate with our staff for instructions etc. Another thing could be turning into a mobile app to help with portability. This way even if we are out and don't have access to our computer, we can still manage our business. Also, maybe a way in which we don't have to manually enter all the data where there can be typing errors.

Yes, those are all viable and smart extensions to this product that can be implemented with an extended budget for the future. I look forward to working on that whenever the time comes. Any other final comments?

No. I am very happy with how everything for the application turned out. My staff are very excited to use it more and so am I. Thank you for all the effort you put into this project.

I am really glad you liked it and happy to hear that its functionality is easy and also right for your particular situation. Thank you.

Appendix II: Interviews with the Client Staff

Interview 1: Defining the Problem

Aim: Defining problem for the staff (second users).

Date: February 19, 2022

Location: Dessert Factory Kitchen, Hyderabad

This is to learn about what you, as the staff, think about the current system that is used to manage this business.Please briefly describe the process for a new order. I understand that you get the orders via WhatsApp.

Yes, that's right. We have a WhatsApp group chat with the admin and they update us on that about our new orders with name of customer, quantity and date and time of order. We then put this on the whiteboard in the kitchen so that we know what we have to do that day and prioritize based on time the order is due. We then divide the work among the 5 of us based on our comfort in making certain components for the all the orders.

Okay, thank you. What are some of the problems you face with this system?

Sometimes we forget to check the ingredients before beginning and realize a little late that we don't have everything we need and that turns into a hassle. Also, sometimes the admin forget to tell us we when we have a new order or the order gets lost in a sea of messages with different instructions. Another problem is dishes. If we have to send an order in a dish then we need to get it back from customers on time and a lot of the times the customers don't return the dish on time or they forget to completely and we lose the dish.

I am going to try to make a better system for you all in one place. Do you have any suggestions?

Oh, all in one place just for just the business would be very helpful. Please also include a way to manage inventory and dishes and also to be able to easily see what orders we have on particular days.

Yes, I will try my best to make to make this system meet all your needs. Thank you.

Interview 2: Evaluation

Aim: Evaluation after testing.

Date: December16, 2022

Location: House of the client, Hyderabad

Good morning. You have now interacted with the product. What were your first impressions based on look?

The design was really good, eye-catching and the colors were very in theme. It looks very nice.

I'm glad. You've also now used it. Thoughts on navigation?

It was easy to learn. It was very easy to navigate. We don't have much experiences with computers and so were nervous about learning how to use the application. But, it was very easy and well-organized.

What do you think of its functionality?

It has all the functions necessary for us. We are able to use it for everything related to our business. Orders, Inventory and attendance is really easy to manage now.

Great. Any questions, suggestions or improvements?

No. Nothing. It's really good and very helpful in our work.

Any other final comments?

No. We are very excited to be using the app. It looks very nice and it's going to help take our business to the next.

I am really glad you liked it and happy to hear that its functionality is easy and also right for your particular situation. Thank you.

Appendix III: Full Code

Login Page

```java
import java.sql.*;
import javax.swing.*;
public class Login_Page extends javax.swing.JFrame {
    private String uname, pword, des;
    public Login_Page() {
        initComponents();
        ButtonGroup bg = new ButtonGroup();
        bg.add(Log_AdminRB);
        bg.add(Log_StaffRB);
    }
    //Method to check details entered
    public boolean checkEntered() {
        uname = Log_UNameF.getText();
        pword = String.valueOf(Log_PWordF.getPassword());
        if (uname.equals("") || pword.equals(""))
        {
            JOptionPane.showMessageDialog(this, "Enter all information.");
            return false;
        }
        if (!Log_AdminRB.isSelected() & !Log_StaffRB.isSelected())
        {
            JOptionPane.showMessageDialog(this, "Select a designation.");
            return false;
        }
        return true;
    }
    //Method to verify credentials
    public void verifyLogin() {
        uname = Log_UNameF.getText();
        pword = String.valueOf(Log_PWordF.getPassword());
        des = "Admin";
        if (Log_StaffRB.isSelected())
        {
            des = "Staff";
        }
        try {
            Connection conn = DatabaseConnection.getConnection();
            PreparedStatement pst = conn.prepareStatement("select * from users where username = ?     AND password = ? AND designation = ?");
            pst.setString(1, uname);
            pst.setString(2, pword);
            pst.setString(3, des);
            ResultSet rs = pst.executeQuery();
            if (rs.next())
            {
                if (des == "Admin")
                {
                    JOptionPane.showMessageDialog(this, "Login Successful");
                    Admin_Dashboard ad = new Admin_Dashboard();
                    ad.setVisible(true);
                    this.dispose();
                }
                else
                {
                    JOptionPane.showMessageDialog(this, "Login Successful");
                    StaffDash sd = new StaffDash();
                    sd.setVisible(true);
                    this.dispose();
                }
            }
            else
            {
                JOptionPane.showMessageDialog(this, "Incorrect Credentials");
            }
        } catch (Exception e) {
            e.printStackTrace();
        }
    }
    @SuppressWarnings("unchecked")
    private void initComponents() {
        Log_Background = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        Log_Backround2 = new javax.swing.JPanel();
        Log_RegisterButt = new javax.swing.JButton();
        Log_LoginButt = new javax.swing.JButton();
        Log_UNameL = new javax.swing.JLabel();
        Log_PWordL = new javax.swing.JLabel();
        Log_RegScrL = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        Log_UNameF = new app.bolivia.swing.JCTextField();
        Log_DesL = new javax.swing.JLabel();
        Log_AdminRB = new javax.swing.JRadioButton();
        Log_StaffRB = new javax.swing.JRadioButton();
        Log_PWordF = new javax.swing.JPasswordField();
        LP_ForgotL = new javax.swing.JLabel();
        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        getContentPane().setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
        Log_Background.setBackground(new java.awt.Color(255, 204, 204));
        Log_Background.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
```

```java
        jLabel1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/icons/icons/DF2.png"))); // NOI18N
        Log_Backround.add(jLabel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 70, -1, -1));
        getContentPane().add(Log_Backround, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, 420, 510));
        Log_Backround2.setBackground(new java.awt.Color(255, 255, 255));
        Log_Backround2.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
        Log_RegisterButt.setFont(new java.awt.Font("SimSun", 0, 18)); // NOI18N
        Log_RegisterButt.setText("Register");
        Log_RegisterButt.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                Log_RegisterButtActionPerformed(evt);
            }
        });
        Log_Backround2.add(Log_RegisterButt, new org.netbeans.lib.awtextra.AbsoluteConstraints(300, 370, 130, 50));
        Log_LoginButt.setFont(new java.awt.Font("SimSun", 0, 18)); // NOI18N
        Log_LoginButt.setText("Login");
        Log_LoginButt.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                Log_LoginButtActionPerformed(evt);
            }
        });
        Log_Backround2.add(Log_LoginButt, new org.netbeans.lib.awtextra.AbsoluteConstraints(120, 370, 130, 50));
        Log_UNameL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
        Log_UNameL.setText("Username");
        Log_Backround2.add(Log_UNameL, new org.netbeans.lib.awtextra.AbsoluteConstraints(90, 140, 120, 40));
        Log_PWordL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
        Log_PWordL.setText("Password");
        Log_Backround2.add(Log_PWordL, new org.netbeans.lib.awtextra.AbsoluteConstraints(90, 210, 120, 40));
        Log_RegScrL.setFont(new java.awt.Font("SimSun", 0, 36)); // NOI18N
        Log_RegScrL.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
        Log_RegScrL.setText("Login Page");
        Log_Backround2.add(Log_RegScrL, new org.netbeans.lib.awtextra.AbsoluteConstraints(170, 40, 210, 50));
        Log_Backround2.add(jLabel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(30, 160, -1, -1));
        Log_UNameF.setBorder(javax.swing.BorderFactory.createMatteBorder(0, 0, 1, 0, new java.awt.Color(0, 0, 0)));
        Log_Backround2.add(Log_UNameF, new org.netbeans.lib.awtextra.AbsoluteConstraints(260, 130, 220, 40));
        Log_DesL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
        Log_DesL.setText("Designation");
        Log_Backround2.add(Log_DesL, new org.netbeans.lib.awtextra.AbsoluteConstraints(90, 280, -1, -1));
        Log_AdminRB.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
        Log_AdminRB.setText("Admin");
        Log_Backround2.add(Log_AdminRB, new org.netbeans.lib.awtextra.AbsoluteConstraints(290, 280, -1, -1));
        Log_StaffRB.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
        Log_StaffRB.setText("Staff");
        Log_Backround2.add(Log_StaffRB, new org.netbeans.lib.awtextra.AbsoluteConstraints(370, 280, -1, -1));
        Log_PWordF.setBorder(javax.swing.BorderFactory.createMatteBorder(0, 0, 1, 0, new java.awt.Color(0, 0, 0)));
        Log_Backround2.add(Log_PWordF, new org.netbeans.lib.awtextra.AbsoluteConstraints(260, 200, 220, 40));
        LP_ForgotL.setFont(new java.awt.Font("Sitka Text", 0, 12)); // NOI18N
        LP_ForgotL.setForeground(new java.awt.Color(51, 102, 255));
        LP_ForgotL.setText("Forgot Username/Password");
        LP_ForgotL.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                LP_ForgotLMouseClicked(evt);
            }
        });
        Log_Backround2.add(LP_ForgotL, new org.netbeans.lib.awtextra.AbsoluteConstraints(200, 330, -1, -1));
        getContentPane().add(Log_Backround2, new org.netbeans.lib.awtextra.AbsoluteConstraints(420, 0, 520, 510));
        setSize(new java.awt.Dimension(981, 548));
        setLocationRelativeTo(null);
    }
    private void Log_LoginButtActionPerformed(java.awt.event.ActionEvent evt) {
        if (checkEntered())
        {
            verifyLogin();
        }
    }
    private void Log_RegisterButtActionPerformed(java.awt.event.ActionEvent evt) {
        Register_Screen RegScr = new Register_Screen();
        RegScr.setVisible(true);
        this.dispose();
    }
    private void LP_ForgotLMouseClicked(java.awt.event.MouseEvent evt) {
        Forgot_InfoPage fip = new Forgot_InfoPage();
        fip.setVisible(true);
        this.dispose();
    }
    public static void main(String args[]) {
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {
                    javax.swing.UIManager.setLookAndFeel(info.getClassName());
                    break;
                }
            }
        } catch (ClassNotFoundException ex) {
java.util.logging.Logger.getLogger(Login_Page.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {       java.util.logging.Logger.getLogger(Login_Page.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {       java.util.logging.Logger.getLogger(Login_Page.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {       java.util.logging.Logger.getLogger(Login_Page.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        }
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new Login_Page().setVisible(true);
            }
        });
    }
    private javax.swing.JLabel LP_ForgotL;
    private javax.swing.JRadioButton Log_AdminRB;
```

```
        private javax.swing.JPanel Log_Background;
        private javax.swing.JPanel Log_Backround2;
        private javax.swing.JLabel Log_DesL;
        private javax.swing.JButton Log_LoginButt;
        private javax.swing.JPasswordField Log_PWordF;
        private javax.swing.JLabel Log_PWordL;
        private javax.swing.JLabel Log_RegScrL;
        private javax.swing.JButton Log_RegisterButt;
        private javax.swing.JRadioButton Log_StaffRB;
        private app.bolivia.swing.JCTextField Log_UNameF;
        private javax.swing.JLabel Log_UNameL;
        private javax.swing.JLabel jLabel1;
        private javax.swing.JLabel jLabel2;
}
```

Register Screen

```
import java.sql.*;
import javax.swing.ButtonGroup;
import javax.swing.JOptionPane;
public class Register_Screen extends javax.swing.JFrame {
    private String fname, lname, uname, pword, phone, des;
    public Register_Screen() {
        initComponents();
        ButtonGroup bg = new ButtonGroup();
        bg.add(Reg_AdminRB);
        bg.add(Reg_StaffRB);
    }
    //Method to insert details into users table
    public void insertRegDetails(){
        fname = Reg_FNameF.getText();
        lname = Reg_LNameF.getText();
        uname = Reg_UNameF.getText();
        pword = Reg_PWordF.getText();
        phone = Reg_PNumF.getText();
        des = "Admin";
        if (Reg_StaffRB.isSelected())
        {
            des = "Staff";
        }
        try {
            Connection conn = DatabaseConnection.getConnection();
            String sql = "insert into users(first_name, last_name, username, password, phone_number, designation) values(?,?,?,?,?,?)";
            PreparedStatement pst = conn.prepareStatement(sql);
            pst.setString(1, fname);
            pst.setString(2, lname);
            pst.setString(3, uname);
            pst.setString(4, pword);
            pst.setString(5, phone);
            pst.setString(6, des);
            int updatedRowCount = pst.executeUpdate();
            if (updatedRowCount > 0)
            {
                JOptionPane.showMessageDialog(this, "Registered");
                Login_Page lp = new Login_Page();
                lp.setVisible(true);
                this.dispose();
            }
            else
            {
                JOptionPane.showMessageDialog(this, "Error");
            }
        } catch (Exception e) {
            e.printStackTrace();
        }
    }
    //Method to check if all information is entered
    public boolean checkFields()
    {
        fname = Reg_FNameF.getText();
        lname = Reg_LNameF.getText();
        uname = Reg_UNameF.getText();
        pword = Reg_PWordF.getText();
        phone = Reg_PNumF.getText();
        if(fname.trim().equals("") || lname.trim().equals("") || uname.trim().equals("") || pword.trim().equals("") || phone.trim().equals(""))
        {
            JOptionPane.showMessageDialog(this, "Enter all information");
            return false;
        }
        if (!Reg_AdminRB.isSelected() & !Reg_StaffRB.isSelected())
        {
            JOptionPane.showMessageDialog(this, "Select a designation.");
            return false;
        }
        else
        {
            return true;
        }
    }
    //Method to check username
    public boolean checkUsername()
    {
        uname = Reg_UNameF.getText();
        boolean exists = false;
        try {
            Connection conn = DatabaseConnection.getConnection();
            PreparedStatement pst = conn.prepareStatement("select * from users where username = ?");
```

```java
                pst.setString(1, uname);
                ResultSet rs = pst.executeQuery();
                if (rs.next())
                {
                    exists = true;
                }
            } catch (Exception e) {
                e.printStackTrace();
            }
            return exists;
        }
    //Method to check if user with number exists
    public boolean checkNumEx()
    {
        phone = Reg_PNumF.getText();
        boolean exists = false;
        try {
            Connection conn = DatabaseConnection.getConnection();
            PreparedStatement pst = conn.prepareStatement("select * from users where phone_number = ?");
            pst.setString(1, phone);
            ResultSet rs = pst.executeQuery();
            if (rs.next())
            {
                exists = true;
            }
        } catch (Exception e) {
            e.printStackTrace();
        }
        return exists;
    }
    //Method to check phone number
    public boolean checkNumber()
    {
        phone = Reg_PNumF.getText();
        boolean valid = false;
        char[] num = {'0', '1', '2', '3', '4','5','6','7','8','9'};
        int count = 0;
        if (phone.length()==10)
        {
            for (int i = 0; i < 10; i++)
            {
                for (int j = 0; j < 10; j++)
                {
                    if (phone.charAt(i)==(num[j]))
                    {
                        count++;
                    }
                }
            }
            if (count == 10)
            {
                valid = true;
            }
        }
        return valid;
    }
    @SuppressWarnings("unchecked")
    private void initComponents() {
        jPanel1 = new javax.swing.JPanel();
        Reg_Logo = new javax.swing.JLabel();
        jPanel2 = new javax.swing.JPanel();
        Reg_SigPagL = new javax.swing.JLabel();
        Reg_UNameL = new javax.swing.JLabel();
        Reg_PWordL = new javax.swing.JLabel();
        Reg_FNameL = new javax.swing.JLabel();
        Reg_LNameL = new javax.swing.JLabel();
        Reg_PNumL = new javax.swing.JLabel();
        Reg_DesL = new javax.swing.JLabel();
        Reg_RegisterButt = new javax.swing.JButton();
        Reg_BackButt = new javax.swing.JButton();
        Reg_FNameF = new app.bolivia.swing.JCTextField();
        Reg_LNameF = new app.bolivia.swing.JCTextField();
        Reg_UNameF = new app.bolivia.swing.JCTextField();
        Reg_PWordF = new app.bolivia.swing.JCTextField();
        Reg_PNumF = new app.bolivia.swing.JCTextField();
        Reg_AdminRB = new javax.swing.JRadioButton();
        Reg_StaffRB = new javax.swing.JRadioButton();
        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        getContentPane().setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
        jPanel1.setBackground(new java.awt.Color(255, 204, 204));
        Reg_Logo.setIcon(new javax.swing.ImageIcon(getClass().getResource("/icons/icons/DF2.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()
                .addComponent(Reg_Logo, javax.swing.GroupLayout.PREFERRED_SIZE, 420, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(0, 0, Short.MAX_VALUE))
        );
        jPanel1Layout.setVerticalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(80, 80, 80)
                .addComponent(Reg_Logo, javax.swing.GroupLayout.PREFERRED_SIZE, 350, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addContainerGap(80, Short.MAX_VALUE))
        );
```

```java
getContentPane().add(jPanel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, 420, 510));
jPanel2.setBackground(new java.awt.Color(255, 255, 255));
Reg_SigPagL.setFont(new java.awt.Font("SimSun", 0, 36)); // NOI18N
Reg_SigPagL.setText("Signup Page");
Reg_UNameL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
Reg_UNameL.setText("Username");
Reg_PWordL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
Reg_PWordL.setText("Password");
Reg_FNameL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
Reg_FNameL.setText("First Name");
Reg_LNameL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
Reg_LNameL.setText("Last Name");
Reg_PNumL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
Reg_PNumL.setText("Phone Number");
Reg_DesL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
Reg_DesL.setText("Designation");
Reg_RegisterButt.setFont(new java.awt.Font("SimSun", 0, 18)); // NOI18N
Reg_RegisterButt.setText("Register");
Reg_RegisterButt.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        Reg_RegisterButtActionPerformed(evt);
    }
});
Reg_BackButt.setFont(new java.awt.Font("SimSun", 0, 18)); // NOI18N
Reg_BackButt.setText("Back");
Reg_BackButt.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        Reg_BackButtActionPerformed(evt);
    }
});
Reg_FNameF.setBorder(javax.swing.BorderFactory.createMatteBorder(0, 0, 1, 0, new java.awt.Color(0, 0, 0)));
Reg_LNameF.setBorder(javax.swing.BorderFactory.createMatteBorder(0, 0, 1, 0, new java.awt.Color(0, 0, 0)));
Reg_UNameF.setBorder(javax.swing.BorderFactory.createMatteBorder(0, 0, 1, 0, new java.awt.Color(0, 0, 0)));
Reg_UNameF.addFocusListener(new java.awt.event.FocusAdapter() {
    public void focusLost(java.awt.event.FocusEvent evt) {
        Reg_UNameFFocusLost(evt);
    }
});
Reg_PWordF.setBorder(javax.swing.BorderFactory.createMatteBorder(0, 0, 1, 0, new java.awt.Color(0, 0, 0)));
Reg_PNumF.setBorder(javax.swing.BorderFactory.createMatteBorder(0, 0, 1, 0, new java.awt.Color(0, 0, 0)));
Reg_PNumF.addFocusListener(new java.awt.event.FocusAdapter() {
    public void focusLost(java.awt.event.FocusEvent evt) {
        Reg_PNumFFocusLost(evt);
    }
});
Reg_AdminRB.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
Reg_AdminRB.setText("Admin");
Reg_StaffRB.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
Reg_StaffRB.setText("Staff");
javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
jPanel2.setLayout(jPanel2Layout);
jPanel2Layout.setHorizontalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel2Layout.createSequentialGroup()        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(176, 176, 176)
            .addComponent(Reg_SigPagL))
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(129, 129, 129)
            .addComponent(Reg_RegisterButt, javax.swing.GroupLayout.PREFERRED_SIZE, 124, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(36, 36, 36)
            .addComponent(Reg_BackButt, javax.swing.GroupLayout.PREFERRED_SIZE, 124, javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel2Layout.createSequentialGroup()
        .addGap(0, 60, Short.MAX_VALUE)            .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
            .addGroup(jPanel2Layout.createSequentialGroup()                    .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(Reg_PNumL)
                .addComponent(Reg_DesL))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(Reg_PNumF, javax.swing.GroupLayout.PREFERRED_SIZE, 200, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel2Layout.createSequentialGroup()
                    .addComponent(Reg_AdminRB)
                    .addGap(36, 36, 36)
                    .addComponent(Reg_StaffRB)
                    .addGap(35, 35, 35))))
            .addGroup(jPanel2Layout.createSequentialGroup()                        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                .addGroup(jPanel2Layout.createSequentialGroup()
                    .addComponent(Reg_PWordL)
                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                    .addComponent(Reg_PWordF, javax.swing.GroupLayout.PREFERRED_SIZE, 200, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGroup(jPanel2Layout.createSequentialGroup()
                    .addComponent(Reg_UNameL)
                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                    .addComponent(Reg_UNameF, javax.swing.GroupLayout.PREFERRED_SIZE, 200, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGroup(jPanel2Layout.createSequentialGroup()
                    .addGap(0, 1, Short.MAX_VALUE)                        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                        .addGroup(jPanel2Layout.createSequentialGroup()
                            .addComponent(Reg_LNameL)
                            .addGap(108, 108, 108)
                            .addComponent(Reg_LNameF, javax.swing.GroupLayout.PREFERRED_SIZE, 200, javax.swing.GroupLayout.PREFERRED_SIZE))
                        .addGroup(jPanel2Layout.createSequentialGroup()
                            .addComponent(Reg_FNameL)
                            .addGap(96, 96, 96)
                            .addComponent(Reg_FNameF, javax.swing.GroupLayout.PREFERRED_SIZE, 200, javax.swing.GroupLayout.PREFERRED_SIZE)))))
                .addGap(2, 2, 2)))
        .addGap(41, 41, 41))
```

```java
            );
        jPanel2Layout.setVerticalGroup(
            jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel2Layout.createSequentialGroup()
                .addGap(53, 53, 53)
                .addComponent(Reg_SigPagL)
                .addGap(60, 60, 60)          .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                    .addComponent(Reg_FNameL)
                    .addComponent(Reg_FNameF, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(Reg_LNameL)
                    .addComponent(Reg_LNameF, javax.swing.GroupLayout.PREFERRED_SIZE, 28, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(Reg_UNameL)
                    .addComponent(Reg_UNameF, javax.swing.GroupLayout.PREFERRED_SIZE, 28, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(Reg_PWordL)
                    .addComponent(Reg_PWordF, javax.swing.GroupLayout.PREFERRED_SIZE, 28, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(Reg_PNumL)
                    .addComponent(Reg_PNumF, javax.swing.GroupLayout.PREFERRED_SIZE, 28, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(Reg_DesL)
                    .addComponent(Reg_AdminRB)
                    .addComponent(Reg_StaffRB))
                .addGap(30, 30, 30)          .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(Reg_RegisterButt, javax.swing.GroupLayout.PREFERRED_SIZE, 50, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(Reg_BackButt, javax.swing.GroupLayout.PREFERRED_SIZE, 50, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addContainerGap(61, Short.MAX_VALUE))
        );
        getContentPane().add(jPanel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(420, 0, 520, 510));
        setSize(new java.awt.Dimension(970, 560));
        setLocationRelativeTo(null);
    }
    private void Reg_RegisterButtActionPerformed(java.awt.event.ActionEvent evt) {
        if (checkFields() == true && checkUsername() == false && checkNumber() == true && checkNumEx()== false)
        {
            insertRegDetails();
        }
        else
        {
            JOptionPane.showMessageDialog(this, "Check Information.");
        }
    }
    private void Reg_UNameFFocusLost(java.awt.event.FocusEvent evt) {
        if (checkUsername() == true)
        {
            JOptionPane.showMessageDialog(this, "Username unavailable.");
        }
    }
    private void Reg_BackButtActionPerformed(java.awt.event.ActionEvent evt) {
        Login_Page lp = new Login_Page();
        lp.setVisible(true);
        this.dispose();
    }
    private void Reg_PNumFFocusLost(java.awt.event.FocusEvent evt) {
        if (!Reg_PNumF.getText().trim().equals(""))
        {
            if (checkNumber()== false)
            {
                JOptionPane.showMessageDialog(this, "Phone Number Invalid");
            }
            else if (checkNumEx() == true)
            {
                JOptionPane.showMessageDialog(this, "This Phone Number is already registered with an account.");
            }
        }
    }
    public static void main(String args[]) {
        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(Register_Screen.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {          java.util.logging.Logger.getLogger(Register_Screen.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {          java.util.logging.Logger.getLogger(Register_Screen.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {          java.util.logging.Logger.getLogger(Register_Screen.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        }
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new Register_Screen().setVisible(true);
            }
        });
    }
    private javax.swing.JRadioButton Reg_AdminRB;
    private javax.swing.JButton Reg_BackButt;
    private javax.swing.JLabel Reg_DesL;
```

```java
        private app.bolivia.swing.JCTextField Reg_FNameF;
        private javax.swing.JLabel Reg_FNameL;
        private app.bolivia.swing.JCTextField Reg_LNameF;
        private javax.swing.JLabel Reg_LNameL;
        private javax.swing.JLabel Reg_Logo;
        private app.bolivia.swing.JCTextField Reg_PNumF;
        private javax.swing.JLabel Reg_PNumL;
        private app.bolivia.swing.JCTextField Reg_PWordF;
        private javax.swing.JLabel Reg_PWordL;
        private javax.swing.JButton Reg_RegisterButt;
        private javax.swing.JLabel Reg_SigPagL;
        private javax.swing.JRadioButton Reg_StaffRB;
        private app.bolivia.swing.JCTextField Reg_UNameF;
        private javax.swing.JLabel Reg_UNameL;
        private javax.swing.JPanel jPanel1;
        private javax.swing.JPanel jPanel2;
}
```

Forgot_InfoPage

```java
import java.sql.*;
import javax.swing.JOptionPane;
public class Forgot_InfoPage extends javax.swing.JFrame {
    private String fname, lname, phone;
    public Forgot_InfoPage() {
        initComponents();
    }
    //Method to check if infomation entered matches
    public void verifyInfo(){
        fname = FI_FNameF.getText();
        lname = FI_LNameF.getText();
        phone = FI_PNumF.getText();
        try {
            Connection conn = DatabaseConnection.getConnection();
            PreparedStatement pst = conn.prepareStatement("select * from users where first_name = ? AND last_name = ? and phone_number = ?");
            pst.setString(1, fname);
            pst.setString(2, lname);
            pst.setString(3, phone);
            ResultSet rs = pst.executeQuery();
            if (rs.next())
            {
                String uUName = rs.getString("username");
                String uPWord = rs.getString("password");
                FI_UNameL.setText(uUName);
                FI_PWordL.setText(uPWord);
            }
            else
            {
                JOptionPane.showMessageDialog(this, "No User Found");
            }
        } catch (Exception e) {
            e.printStackTrace();
        }
    }
    @SuppressWarnings("unchecked")
    private void initComponents() {
        SD_Back = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        FI_BackL = new javax.swing.JLabel();
        jPanel2 = new javax.swing.JPanel();
        jPanel3 = new javax.swing.JPanel();
        FI_FNameL = new javax.swing.JLabel();
        FI_FNameF = new app.bolivia.swing.JCTextField();
        FI_LNameL = new javax.swing.JLabel();
        FI_LNameF = new app.bolivia.swing.JCTextField();
        FI_PNumL = new javax.swing.JLabel();
        FI_PNumF = new app.bolivia.swing.JCTextField();
        FI_ETL = new javax.swing.JLabel();
        FI_UNameL = new javax.swing.JLabel();
        FI_PWordL = new javax.swing.JLabel();
        FI_GetInfoButt = new javax.swing.JButton();
        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        getContentPane().setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
        SD_Back.setBackground(new java.awt.Color(255, 204, 204));
        SD_Back.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
        jLabel1.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
        jLabel1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/icons/icons/DF2R.png"))); // NOI18N
        SD_Back.add(jLabel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(860, 10, -1, -1));
        FI_BackL.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
        FI_BackL.setIcon(new javax.swing.ImageIcon(getClass().getResource("/AddNewBookIcons/AddNewBookIcons/icons8_Rewind_48px.png"))); // NOI18N
        FI_BackL.setText("Back to Login Page");
        FI_BackL.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                FI_BackLMouseClicked(evt);
            }
        });
        SD_Back.add(FI_BackL, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 10, 210, 40));
        jPanel2.setBackground(new java.awt.Color(255, 255, 255));
        javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
        jPanel2.setLayout(jPanel2Layout);
        jPanel2Layout.setHorizontalGroup(
            jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGap(0, 0, Short.MAX_VALUE)
        );
        jPanel2Layout.setVerticalGroup(
            jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGap(0, 50, Short.MAX_VALUE)
```

```java
        );
        SD_Back.add(jPanel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(75, 0, -1, 50));
        getContentPane().add(SD_Back, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, 940, 60));
        jPanel3.setBackground(new java.awt.Color(255, 255, 255));
        FI_FNameL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
        FI_FNameL.setText("First Name");
        FI_FNameF.setBorder(javax.swing.BorderFactory.createMatteBorder(0, 0, 1, 0, new java.awt.Color(0, 0, 0)));
        FI_LNameL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
        FI_LNameL.setText("Last Name");
        FI_LNameF.setBorder(javax.swing.BorderFactory.createMatteBorder(0, 0, 1, 0, new java.awt.Color(0, 0, 0)));
        FI_PNumL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
        FI_PNumL.setText("Phone Number");
        FI_PNumF.setBorder(javax.swing.BorderFactory.createMatteBorder(0, 0, 1, 0, new java.awt.Color(0, 0, 0)));
        FI_PNumF.addFocusListener(new java.awt.event.FocusAdapter() {
            public void focusLost(java.awt.event.FocusEvent evt) {
                FI_PNumFFocusLost(evt);
            }
        });
        FI_ETL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
        FI_ETL.setText("Enter Information");
        FI_UNameL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
        FI_UNameL.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
        FI_UNameL.setText("Username");
        FI_PWordL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
        FI_PWordL.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
        FI_PWordL.setText("Password");
        FI_GetInfoButt.setFont(new java.awt.Font("SimSun", 0, 18)); // NOI18N
        FI_GetInfoButt.setText("Get Details");
        FI_GetInfoButt.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                FI_GetInfoButtActionPerformed(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()          .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(jPanel3Layout.createSequentialGroup()
                    .addGap(253, 253, 253)                    .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                        .addGroup(jPanel3Layout.createSequentialGroup()
                            .addComponent(FI_PNumL)
                            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                            .addComponent(FI_PNumF, javax.swing.GroupLayout.PREFERRED_SIZE, 200, javax.swing.GroupLayout.PREFERRED_SIZE))
                        .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                            .addGroup(jPanel3Layout.createSequentialGroup()
                                .addComponent(FI_LNameL)
                                .addGap(108, 108, 108)
                                .addComponent(FI_LNameF, javax.swing.GroupLayout.PREFERRED_SIZE, 200, javax.swing.GroupLayout.PREFERRED_SIZE))
                            .addGroup(jPanel3Layout.createSequentialGroup()
                                .addComponent(FI_FNameL)
                                .addGap(96, 96, 96)
                                .addComponent(FI_FNameF, javax.swing.GroupLayout.PREFERRED_SIZE, 200, javax.swing.GroupLayout.PREFERRED_SIZE)))))
                .addGroup(jPanel3Layout.createSequentialGroup()
                    .addGap(363, 363, 363)
                    .addComponent(FI_ETL))
                .addGroup(jPanel3Layout.createSequentialGroup()
                    .addGap(400, 400, 400)          .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                        .addComponent(FI_PWordL)
                        .addComponent(FI_UNameL)))
                .addGroup(jPanel3Layout.createSequentialGroup()
                    .addGap(380, 380, 380)
                    .addComponent(FI_GetInfoButt)))
                .addContainerGap(271, Short.MAX_VALUE))
        );
        jPanel3Layout.setVerticalGroup(
            jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel3Layout.createSequentialGroup()
                .addGap(17, 17, 17)
                .addComponent(FI_ETL)
                .addGap(18, 18, 18)          .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                    .addComponent(FI_FNameL)
                    .addComponent(FI_FNameF, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(FI_LNameL)
                    .addComponent(FI_LNameF, javax.swing.GroupLayout.PREFERRED_SIZE, 28, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(FI_PNumL)
                    .addComponent(FI_PNumF, javax.swing.GroupLayout.PREFERRED_SIZE, 28, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(32, 32, 32)
                .addComponent(FI_UNameL)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(FI_PWordL)
                .addGap(39, 39, 39)
                .addComponent(FI_GetInfoButt, javax.swing.GroupLayout.PREFERRED_SIZE, 43, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addContainerGap(105, Short.MAX_VALUE))
        );
        getContentPane().add(jPanel3, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 60, 940, 450));
        setSize(new java.awt.Dimension(954, 550));
        setLocationRelativeTo(null);
    }
    private void FI_BackLMouseClicked(java.awt.event.MouseEvent evt) {
        Login_Page lp = new Login_Page();
        lp.setVisible(true);
        this.dispose();
```

```
        }
    private void FI_GetInfoButtActionPerformed(java.awt.event.ActionEvent evt) {
        verifyInfo();
    }
    public static void main(String args[]) {
        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(Forgot_InfoPage.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {        java.util.logging.Logger.getLogger(Forgot_InfoPage.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {        java.util.logging.Logger.getLogger(Forgot_InfoPage.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {        java.util.logging.Logger.getLogger(Forgot_InfoPage.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        }
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new Forgot_InfoPage().setVisible(true);
            }
        });
    }
    private javax.swing.JLabel FI_BackL;
    private javax.swing.JLabel FI_ETL;
    private app.bolivia.swing.JCTextField FI_FNameF;
    private javax.swing.JLabel FI_FNameL;
    private javax.swing.JButton FI_GetInfoButt;
    private app.bolivia.swing.JCTextField FI_LNameF;
    private javax.swing.JLabel FI_LNameL;
    private app.bolivia.swing.JCTextField FI_PNumF;
    private javax.swing.JLabel FI_PNumL;
    private javax.swing.JLabel FI_PWordL;
    private javax.swing.JLabel FI_UNameL;
    private javax.swing.JPanel SD_Back;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JPanel jPanel2;
    private javax.swing.JPanel jPanel3;
}
```

Admin Screens

Admin Dashboard

```
import java.awt.Color;
import java.sql.*;
import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;
public class Admin_Dashboard extends javax.swing.JFrame {
    private String date, ChosenDate, sTime, eTime;
    private DefaultTableModel model;
    Color mouseEnterColor = new Color(225,225,225);
    Color mouseExitColor = new Color(255,255,255);
    public Admin_Dashboard() {
        initComponents();
        setDDToTable();
    }
    //Method to set order today's order details
    public void setODToTable(){
        ChosenDate = AD_DateEnteredF.getText();
        try {
            Connection conn = DatabaseConnection.getConnection();
            PreparedStatement pst = conn.prepareStatement("select * from orders_details where delivery_date = ?");
            pst.setString(1, ChosenDate);
            ResultSet rs = pst.executeQuery();
            while(rs.next()){
                String orderID = rs.getString("Order_ID");
                String cusName = rs.getString("Customer_Name");
                String cusCont = rs.getString("Customer_Contact");
                String itemName = rs.getString("Item");
                int quan = rs.getInt("Quantity");
                float amountDue = rs.getFloat("Amount_Due");
                String deliveryTime = rs.getString("Delivery_Time");
                String stat = rs.getString("Stat");
                Object[] obj = {orderID, cusName, cusCont, itemName, quan, amountDue, deliveryTime, stat};
                model = (DefaultTableModel) AD_OrdersTab.getModel();
                model.addRow(obj);
            }
        } catch (Exception e) {
            e.printStackTrace();
        }
        model = (DefaultTableModel) AD_OrdersTab.getModel();
        int totOrdsI = model.getRowCount();
        String totOrdsS = Integer.toString(totOrdsI);
        AD_TotOrdsL.setText(totOrdsS);
    }
    //Method to set dish details to table
    public void setDDToTable(){
        try {
            Connection conn = DatabaseConnection.getConnection();
            PreparedStatement pst = conn.prepareStatement("select * from orders_details where Dish = ? AND Stat != ?");
            pst.setString(1, "Yes");
            pst.setString(2, "Returned");
            ResultSet rs = pst.executeQuery();
            while(rs.next())
            {
```

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                String orderID = rs.getString("Order_ID");
                String cusName = rs.getString("Customer_Name");
                String cusCont = rs.getString("Customer_Contact");
                String itemName = rs.getString("Item");
                int quan = rs.getInt("Quantity");
                Object[] obj = {orderID, cusName, cusCont, itemName, quan};
                model = (DefaultTableModel) AD_DishesTab.getModel();
                model.addRow(obj);
            }
        } catch (Exception e) {
            e.printStackTrace();
        }
    }
    //Method to set Attendance recs to table
    public void setSAToTable(){
        String chosenDate = AD_DateEnteredF.getText();
        try {
            Connection conn = DatabaseConnection.getConnection();
            PreparedStatement pst = conn.prepareStatement("select * from attendance where Date = ?");
            pst.setString(1, chosenDate);
            ResultSet rs = pst.executeQuery();
            while(rs.next()){
                int staID = rs.getInt("ID");
                String staName = rs.getString("Name");
                String attWork = rs.getString("Working");
                String attSTime = rs.getString("Start_Time");
                String attETime = rs.getString("End_Time");
                Object[] obj = {staID, staName, attWork, attSTime, attETime};
                model = (DefaultTableModel) AD_AttendTab.getModel();
                model.addRow(obj);
            }
        } catch (Exception e) {
            e.printStackTrace();
        }
    }
    //Method to clear Table
    public void clearTable(DefaultTableModel model){
        model.setRowCount(0);
    }
    //Method to check date
    public boolean checkDate(){
        boolean valid = false;
        date = AD_DateEnteredF.getText();
        if (date.length() == 8)
        {
            String[] arrDate = date.split("/");
            if (arrDate.length == 3)
            {
                int day = Integer.parseInt(arrDate[0]);
                int month = Integer.parseInt(arrDate[1]);
                if (day <= 31 && month <= 12)
                {
                    valid = true;
                }
            }
        }
        return valid;
    }
    //Method to calcultate overtime
    public void calcOT(){
        model = (DefaultTableModel) AD_AttendTab.getModel();
        int numRows = model.getRowCount();
        int min;
        int hrs;
        int eHHtf;
        String minS;
        for (int i = 0; i < numRows; i++)
        {
            sTime = model.getValueAt(i, 3).toString();
            eTime = model.getValueAt(i, 4).toString();
            //Splitting time into time and am/pm
            String[] sSpace = sTime.split(" ");
            String[] eSpace = eTime.split(" ");
            //Splitting time into hours and minutes
            String[] sColon = sSpace[0].split(":");
            String[] eColon = eSpace[0].split(":");
            //Getting hours and minutes
            int sHH = Integer.parseInt(sColon[0]);
            int sMM = Integer.parseInt(sColon[1]);
            int eHH = Integer.parseInt(eColon[0]);
            int eMM = Integer.parseInt(eColon[1]);
            //Comparing to see if ending minutes are greater than starting minutes
            if (sMM > eMM)
            {
                min = (60 - sMM) + eMM;
                eHH = eHH - 1;
                eHHtf = eHH + 12;
                hrs = eHHtf - sHH;
                minS = String.valueOf(min);
            }
            else
            {
                min = eMM - sMM;
                eHHtf = eHH + 12;
                hrs = eHHtf - sHH;
                minS = String.valueOf(min);
            }
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            String name = model.getValueAt(i, 1).toString();
            try {
                Connection conn = DatabaseConnection.getConnection();
                PreparedStatement pst = conn.prepareStatement("select * from staff where Staff_Name = ?");
                pst.setString(1, name);
                ResultSet rs = pst.executeQuery();
                while (rs.next()){
                    int hoursToWork = rs.getInt("Hours");
                    model.setValueAt(hoursToWork, i, 5);
                }
            } catch (Exception e) {
                e.printStackTrace();
            }
            int hours = (int) model.getValueAt(i, 5);
            int oT = hrs - hours;
            String oTS = String.valueOf(oT);
            model.setValueAt(oTS+"h"+" "+minS+"m", i, 6);
        }
    }
    @SuppressWarnings("unchecked")
    private void initComponents() {
        SD_Back = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        jPanel2 = new javax.swing.JPanel();
        jPanel1 = new javax.swing.JPanel();
        AD_HomeP = new javax.swing.JPanel();
        AD_HomeL = new javax.swing.JLabel();
        SD_HomeP1 = new javax.swing.JPanel();
        AD_OrdersP = new javax.swing.JPanel();
        AD_OrdersL = new javax.swing.JLabel();
        AD_InventoryP = new javax.swing.JPanel();
        AD_InventoryL = new javax.swing.JLabel();
        AD_LogoutP = new javax.swing.JPanel();
        AD_LogoutL = new javax.swing.JLabel();
        AD_AccountsP = new javax.swing.JPanel();
        AD_AccountsL = new javax.swing.JLabel();
        AD_StaffP = new javax.swing.JPanel();
        AD_StaffL = new javax.swing.JLabel();
        jPanel3 = new javax.swing.JPanel();
        jScrollPane1 = new javax.swing.JScrollPane();
        AD_OrdersTab = new rojeru_san.complementos.RSTableMetro();
        jLabel3 = new javax.swing.JLabel();
        AD_DateEnteredF = new app.bolivia.swing.JCTextField();
        AD_EnterDateL = new javax.swing.JLabel();
        AD_GetRecsButt = new javax.swing.JButton();
        jScrollPane2 = new javax.swing.JScrollPane();
        AD_DishesTab = new rojeru_san.complementos.RSTableMetro();
        jLabel4 = new javax.swing.JLabel();
        jScrollPane3 = new javax.swing.JScrollPane();
        AD_AttendTab = new rojeru_san.complementos.RSTableMetro();
        jLabel5 = new javax.swing.JLabel();
        jPanel4 = new javax.swing.JPanel();
        jLabel6 = new javax.swing.JLabel();
        jPanel5 = new javax.swing.JPanel();
        AD_TotOrdsL = new javax.swing.JLabel();
        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        getContentPane().setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
        SD_Back.setBackground(new java.awt.Color(255, 204, 204));
        SD_Back.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
        jLabel1.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
        jLabel1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/icons/icons/DF2R.png")));
        SD_Back.add(jLabel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(970, 10, -1, -1));
        jLabel2.setIcon(new javax.swing.ImageIcon(getClass().getResource("/adminIcons/adminIcons/icons8_menu_48px_1.png")));
        SD_Back.add(jLabel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 5, -1, -1));
        jPanel2.setBackground(new java.awt.Color(255, 255, 255));
        javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
        jPanel2.setLayout(jPanel2Layout);
        jPanel2Layout.setHorizontalGroup(
            jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGap(0, 0, Short.MAX_VALUE)
        );
        jPanel2Layout.setVerticalGroup(
            jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGap(0, 50, Short.MAX_VALUE)
        );
        SD_Back.add(jPanel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(75, 0, -1, 50));
        getContentPane().add(SD_Back, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, 1040, 60));
        jPanel1.setBackground(new java.awt.Color(255, 255, 255));
        jPanel1.setBorder(javax.swing.BorderFactory.createMatteBorder(0, 0, 0, 2, new java.awt.Color(0, 0, 0)));
        AD_HomeP.setBackground(new java.awt.Color(204, 204, 255));
        AD_HomeP.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
        AD_HomeL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
        AD_HomeL.setIcon(new javax.swing.ImageIcon(getClass().getResource("/adminIcons/adminIcons/home_24px.png"))); // NOI18N
        AD_HomeL.setText("Home");
        AD_HomeL.setVerticalTextPosition(javax.swing.SwingConstants.TOP);
        AD_HomeP.add(AD_HomeL, new org.netbeans.lib.awtextra.AbsoluteConstraints(6, 6, 90, -1));
        SD_HomeP1.setBackground(new java.awt.Color(255, 102, 102));
        SD_HomeP1.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
        AD_OrdersP.setBackground(new java.awt.Color(255, 255, 255));
        AD_OrdersP.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
        AD_OrdersL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
        AD_OrdersL.setIcon(new javax.swing.ImageIcon(getClass().getResource("/icons/icons/Cupcake_IconR.png"))); // NOI18N
        AD_OrdersL.setText("Orders");
        AD_OrdersL.setVerticalTextPosition(javax.swing.SwingConstants.TOP);
        AD_OrdersL.addMouseListener(new java.awt.event.MouseAdapter() {
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            public void mouseClicked(java.awt.event.MouseEvent evt) {
                AD_OrdersLMouseClicked(evt);
            }
            public void mouseEntered(java.awt.event.MouseEvent evt) {
                AD_OrdersLMouseEntered(evt);
            }
            public void mouseExited(java.awt.event.MouseEvent evt) {
                AD_OrdersLMouseExited(evt);
            }
        });
        AD_OrdersP.add(AD_OrdersL, new org.netbeans.lib.awtextra.AbsoluteConstraints(6, 6, 110, -1));
        AD_InventoryP.setBackground(new java.awt.Color(255, 255, 255));
        AD_InventoryP.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
        AD_InventoryL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
        AD_InventoryL.setIcon(new javax.swing.ImageIcon(getClass().getResource("/icons/icons/BreadR.png"))); // NOI18N
        AD_InventoryL.setText("Inventory");
        AD_InventoryL.setVerticalTextPosition(javax.swing.SwingConstants.TOP);
        AD_InventoryL.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                AD_InventoryLMouseClicked(evt);
            }
            public void mouseEntered(java.awt.event.MouseEvent evt) {
                AD_InventoryLMouseEntered(evt);
            }
            public void mouseExited(java.awt.event.MouseEvent evt) {
                AD_InventoryLMouseExited(evt);
            }
        });
        AD_InventoryP.add(AD_InventoryL, new org.netbeans.lib.awtextra.AbsoluteConstraints(6, 6, 140, -1));
        AD_LogoutP.setBackground(new java.awt.Color(153, 153, 153));
        AD_LogoutP.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
        AD_LogoutL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
        AD_LogoutL.setIcon(new javax.swing.ImageIcon(getClass().getResource("/adminIcons/adminIcons/icons8_Exit_26px_2.png"))); // NOI18N
        AD_LogoutL.setText("Logout");
        AD_LogoutL.setVerticalTextPosition(javax.swing.SwingConstants.TOP);
        AD_LogoutL.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                AD_LogoutLMouseClicked(evt);
            }
        });
        AD_LogoutP.add(AD_LogoutL, new org.netbeans.lib.awtextra.AbsoluteConstraints(6, 6, -1, -1));
        AD_AccountsP.setBackground(new java.awt.Color(255, 255, 255));
        AD_AccountsP.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
        AD_AccountsL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
        AD_AccountsL.setIcon(new javax.swing.ImageIcon(getClass().getResource("/icons/icons/Accounts_IconR.png"))); // NOI18N
        AD_AccountsL.setText("Accounts");
        AD_AccountsL.setVerticalTextPosition(javax.swing.SwingConstants.TOP);
        AD_AccountsL.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                AD_AccountsLMouseClicked(evt);
            }
            public void mouseEntered(java.awt.event.MouseEvent evt) {
                AD_AccountsLMouseEntered(evt);
            }
            public void mouseExited(java.awt.event.MouseEvent evt) {
                AD_AccountsLMouseExited(evt);
            }
        });
        AD_AccountsP.add(AD_AccountsL, new org.netbeans.lib.awtextra.AbsoluteConstraints(6, 6, 140, -1));
        AD_StaffP.setBackground(new java.awt.Color(255, 255, 255));
        AD_StaffP.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
        AD_StaffL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
        AD_StaffL.setIcon(new javax.swing.ImageIcon(getClass().getResource("/adminIcons/adminIcons/icons8_Read_Online_26px.png"))); // NOI18N
        AD_StaffL.setText("Staff");
        AD_StaffL.setVerticalTextPosition(javax.swing.SwingConstants.TOP);
        AD_StaffL.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                AD_StaffLMouseClicked(evt);
            }
            public void mouseEntered(java.awt.event.MouseEvent evt) {
                AD_StaffLMouseEntered(evt);
            }
            public void mouseExited(java.awt.event.MouseEvent evt) {
                AD_StaffLMouseExited(evt);
            }
        });
        AD_StaffP.add(AD_StaffL, new org.netbeans.lib.awtextra.AbsoluteConstraints(6, 6, 140, -1));
        javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
        jPanel1.setLayout(jPanel1Layout);
        jPanel1Layout.setHorizontalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addComponent(AD_OrdersP, javax.swing.GroupLayout.PREFERRED_SIZE, 158, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(SD_HomeP1, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addGap(130, 130, 130))
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addComponent(AD_HomeP, javax.swing.GroupLayout.PREFERRED_SIZE, 158, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(0, 0, Short.MAX_VALUE))
            .addGroup(jPanel1Layout.createSequentialGroup()                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(AD_InventoryP, javax.swing.GroupLayout.PREFERRED_SIZE, 158, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(AD_LogoutP, javax.swing.GroupLayout.PREFERRED_SIZE, 158, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(AD_AccountsP, javax.swing.GroupLayout.PREFERRED_SIZE, 158, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(AD_StaffP, javax.swing.GroupLayout.PREFERRED_SIZE, 158, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)));
        jPanel1Layout.setVerticalGroup(
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                jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel1Layout.createSequentialGroup()
                        .addGap(24, 24, 24)
                        .addComponent(AD_HomeP, javax.swing.GroupLayout.PREFERRED_SIZE, 50, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addGap(55, 55, 55)
                        .addComponent(SD_HomeP1, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addGap(41, 41, 41))
                    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel1Layout.createSequentialGroup()
                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                        .addComponent(AD_OrdersP, javax.swing.GroupLayout.PREFERRED_SIZE, 50, javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addGap(18, 18, 18)))
                    .addComponent(AD_InventoryP, javax.swing.GroupLayout.PREFERRED_SIZE, 50, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(18, 18, 18)
                    .addComponent(AD_AccountsP, javax.swing.GroupLayout.PREFERRED_SIZE, 50, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(30, 30, 30)
                    .addComponent(AD_StaffP, javax.swing.GroupLayout.PREFERRED_SIZE, 50, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(70, 70, 70)
                    .addComponent(AD_LogoutP, javax.swing.GroupLayout.PREFERRED_SIZE, 50, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(62, 62, 62)));
        getContentPane().add(jPanel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 60, 160, 560));
        jPanel3.setBackground(new java.awt.Color(255, 255, 255));
        AD_OrdersTab.setModel(new javax.swing.table.DefaultTableModel(
            new Object [][] {},
            new String [] {
                "ID", "Customer Name", "Contact", "Item", "Quantity", "Amount", "Time Due", "Status"}));
        AD_OrdersTab.setColorBackgoundHead(new java.awt.Color(255, 204, 204));
        AD_OrdersTab.setColorFilasBackgound2(new java.awt.Color(255, 255, 255));
        AD_OrdersTab.setColorFilasForeground1(new java.awt.Color(153, 153, 153));
        AD_OrdersTab.setColorFilasForeground2(new java.awt.Color(153, 153, 153));
        AD_OrdersTab.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N
        AD_OrdersTab.setFuenteFilas(new java.awt.Font("Tahoma", 1, 10)); // NOI18N
        AD_OrdersTab.setFuenteFilasSelect(new java.awt.Font("Tahoma", 1, 10)); // NOI18N
        AD_OrdersTab.setFuenteHead(new java.awt.Font("Tahoma", 0, 12)); // NOI18N
        AD_OrdersTab.setRowHeight(25);
        jScrollPane1.setViewportView(AD_OrdersTab);
        if (AD_OrdersTab.getColumnModel().getColumnCount() > 0) {
            AD_OrdersTab.getColumnModel().getColumn(0).setPreferredWidth(15);
            AD_OrdersTab.getColumnModel().getColumn(2).setPreferredWidth(40);
            AD_OrdersTab.getColumnModel().getColumn(4).setPreferredWidth(30);
            AD_OrdersTab.getColumnModel().getColumn(5).setPreferredWidth(35);
            AD_OrdersTab.getColumnModel().getColumn(6).setPreferredWidth(45);
            AD_OrdersTab.getColumnModel().getColumn(7).setPreferredWidth(50);
        }
        jLabel3.setFont(new java.awt.Font("SimSun", 1, 18)); // NOI18N
        jLabel3.setText("Today's Orders:");
        AD_DateEnteredF.setBorder(javax.swing.BorderFactory.createMatteBorder(0, 0, 2, 2, new java.awt.Color(0, 0, 0)));
        AD_DateEnteredF.setPlaceholder("    DD/MM/YY");
        AD_DateEnteredF.addFocusListener(new java.awt.event.FocusAdapter() {
            public void focusLost(java.awt.event.FocusEvent evt) {
                AD_DateEnteredFFocusLost(evt);
            }});
        AD_EnterDateL.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
        AD_EnterDateL.setText("Enter Date");
        AD_GetRecsButt.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
        AD_GetRecsButt.setText("Get Records");
        AD_GetRecsButt.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                AD_GetRecsButtActionPerformed(evt);
            }});
        AD_DishesTab.setModel(new javax.swing.table.DefaultTableModel(
            new Object [][] {},
            new String [] {
                "ID", "Customer Name", "Contact", "Item", "Quantity"
            }));
        AD_DishesTab.setColorBackgoundHead(new java.awt.Color(255, 204, 204));
        AD_DishesTab.setColorFilasBackgound2(new java.awt.Color(255, 255, 255));
        AD_DishesTab.setColorFilasForeground1(new java.awt.Color(153, 153, 153));
        AD_DishesTab.setColorFilasForeground2(new java.awt.Color(153, 153, 153));
        AD_DishesTab.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N
        AD_DishesTab.setFuenteFilas(new java.awt.Font("Tahoma", 1, 10)); // NOI18N
        AD_DishesTab.setFuenteFilasSelect(new java.awt.Font("Tahoma", 1, 10)); // NOI18N
        AD_DishesTab.setFuenteHead(new java.awt.Font("Tahoma", 0, 12)); // NOI18N
        AD_DishesTab.setRowHeight(25);
        jScrollPane2.setViewportView(AD_DishesTab);
        if (AD_DishesTab.getColumnModel().getColumnCount() > 0) {
            AD_DishesTab.getColumnModel().getColumn(0).setPreferredWidth(15);
            AD_DishesTab.getColumnModel().getColumn(2).setPreferredWidth(40);
            AD_DishesTab.getColumnModel().getColumn(4).setPreferredWidth(30);
        }
        jLabel4.setFont(new java.awt.Font("SimSun", 1, 18)); // NOI18N
        jLabel4.setText("Dishes:");
        AD_AttendTab.setModel(new javax.swing.table.DefaultTableModel(
            new Object [][] {},
            new String [] {
                "ID", "Saff Name", "Working?", "Time Started", "Time Ended", "Hours", "Overtime"
            }) {
            Class[] types = new Class [] {
                java.lang.Object.class, java.lang.Object.class, java.lang.Object.class, java.lang.Object.class, java.lang.Object.class, java.lang.Integer.class, java.lang.String.class
            };
            public Class getColumnClass(int columnIndex) {
                return types [columnIndex];
            }});
        AD_AttendTab.setColorBackgoundHead(new java.awt.Color(255, 204, 204));
        AD_AttendTab.setColorFilasBackgound2(new java.awt.Color(255, 255, 255));
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                AD_AttendTab.setColorFilasForeground1(new java.awt.Color(153, 153, 153));
                AD_AttendTab.setColorFilasForeground2(new java.awt.Color(153, 153, 153));
                AD_AttendTab.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N
                AD_AttendTab.setFuenteFilas(new java.awt.Font("Tahoma", 1, 10)); // NOI18N
                AD_AttendTab.setFuenteFilasSelect(new java.awt.Font("Tahoma", 1, 10)); // NOI18N
                AD_AttendTab.setFuenteHead(new java.awt.Font("Tahoma", 0, 12)); // NOI18N
                AD_AttendTab.setRowHeight(25);
                AD_AttendTab.addMouseListener(new java.awt.event.MouseAdapter() {
                    public void mouseClicked(java.awt.event.MouseEvent evt) {
                        AD_AttendTabMouseClicked(evt);
                    }
                });
                jScrollPane3.setViewportView(AD_AttendTab);
                if (AD_AttendTab.getColumnModel().getColumnCount() > 0) {
                    AD_AttendTab.getColumnModel().getColumn(0).setPreferredWidth(20);
                    AD_AttendTab.getColumnModel().getColumn(5).setMinWidth(0);
                    AD_AttendTab.getColumnModel().getColumn(5).setPreferredWidth(0);
                    AD_AttendTab.getColumnModel().getColumn(5).setMaxWidth(0);
                }
                jLabel5.setFont(new java.awt.Font("SimSun", 1, 18)); // NOI18N
                jLabel5.setText("Attendance:");
                jPanel4.setBackground(new java.awt.Color(204, 102, 255));
                jLabel6.setFont(new java.awt.Font("SimSun", 1, 18)); // NOI18N
                jLabel6.setForeground(new java.awt.Color(255, 255, 255));
                jLabel6.setText("Total Orders");
                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(53, 53, 53)
                        .addComponent(jLabel6)
                        .addContainerGap(63, Short.MAX_VALUE)));
                jPanel4Layout.setVerticalGroup(
                    jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(jPanel4Layout.createSequentialGroup()
                        .addContainerGap()
                        .addComponent(jLabel6)
                        .addContainerGap(16, Short.MAX_VALUE)));
                jPanel5.setBackground(new java.awt.Color(204, 153, 255));
                AD_TotOrdsL.setFont(new java.awt.Font("SimSun", 1, 48)); // NOI18N
                AD_TotOrdsL.setForeground(new java.awt.Color(255, 255, 255));
                AD_TotOrdsL.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
                AD_TotOrdsL.setText("Number");
                AD_TotOrdsL.setHorizontalTextPosition(javax.swing.SwingConstants.CENTER);
                AD_TotOrdsL.setInheritsPopupMenu(false);
                javax.swing.GroupLayout jPanel5Layout = new javax.swing.GroupLayout(jPanel5);
                jPanel5.setLayout(jPanel5Layout);
                jPanel5Layout.setHorizontalGroup(
                    jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel5Layout.createSequentialGroup()
                        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                        .addComponent(AD_TotOrdsL)
                        .addGap(36, 36, 36)));
                jPanel5Layout.setVerticalGroup(
                    jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(jPanel5Layout.createSequentialGroup()
                        .addGap(56, 56, 56)
                        .addComponent(AD_TotOrdsL)
                        .addContainerGap(70, Short.MAX_VALUE)));
                javax.swing.GroupLayout jPanel3Layout = new javax.swing.GroupLayout(jPanel3);
                jPanel3.setLayout(jPanel3Layout);
                jPanel3Layout.setHorizontalGroup(
                    jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel3Layout.createSequentialGroup()
        .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                        .addGroup(jPanel3Layout.createSequentialGroup()
                            .addContainerGap()
                            .addComponent(jScrollPane2, javax.swing.GroupLayout.PREFERRED_SIZE, 423, javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addGap(18, 18, 18)
                            .addComponent(jScrollPane3, javax.swing.GroupLayout.PREFERRED_SIZE, 0, Short.MAX_VALUE))
                        .addGroup(jPanel3Layout.createSequentialGroup()                         .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                            .addGroup(jPanel3Layout.createSequentialGroup()
                                .addGap(61, 61, 61)
                                .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 242, javax.swing.GroupLayout.PREFERRED_SIZE))
                            .addGroup(jPanel3Layout.createSequentialGroup()
                                .addGap(53, 53, 53)
                                .addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED_SIZE, 104, javax.swing.GroupLayout.PREFERRED_SIZE)
                                .addGap(300, 300, 300)
                                .addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED_SIZE, 158, javax.swing.GroupLayout.PREFERRED_SIZE))
                            .addGroup(jPanel3Layout.createSequentialGroup()
                                .addGap(16, 16, 16)
                                .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 591, javax.swing.GroupLayout.PREFERRED_SIZE)))
                            .addGap(18, 18, Short.MAX_VALUE)                         .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                        .addGroup(jPanel3Layout.createSequentialGroup()
                            .addComponent(AD_EnterDateL)
                            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                .addComponent(AD_GetRecsButt)
                                .addComponent(AD_DateEnteredF, javax.swing.GroupLayout.PREFERRED_SIZE, 147, javax.swing.GroupLayout.PREFERRED_SIZE)))
                            .addComponent(jPanel4, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                            .addComponent(jPanel5, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))))
                        .addGap(149, 149, 149)));
                jPanel3Layout.setVerticalGroup(
                    jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(jPanel3Layout.createSequentialGroup()
                        .addContainerGap()
                        .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
```

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                    .addComponent(AD_DateEnteredF, javax.swing.GroupLayout.PREFERRED_SIZE, 23, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(AD_EnterDateL)
                    .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 36, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(4, 4, 4)            .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(jPanel3Layout.createSequentialGroup()
                        .addComponent(AD_GetRecsButt)
                        .addGap(18, 18, 18)
                        .addComponent(jPanel4, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                        .addComponent(jPanel5, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 249, javax.swing.GroupLayout.PREFERRED_SIZE))
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED_SIZE, 18, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED_SIZE, 18, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                    .addComponent(jScrollPane3, javax.swing.GroupLayout.PREFERRED_SIZE, 0, Short.MAX_VALUE)
                    .addComponent(jScrollPane2, javax.swing.GroupLayout.DEFAULT_SIZE, 197, Short.MAX_VALUE))
                .addGap(45, 45, 45)) );
        getContentPane().add(jPanel3, new org.netbeans.lib.awtextra.AbsoluteConstraints(160, 60, 880, 560));
        setSize(new java.awt.Dimension(1054, 650));
        setLocationRelativeTo(null);
    }
    private void AD_LogoutLMouseClicked(java.awt.event.MouseEvent evt) {
        Login_Page pg = new Login_Page();
        pg.setVisible(true);
        this.dispose();
    }
    private void AD_OrdersLMouseClicked(java.awt.event.MouseEvent evt) {
        Admin_Orders ao = new Admin_Orders();
        ao.setVisible(true);
        this.dispose();
    }
    private void AD_InventoryLMouseClicked(java.awt.event.MouseEvent evt) {
        Admin_Inventory ai = new Admin_Inventory();
        ai.setVisible(true);
        this.dispose();
    }
    private void AD_AccountsLMouseClicked(java.awt.event.MouseEvent evt) {
        Admin_Accounts aa = new Admin_Accounts();
        aa.setVisible(true);
        this.dispose();
    }
    private void AD_StaffLMouseClicked(java.awt.event.MouseEvent evt) {
        Admin_Staff as = new Admin_Staff();
        as.setVisible(true);
        this.dispose();
    }
    private void AD_GetRecsButtActionPerformed(java.awt.event.ActionEvent evt) {
        DefaultTableModel modelOD = (DefaultTableModel) AD_OrdersTab.getModel();
        DefaultTableModel modelSA = (DefaultTableModel) AD_AttendTab.getModel();
        clearTable(modelOD);
        clearTable(modelSA);
        setODToTable();
        setSAToTable();
        calcOT();
    }
    private void AD_OrdersLMouseEntered(java.awt.event.MouseEvent evt) {
        AD_OrdersP.setBackground(mouseEnterColor);
    }
    private void AD_OrdersLMouseExited(java.awt.event.MouseEvent evt) {
        AD_OrdersP.setBackground(mouseExitColor);
    }
    private void AD_InventoryLMouseEntered(java.awt.event.MouseEvent evt) {
        AD_InventoryP.setBackground(mouseEnterColor);
    }
    private void AD_InventoryLMouseExited(java.awt.event.MouseEvent evt) {
        AD_InventoryP.setBackground(mouseExitColor);
    }
    private void AD_AccountsLMouseEntered(java.awt.event.MouseEvent evt) {
        AD_AccountsP.setBackground(mouseEnterColor);
    }
    private void AD_AccountsLMouseExited(java.awt.event.MouseEvent evt) {
        AD_AccountsP.setBackground(mouseExitColor);
    }
    private void AD_StaffLMouseEntered(java.awt.event.MouseEvent evt) {
        AD_StaffP.setBackground(mouseEnterColor);
    }
    private void AD_StaffLMouseExited(java.awt.event.MouseEvent evt) {
        AD_StaffP.setBackground(mouseExitColor);
    }
    private void AD_DateEnteredFFocusLost(java.awt.event.FocusEvent evt) {
        if (!AD_DateEnteredF.getText().trim().equals(""))
        {
            if (checkDate() != true)
            {
                JOptionPane.showMessageDialog(this, "Invalid Date");
            }
        }
    }
    public static void main(String args[]) {
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {
                    javax.swing.UIManager.setLookAndFeel(info.getClassName());
                    break;
```

```java
                }
            }
        } catch (ClassNotFoundException ex) {             java.util.logging.Logger.getLogger(Admin_Dashboard.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {             java.util.logging.Logger.getLogger(Admin_Dashboard.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {             java.util.logging.Logger.getLogger(Admin_Dashboard.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {             java.util.logging.Logger.getLogger(Admin_Dashboard.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        }
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new Admin_Dashboard().setVisible(true);
            }
        });
    }
    private javax.swing.JLabel AD_AccountsL;
    private javax.swing.JPanel AD_AccountsP;
    private rojeru_san.complementos.RSTableMetro AD_AttendTab;
    private app.bolivia.swing.JCTextField AD_DateEnteredF;
    private rojeru_san.complementos.RSTableMetro AD_DishesTab;
    private javax.swing.JLabel AD_EnterDateL;
    private javax.swing.JButton AD_GetRecsButt;
    private javax.swing.JLabel AD_HomeL;
    private javax.swing.JPanel AD_HomeP;
    private javax.swing.JLabel AD_InventoryL;
    private javax.swing.JPanel AD_InventoryP;
    private javax.swing.JLabel AD_LogoutL;
    private javax.swing.JPanel AD_LogoutP;
    private javax.swing.JLabel AD_OrdersL;
    private javax.swing.JPanel AD_OrdersP;
    private rojeru_san.complementos.RSTableMetro AD_OrdersTab;
    private javax.swing.JLabel AD_StaffL;
    private javax.swing.JPanel AD_StaffP;
    private javax.swing.JLabel AD_TotOrdsL;
    private javax.swing.JPanel SD_Back;
    private javax.swing.JPanel SD_HomeP1;
    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 jPanel5;
    private javax.swing.JScrollPane jScrollPane1;
    private javax.swing.JScrollPane jScrollPane2;
    private javax.swing.JScrollPane jScrollPane3;
}
```

Admin Orders

```java
import java.awt.Color;
import java.sql.*;
import javax.swing.ButtonGroup;
import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;
import javax.swing.table.TableModel;
public class Admin_Orders extends javax.swing.JFrame {
    private String cus_name, cus_cont, item, date, time, status, dish;
    private int Order_ID, quantity;
    private float amount;
    private DefaultTableModel model;
    Color mouseEnterColor = new Color(225,225,225);
    Color mouseExitColor = new Color(255,255,255);
    public Admin_Orders() {
        initComponents();

        ButtonGroup bg = new ButtonGroup();
        bg.add(AO_YesRB);
        bg.add(AO_NoRB);
    }
    //Method to set order details to table
    public void setODToTable(String chosenMonth){
        try {
            Connection conn = DatabaseConnection.getConnection();
            PreparedStatement pst = conn.prepareStatement("select * from orders_details where Month = ?");
            pst.setString(1, chosenMonth);
            ResultSet rs = pst.executeQuery();
            while(rs.next()){
                String orderID = rs.getString("Order_ID");
                String cusName = rs.getString("Customer_Name");
                String cusCont = rs.getString("Customer_Contact");
                String itemName = rs.getString("Item");
                int quan = rs.getInt("Quantity");
                float amountDue = rs.getFloat("Amount_Due");
                String deliveryDate = rs.getString("Delivery_Date");
                String deliveryTime = rs.getString("Delivery_Time");
                String dishBool = rs.getString("Dish");
                String stat = rs.getString("Stat");
                Object[] obj = {orderID, cusName, cusCont, itemName, quan, amountDue, deliveryDate, deliveryTime, dishBool, stat};
                model = (DefaultTableModel) AO_OrdersTab.getModel();
                model.addRow(obj);
            }
        } catch (Exception e) {
            e.printStackTrace();
```

```java
        }
    }
    //Method to add order
    public void addOrder() {
        cus_name = AO_CusNameF.getText();
        cus_cont = AO_CusContF.getText();
        item = AO_ItemF.getText();
        quantity = Integer.parseInt(AO_QuantityF.getText());
        amount = Float.parseFloat(AO_AmountF.getText());
        date = AO_DateF.getText();
        time = AO_TimeF.getText();
        if (AO_YesRB.isSelected())
        {
            dish = "Yes";
        }
        else if(AO_NoRB.isSelected())
        {
            dish = "No";
        }
        status = AO_StatusCB.getSelectedItem().toString();
        //Getting month
        String month;
        String[] arrDate = date.split("/");
        String monthNum = arrDate[1];
        //System.out.println(monthNum);
        switch (monthNum) {
            case "01":
                month = "January";
                break;
            case "02":
                month = "February";
                break;
            case "03":
                month = "March";
                break;
            case "04":
                month = "April";
                break;
            case "05":
                month = "May";
                break;
            case "06":
                month = "June";
                break;
            case "07":
                month = "July";
                break;
            case "08":
                month = "August";
                break;
            case "09":
                month = "September";
                break;
            case "10":
                month = "October";
                break;
            case "11":
                month = "November";
                break;
            default:
                month = "December";
                break;
        }
        try {
            Connection conn = DatabaseConnection.getConnection();
            String sql = "insert into orders_details(Customer_Name, Customer_Contact, Item, Quantity, Amount_Due, Delivery_Date, Delivery_Time, Dish, Stat, Month)
values(?,?,?,?,?,?,?,?,?,?)";
            PreparedStatement pst = conn.prepareStatement(sql);
            pst.setString(1, cus_name);
            pst.setString(2, cus_cont);
            pst.setString(3, item);
            pst.setInt(4, quantity);
            pst.setFloat(5, amount);
            pst.setString(6, date);
            pst.setString(7, time);
            pst.setString(8, dish);
            pst.setString(9, status);
            pst.setString(10, month);
            int rowCOunt = pst.executeUpdate();
            if (rowCOunt > 0)
            {
                JOptionPane.showMessageDialog(this, "Order Added");
            }
        } catch (Exception e) {
            e.printStackTrace();
        }
    }
    //Method to clear table
    public void clearTable(){
        model = (DefaultTableModel) AO_OrdersTab.getModel();
        model.setRowCount(0);
    }
    //Method to update order
    public void updateOrder(){
        Order_ID = Integer.parseInt(AO_OrderIDF.getText());
        cus_name = AO_CusNameF.getText();
        cus_cont = AO_CusContF.getText();
```

```java
        item = AO_ItemF.getText();
        quantity = Integer.parseInt(AO_QuantityF.getText());
        amount = Float.parseFloat(AO_AmountF.getText());
        date = AO_DateF.getText();
        time = AO_TimeF.getText();
        if (AO_YesRB.isSelected())
        {
            dish = "Yes";
        }
        else if(AO_NoRB.isSelected())
        {
            dish = "No";
        }
        status = AO_StatusCB.getSelectedItem().toString();
        try {
            Connection conn = DatabaseConnection.getConnection();
            String sql = "update orders_details set Customer_Name = ?, Customer_Contact = ?, Item = ?, Quantity = ?, Amount_Due = ?, Delivery_Date = ?, Delivery_Time = ?, Dish = ?, Stat
= ? where Order_ID = ?";
            PreparedStatement pst = conn.prepareStatement(sql);
            pst.setString(1, cus_name);
            pst.setString(2, cus_cont);
            pst.setString(3, item);
            pst.setInt(4, quantity);
            pst.setFloat(5, amount);
            pst.setString(6, date);
            pst.setString(7, time);
            pst.setString(8, dish);
            pst.setString(9, status);
            pst.setInt(10, Order_ID);
            int rowCount = pst.executeUpdate();
            if (rowCount > 0)
            {
                JOptionPane.showMessageDialog(this, "Order Updated");
            }
        } catch (Exception e) {
            e.printStackTrace();
        }
    }
    //Method to delete order
    public boolean deleteOrder(){
        boolean deleted = false;
        Order_ID = Integer.parseInt(AO_OrderIDF.getText());
        try {
            Connection conn = DatabaseConnection.getConnection();
            String sql = "delete from orders_details where Order_ID = ?";
            PreparedStatement pst = conn.prepareStatement(sql);
            pst.setInt(1, Order_ID);
            int count = pst.executeUpdate();
            if (count > 0)
            {
                deleted = true;
            }
        } catch (Exception e) {
            e.printStackTrace();
        }
        return deleted;
    }
    //Method to check date
    public boolean checkDate(){
        boolean valid = false;
        date = AO_DateF.getText();
        if (date.length() == 8)
        {
            String[] arrDate = date.split("/");
            if (arrDate.length == 3)
            {
                int day = Integer.parseInt(arrDate[0]);
                int month = Integer.parseInt(arrDate[1]);
                if (day <= 31 && month <= 12)
                {
                    valid = true;
                }
            }
        }
        return valid;
    }
    //Method to check time
    public boolean checkTime(){
        boolean valid = false;
        time = AO_TimeF.getText();
        if (time.length() == 8)
        {
            String[] arrSpaTim = time.split(" ");
            String per = arrSpaTim[1];
            String[] arrTime = arrSpaTim[0].split(":");
            int hour = Integer.parseInt(arrTime[0]);
            int min = Integer.parseInt(arrTime[1]);
            if (per.equals("am") || per.equals("pm"))
            {
                if (hour <= 12 && min < 60)
                {
                    valid = true;
                }
            }
        }
        return valid;
    }
```

```java
    //Method to check phone number
    public boolean checkNumber()
    {
        cus_cont = AO_CusContF.getText();
        boolean valid = false;
        char[] num = {'0', '1', '2', '3', '4','5','6','7','8','9'};
        int count = 0;
        if (cus_cont.length()==10)
        {
            for (int i = 0; i < 10; i++)
            {
                for (int j = 0; j < 10; j++)
                {
                    if (cus_cont.charAt(i)==(num[j]))
                    {
                        count++;
                    }
                }
            }
            if (count == 10)
            {
                valid = true;
            }
        }
        return valid;
    }

    //Method to check if all information is entered
    public boolean checkFields()
    {
        cus_name = AO_CusNameF.getText();
        cus_cont = AO_CusContF.getText();
        item = AO_ItemF.getText();
        String quant = AO_QuantityF.getText();
        String amo = AO_AmountF.getText();
        date = AO_DateF.getText();
        time = AO_TimeF.getText();
        status = AO_StatusCB.getSelectedItem().toString();
        if(cus_name.trim().equals("") || cus_cont.trim().equals("") || item.trim().equals("") || quant.trim().equals("") || amo.trim().equals("")|| date.trim().equals("")|| time.trim().equals("")||
status.trim().equals(""))
        {
            JOptionPane.showMessageDialog(this, "Enter all information");
            return false;
        }
        if (!AO_YesRB.isSelected() & !AO_NoRB.isSelected())
        {
            JOptionPane.showMessageDialog(this, "Select a designation.");
            return false;
        }
        else
        {
            return true;
        }
    }
    @SuppressWarnings("unchecked")
    private void initComponents() {
        SD_Back = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        jPanel2 = new javax.swing.JPanel();
        jPanel1 = new javax.swing.JPanel();
        AO_HomeP = new javax.swing.JPanel();
        AO_HomeL = new javax.swing.JLabel();
        SD_HomeP1 = new javax.swing.JPanel();
        AO_OrdersP = new javax.swing.JPanel();
        AO_OrdersL = new javax.swing.JLabel();
        AO_InventoryP = new javax.swing.JPanel();
        AO_InventoryL = new javax.swing.JLabel();
        AD_LogoutP = new javax.swing.JPanel();
        AO_LogoutL = new javax.swing.JLabel();
        AO_AccountsP = new javax.swing.JPanel();
        AO_AccountsL = new javax.swing.JLabel();
        AO_StaffP = new javax.swing.JPanel();
        AO_StaffL = new javax.swing.JLabel();
        jPanel3 = new javax.swing.JPanel();
        AO_CusNameL = new javax.swing.JLabel();
        AO_CusNameF = new app.bolivia.swing.JCTextField();
        AO_CusContL = new javax.swing.JLabel();
        AO_CusContF = new app.bolivia.swing.JCTextField();
        AO_ItemL = new javax.swing.JLabel();
        AO_ItemF = new app.bolivia.swing.JCTextField();
        AO_QuantityL = new javax.swing.JLabel();
        AO_QuantityF = new app.bolivia.swing.JCTextField();
        AO_AmountL = new javax.swing.JLabel();
        AO_AmountF = new app.bolivia.swing.JCTextField();
        AO_DateL = new javax.swing.JLabel();
        AO_DateF = new app.bolivia.swing.JCTextField();
        AO_TimeL = new javax.swing.JLabel();
        AO_AddButt = new javax.swing.JButton();
        AO_UpdateButt = new javax.swing.JButton();
        AO_DeleteButt = new javax.swing.JButton();
        AO_DishL = new javax.swing.JLabel();
        jScrollPane1 = new javax.swing.JScrollPane();
        AO_OrdersTab = new rojeru_san.complementos.RSTableMetro();
        AO_OrderIDF = new app.bolivia.swing.JCTextField();
        AO_OrderIDL = new javax.swing.JLabel();
        AO_SBML = new javax.swing.JLabel();
```

```java
AO_GetOrdersButt = new javax.swing.JButton();
AO_TimeF = new app.bolivia.swing.JCTextField();
AO_StatusL = new javax.swing.JLabel();
AO_YesRB = new javax.swing.JRadioButton();
AO_NoRB = new javax.swing.JRadioButton();
AO_MonthCB = new javax.swing.JComboBox<>();
AO_StatusCB = new javax.swing.JComboBox<>();
setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
getContentPane().setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
SD_Back.setBackground(new java.awt.Color(255, 204, 204));
SD_Back.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
jLabel1.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
jLabel1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/icons/icons/DF2R.png")));
SD_Back.add(jLabel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(970, 10, -1, -1));
jLabel2.setIcon(new javax.swing.ImageIcon(getClass().getResource("/adminIcons/adminIcons/icons8_menu_48px_1.png"))); // NOI18N
SD_Back.add(jLabel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 5, -1, -1));
jPanel2.setBackground(new java.awt.Color(255, 255, 255));
javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
jPanel2.setLayout(jPanel2Layout);
jPanel2Layout.setHorizontalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGap(0, 0, Short.MAX_VALUE)
);
jPanel2Layout.setVerticalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGap(0, 50, Short.MAX_VALUE)
);
SD_Back.add(jPanel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(75, 0, -1, 50));
getContentPane().add(SD_Back, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, 1040, 60));
jPanel1.setBackground(new java.awt.Color(255, 255, 255));
jPanel1.setBorder(javax.swing.BorderFactory.createMatteBorder(0, 0, 0, 2, new java.awt.Color(0, 0, 0)));
jPanel1.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
AO_HomeP.setBackground(new java.awt.Color(255, 255, 255));
AO_HomeP.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
AO_HomeL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
AO_HomeL.setIcon(new javax.swing.ImageIcon(getClass().getResource("/adminIcons/adminIcons/home_24px.png"))); // NOI18N
AO_HomeL.setText("Home");
AO_HomeL.setVerticalTextPosition(javax.swing.SwingConstants.TOP);
AO_HomeL.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        AO_HomeLMouseClicked(evt);
    }
    public void mouseEntered(java.awt.event.MouseEvent evt) {
        AO_HomeLMouseEntered(evt);
    }
    public void mouseExited(java.awt.event.MouseEvent evt) {
        AO_HomeLMouseExited(evt);
    }
});
AO_HomeP.add(AO_HomeL, new org.netbeans.lib.awtextra.AbsoluteConstraints(6, 6, 90, -1));
jPanel1.add(AO_HomeP, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 24, 158, 50));
SD_HomeP1.setBackground(new java.awt.Color(255, 102, 102));
SD_HomeP1.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
jPanel1.add(SD_HomeP1, new org.netbeans.lib.awtextra.AbsoluteConstraints(164, 129, -1, -1));
AO_OrdersP.setBackground(new java.awt.Color(204, 204, 255));
AO_OrdersP.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
AO_OrdersL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
AO_OrdersL.setIcon(new javax.swing.ImageIcon(getClass().getResource("/icons/icons/Cupcake_IconR.png"))); // NOI18N
AO_OrdersL.setText("Orders");
AO_OrdersL.setVerticalTextPosition(javax.swing.SwingConstants.TOP);
AO_OrdersP.add(AO_OrdersL, new org.netbeans.lib.awtextra.AbsoluteConstraints(6, 6, 110, -1));
jPanel1.add(AO_OrdersP, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 86, 158, 50));
AO_InventoryP.setBackground(new java.awt.Color(255, 255, 255));
AO_InventoryP.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
AO_InventoryL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
AO_InventoryL.setIcon(new javax.swing.ImageIcon(getClass().getResource("/icons/icons/BreadR.png"))); // NOI18N
AO_InventoryL.setText("Inventory");
AO_InventoryL.setVerticalTextPosition(javax.swing.SwingConstants.TOP);
AO_InventoryL.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        AO_InventoryLMouseClicked(evt);
    }
    public void mouseEntered(java.awt.event.MouseEvent evt) {
        AO_InventoryLMouseEntered(evt);
    }
    public void mouseExited(java.awt.event.MouseEvent evt) {
        AO_InventoryLMouseExited(evt);
    }
});
AO_InventoryP.add(AO_InventoryL, new org.netbeans.lib.awtextra.AbsoluteConstraints(6, 6, 140, -1));
jPanel1.add(AO_InventoryP, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 148, 158, 50));
AD_LogoutP.setBackground(new java.awt.Color(153, 153, 153));
AD_LogoutP.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
AO_LogoutL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
AO_LogoutL.setIcon(new javax.swing.ImageIcon(getClass().getResource("/adminIcons/adminIcons/icons8_Exit_26px_2.png"))); // NOI18N
AO_LogoutL.setText("Logout");
AO_LogoutL.setVerticalTextPosition(javax.swing.SwingConstants.TOP);
AO_LogoutL.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        AO_LogoutLMouseClicked(evt);
    }
});
AD_LogoutP.add(AO_LogoutL, new org.netbeans.lib.awtextra.AbsoluteConstraints(6, 6, -1, -1));
jPanel1.add(AD_LogoutP, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 371, 158, 50));
AO_AccountsP.setBackground(new java.awt.Color(255, 255, 255));
AO_AccountsP.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
```

```java
AO_AccountsL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
AO_AccountsL.setIcon(new javax.swing.ImageIcon(getClass().getResource("/icons/icons/Accounts_IconR.png"))); // NOI18N
AO_AccountsL.setText("Accounts");
AO_AccountsL.setVerticalTextPosition(javax.swing.SwingConstants.TOP);
AO_AccountsL.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        AO_AccountsLMouseClicked(evt);
    }
    public void mouseEntered(java.awt.event.MouseEvent evt) {
        AO_AccountsLMouseEntered(evt);
    }
    public void mouseExited(java.awt.event.MouseEvent evt) {
        AO_AccountsLMouseExited(evt);
    }
});
AO_AccountsP.add(AO_AccountsL, new org.netbeans.lib.awtextra.AbsoluteConstraints(6, 6, 140, -1));
jPanel1.add(AO_AccountsP, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 210, 158, 50));
AO_StaffP.setBackground(new java.awt.Color(255, 255, 255));
AO_StaffP.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
AO_StaffL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
AO_StaffL.setIcon(new javax.swing.ImageIcon(getClass().getResource("/adminIcons/adminIcons/icons8_Read_Online_26px.png"))); // NOI18N
AO_StaffL.setText("Staff");
AO_StaffL.setVerticalTextPosition(javax.swing.SwingConstants.TOP);
AO_StaffL.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        AO_StaffLMouseClicked(evt);
    }
    public void mouseEntered(java.awt.event.MouseEvent evt) {
        AO_StaffLMouseEntered(evt);
    }
    public void mouseExited(java.awt.event.MouseEvent evt) {
        AO_StaffLMouseExited(evt);
    }
});
AO_StaffP.add(AO_StaffL, new org.netbeans.lib.awtextra.AbsoluteConstraints(6, 6, 140, -1));
jPanel1.add(AO_StaffP, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 272, 158, 50));
getContentPane().add(jPanel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 60, 160, 450));
jPanel3.setBackground(new java.awt.Color(255, 255, 255));
jPanel3.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
AO_CusNameL.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
AO_CusNameL.setText("Customer Name");
jPanel3.add(AO_CusNameL, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 60, -1, -1));
AO_CusNameF.setBorder(javax.swing.BorderFactory.createMatteBorder(0, 0, 1, 0, new java.awt.Color(0, 0, 0)));
jPanel3.add(AO_CusNameF, new org.netbeans.lib.awtextra.AbsoluteConstraints(150, 50, 115, 25));
AO_CusContL.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
AO_CusContL.setText("Customer Conatact");
jPanel3.add(AO_CusContL, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 100, -1, -1));
AO_CusContF.setBorder(javax.swing.BorderFactory.createMatteBorder(0, 0, 1, 0, new java.awt.Color(0, 0, 0)));
AO_CusContF.addFocusListener(new java.awt.event.FocusAdapter() {
    public void focusLost(java.awt.event.FocusEvent evt) {
        AO_CusContFFocusLost(evt);
    }
});
jPanel3.add(AO_CusContF, new org.netbeans.lib.awtextra.AbsoluteConstraints(150, 90, 115, 25));
AO_ItemL.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
AO_ItemL.setText("Item");
jPanel3.add(AO_ItemL, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 140, -1, -1));
AO_ItemF.setBorder(javax.swing.BorderFactory.createMatteBorder(0, 0, 1, 0, new java.awt.Color(0, 0, 0)));
jPanel3.add(AO_ItemF, new org.netbeans.lib.awtextra.AbsoluteConstraints(150, 130, 115, 25));
AO_QuantityL.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
AO_QuantityL.setText("Quantity");
jPanel3.add(AO_QuantityL, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 180, -1, -1));
AO_QuantityF.setBorder(javax.swing.BorderFactory.createMatteBorder(0, 0, 1, 0, new java.awt.Color(0, 0, 0)));
jPanel3.add(AO_QuantityF, new org.netbeans.lib.awtextra.AbsoluteConstraints(150, 170, 115, 25));
AO_AmountL.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
AO_AmountL.setText("Amount Due");
jPanel3.add(AO_AmountL, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 220, -1, -1));
AO_AmountF.setBorder(javax.swing.BorderFactory.createMatteBorder(0, 0, 1, 0, new java.awt.Color(0, 0, 0)));
AO_AmountF.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        AO_AmountFActionPerformed(evt);
    }
});
jPanel3.add(AO_AmountF, new org.netbeans.lib.awtextra.AbsoluteConstraints(150, 210, 115, 25));
AO_DateL.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
AO_DateL.setText("Delivery Date");
jPanel3.add(AO_DateL, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 260, -1, -1));
AO_DateF.setBorder(javax.swing.BorderFactory.createMatteBorder(0, 0, 1, 0, new java.awt.Color(0, 0, 0)));
AO_DateF.setPlaceholder("DD/MM/YY");
AO_DateF.addFocusListener(new java.awt.event.FocusAdapter() {
    public void focusLost(java.awt.event.FocusEvent evt) {
        AO_DateFFocusLost(evt);
    }
});
jPanel3.add(AO_DateF, new org.netbeans.lib.awtextra.AbsoluteConstraints(150, 250, 115, 25));
AO_TimeL.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
AO_TimeL.setText("Delivery Time");
jPanel3.add(AO_TimeL, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 300, -1, -1));
AO_AddButt.setFont(new java.awt.Font("SimSun", 0, 12)); // NOI18N
AO_AddButt.setText("ADD");
AO_AddButt.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        AO_AddButtActionPerformed(evt);
    }
});
jPanel3.add(AO_AddButt, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 400, 75, 30));
```

```java
            AO_UpdateButt.setFont(new java.awt.Font("SimSun", 0, 12)); // NOI18N
            AO_UpdateButt.setText("UPDATE");
            AO_UpdateButt.addActionListener(new java.awt.event.ActionListener() {
                public void actionPerformed(java.awt.event.ActionEvent evt) {
                    AO_UpdateButtActionPerformed(evt);
                }
            });
            jPanel3.add(AO_UpdateButt, new org.netbeans.lib.awtextra.AbsoluteConstraints(100, 400, 75, 30));
            AO_DeleteButt.setFont(new java.awt.Font("SimSun", 0, 12)); // NOI18N
            AO_DeleteButt.setText("DELETE");
            AO_DeleteButt.addActionListener(new java.awt.event.ActionListener() {
                public void actionPerformed(java.awt.event.ActionEvent evt) {
                    AO_DeleteButtActionPerformed(evt);
                }
            });
            jPanel3.add(AO_DeleteButt, new org.netbeans.lib.awtextra.AbsoluteConstraints(190, 400, 75, 30));
            AO_DishL.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
            AO_DishL.setText("Dish");
            jPanel3.add(AO_DishL, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 340, -1, -1));
            AO_OrdersTab.setModel(new javax.swing.table.DefaultTableModel(
                new Object [][] {
                },
                new String [] {
                    "ID", "Name", "Contact", "Item", "Quantity", "Due", "Date", "Time", "Dish", "Status"
                }
            ));
            AO_OrdersTab.setColorBackgoundHead(new java.awt.Color(255, 204, 204));
            AO_OrdersTab.setColorFilasBackgound2(new java.awt.Color(255, 255, 255));
            AO_OrdersTab.setColorFilasForeground1(new java.awt.Color(153, 153, 153));
            AO_OrdersTab.setColorFilasForeground2(new java.awt.Color(153, 153, 153));
            AO_OrdersTab.setFont(new java.awt.Font("Segoe UI", 0, 10)); // NOI18N
            AO_OrdersTab.setFuenteFilas(new java.awt.Font("Tahoma", 0, 10)); // NOI18N
            AO_OrdersTab.setFuenteFilasSelect(new java.awt.Font("Tahoma", 0, 10)); // NOI18N
            AO_OrdersTab.setFuenteHead(new java.awt.Font("Tahoma", 1, 10)); // NOI18N
            AO_OrdersTab.setRowHeight(25);
            AO_OrdersTab.addMouseListener(new java.awt.event.MouseAdapter() {
                public void mouseClicked(java.awt.event.MouseEvent evt) {
                    AO_OrdersTabMouseClicked(evt);
                }
            });
            jScrollPane1.setViewportView(AO_OrdersTab);
            if (AO_OrdersTab.getColumnModel().getColumnCount() > 0) {
                AO_OrdersTab.getColumnModel().getColumn(0).setPreferredWidth(10);
                AO_OrdersTab.getColumnModel().getColumn(2).setPreferredWidth(40);
                AO_OrdersTab.getColumnModel().getColumn(4).setPreferredWidth(25);
                AO_OrdersTab.getColumnModel().getColumn(5).setPreferredWidth(25);
                AO_OrdersTab.getColumnModel().getColumn(6).setPreferredWidth(30);
                AO_OrdersTab.getColumnModel().getColumn(7).setPreferredWidth(35);
                AO_OrdersTab.getColumnModel().getColumn(8).setPreferredWidth(15);
            }
            jPanel3.add(jScrollPane1, new org.netbeans.lib.awtextra.AbsoluteConstraints(280, 70, 590, 340));
            AO_OrderIDF.setBorder(javax.swing.BorderFactory.createMatteBorder(0, 0, 1, 0, new java.awt.Color(0, 0, 0)));
            AO_OrderIDF.setPlaceholder("Update/Delete ONLY");
            jPanel3.add(AO_OrderIDF, new org.netbeans.lib.awtextra.AbsoluteConstraints(135, 20, 130, 25));
            AO_OrderIDL.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
            AO_OrderIDL.setText("Order ID");
            jPanel3.add(AO_OrderIDL, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 30, -1, -1));
            AO_SBML.setFont(new java.awt.Font("SimSun", 0, 18)); // NOI18N
            AO_SBML.setText("Filter By Month");
            jPanel3.add(AO_SBML, new org.netbeans.lib.awtextra.AbsoluteConstraints(360, 30, -1, -1));
            AO_GetOrdersButt.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
            AO_GetOrdersButt.setText("Get Orders");
            AO_GetOrdersButt.addActionListener(new java.awt.event.ActionListener() {
                public void actionPerformed(java.awt.event.ActionEvent evt) {
                    AO_GetOrdersButtActionPerformed(evt);
                }
            });
            jPanel3.add(AO_GetOrdersButt, new org.netbeans.lib.awtextra.AbsoluteConstraints(660, 20, 110, 40));
            AO_TimeF.setBorder(javax.swing.BorderFactory.createMatteBorder(0, 0, 1, 0, new java.awt.Color(0, 0, 0)));
            AO_TimeF.setPlaceholder("HH:MM am/pm");
            AO_TimeF.addFocusListener(new java.awt.event.FocusAdapter() {
                public void focusLost(java.awt.event.FocusEvent evt) {
                    AO_TimeFFocusLost(evt);
                }
            });
            jPanel3.add(AO_TimeF, new org.netbeans.lib.awtextra.AbsoluteConstraints(150, 290, 115, 25));
            AO_StatusL.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
            AO_StatusL.setText("Status");
            jPanel3.add(AO_StatusL, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 370, -1, -1));
            AO_YesRB.setText("Yes");
            jPanel3.add(AO_YesRB, new org.netbeans.lib.awtextra.AbsoluteConstraints(140, 340, -1, -1));
            AO_NoRB.setText("No");
            jPanel3.add(AO_NoRB, new org.netbeans.lib.awtextra.AbsoluteConstraints(210, 340, -1, -1));
            AO_MonthCB.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Select Month", "January", "February", "March", "April", "May", "June", "July", "August", "September", "October", "November", "December" }));
            AO_MonthCB.addActionListener(new java.awt.event.ActionListener() {
                public void actionPerformed(java.awt.event.ActionEvent evt) {
                    AO_MonthCBActionPerformed(evt);
                }
            });
            jPanel3.add(AO_MonthCB, new org.netbeans.lib.awtextra.AbsoluteConstraints(510, 30, 120, -1));
            AO_StatusCB.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Select Status", "Received", "Preparing", "Ready", "Delivered", "Returned", "Cancelled" }));
            jPanel3.add(AO_StatusCB, new org.netbeans.lib.awtextra.AbsoluteConstraints(140, 370, 120, -1));
            getContentPane().add(jPanel3, new org.netbeans.lib.awtextra.AbsoluteConstraints(160, 60, 880, 450));
            setSize(new java.awt.Dimension(1056, 550));
            setLocationRelativeTo(null);
    }
```

```java
private void AO_HomeLMouseClicked(java.awt.event.MouseEvent evt) {
    Admin_Dashboard ad = new Admin_Dashboard();
    ad.setVisible(true);
    this.dispose();
}
private void AO_LogoutLMouseClicked(java.awt.event.MouseEvent evt) {
    Login_Page pg = new Login_Page();
    pg.setVisible(true);
    this.dispose();
}
private void AO_InventoryLMouseClicked(java.awt.event.MouseEvent evt) {
    Admin_Inventory ai = new Admin_Inventory();
    ai.setVisible(true);
    this.dispose();
}
private void AO_AccountsLMouseClicked(java.awt.event.MouseEvent evt) {
    Admin_Accounts aa = new Admin_Accounts();
    aa.setVisible(true);
    this.dispose();
}
private void AO_StaffLMouseClicked(java.awt.event.MouseEvent evt) {
    Admin_Staff as = new Admin_Staff();
    as.setVisible(true);
    this.dispose();
}
private void AO_OrdersTabMouseClicked(java.awt.event.MouseEvent evt) {
    int rowNum = AO_OrdersTab.getSelectedRow();
    TableModel model = AO_OrdersTab.getModel();
    AO_OrderIDF.setText(model.getValueAt(rowNum, 0).toString());
    AO_CusNameF.setText(model.getValueAt(rowNum, 1).toString());
    AO_CusContF.setText(model.getValueAt(rowNum, 2).toString());
    AO_ItemF.setText(model.getValueAt(rowNum, 3).toString());
    AO_QuantityF.setText(model.getValueAt(rowNum, 4).toString());
    AO_AmountF.setText(model.getValueAt(rowNum, 5).toString());
    AO_DateF.setText(model.getValueAt(rowNum, 6).toString());
    AO_TimeF.setText(model.getValueAt(rowNum, 7).toString());
    if (model.getValueAt(rowNum, 8).toString().equals("Yes"))
    {
        AO_YesRB.setSelected(true);
    }
    else if(model.getValueAt(rowNum, 8).toString().equals("No"))
    {
        AO_NoRB.setSelected(true);
    }
    AO_StatusCB.setSelectedItem(model.getValueAt(rowNum, 9));
}
private void AO_AddButtActionPerformed(java.awt.event.ActionEvent evt) {
    String chosenMonth = AO_MonthCB.getSelectedItem().toString();
    if (checkDate() == true && checkNumber() == true && checkTime() == true && checkFields() == true)
    {
        addOrder();
        clearTable();
        setODToTable(chosenMonth);
    }
    else
    {
        JOptionPane.showMessageDialog(this, "Check Information");
    }
}
private void AO_UpdateButtActionPerformed(java.awt.event.ActionEvent evt) {
    String chosenMonth = AO_MonthCB.getSelectedItem().toString();
    if (checkDate() == true && checkNumber() == true && checkTime() == true && checkFields() == true)
    {
        updateOrder();
        clearTable();
        setODToTable(chosenMonth);
    }
    else
    {
        JOptionPane.showMessageDialog(this, "Check Information");
    }
}
private void AO_DeleteButtActionPerformed(java.awt.event.ActionEvent evt) {
    String chosenMonth = AO_MonthCB.getSelectedItem().toString();
    if (deleteOrder() == true)
    {
        JOptionPane.showMessageDialog(this, "Order Deleted");
        clearTable();
        setODToTable(chosenMonth);
    }
    else
    {
        JOptionPane.showMessageDialog(this, "Error");
    }
}
private void AO_HomeLMouseEntered(java.awt.event.MouseEvent evt) {
    AO_HomeP.setBackground(mouseEnterColor);
}
private void AO_HomeLMouseExited(java.awt.event.MouseEvent evt) {
    AO_HomeP.setBackground(mouseExitColor);
}
private void AO_InventoryLMouseEntered(java.awt.event.MouseEvent evt) {
    AO_InventoryP.setBackground(mouseEnterColor);
}
private void AO_InventoryLMouseExited(java.awt.event.MouseEvent evt) {
    AO_InventoryP.setBackground(mouseExitColor);
}
```

```java
        }
    private void AO_AccountsLMouseEntered(java.awt.event.MouseEvent evt) {
        AO_AccountsP.setBackground(mouseEnterColor);
    }
    private void AO_AccountsLMouseExited(java.awt.event.MouseEvent evt) {
        AO_AccountsP.setBackground(mouseExitColor);
    }
    private void AO_StaffLMouseEntered(java.awt.event.MouseEvent evt) {
        AO_StaffP.setBackground(mouseEnterColor);
    }
    private void AO_StaffLMouseExited(java.awt.event.MouseEvent evt) {
        AO_StaffP.setBackground(mouseExitColor);
    }
    private void AO_GetOrdersButtActionPerformed(java.awt.event.ActionEvent evt) {
        String chosenMonth = AO_MonthCB.getSelectedItem().toString();
        clearTable();
        setODToTable(chosenMonth);
    }
    private void AO_DateFFocusLost(java.awt.event.FocusEvent evt) {
        if (!AO_DateF.getText().trim().equals(""))
        {
            if (checkDate() != true)
            {
                JOptionPane.showMessageDialog(this, "Invalid Date");
            }
        }
    }
    private void AO_CusContFFocusLost(java.awt.event.FocusEvent evt) {
        if (!AO_CusContF.getText().trim().equals(""))
        {
            if (checkNumber()== false)
            {
                JOptionPane.showMessageDialog(this, "Phone Number Invalid");
            }
        }
    }
    private void AO_TimeFFocusLost(java.awt.event.FocusEvent evt) {
        if (!AO_TimeF.getText().trim().equals(""))
        {
            if (checkTime()== false)
            {
                JOptionPane.showMessageDialog(this, "Invalid Time");
            }
        }
    }
    public static void main(String args[]) {
        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(Admin_Orders.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {        java.util.logging.Logger.getLogger(Admin_Orders.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {        java.util.logging.Logger.getLogger(Admin_Orders.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {        java.util.logging.Logger.getLogger(Admin_Orders.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        }
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new Admin_Orders().setVisible(true);
            }});
    }
    private javax.swing.JPanel AD_LogoutP;
    private javax.swing.JLabel AO_AccountsL;
    private javax.swing.JPanel AO_AccountsP;
    private javax.swing.JButton AO_AddButt;
    private app.bolivia.swing.JCTextField AO_AmountF;
    private javax.swing.JLabel AO_AmountL;
    private app.bolivia.swing.JCTextField AO_CusContF;
    private javax.swing.JLabel AO_CusContL;
    private app.bolivia.swing.JCTextField AO_CusNameF;
    private javax.swing.JLabel AO_CusNameL;
    private app.bolivia.swing.JCTextField AO_DateF;
    private javax.swing.JLabel AO_DateL;
    private javax.swing.JButton AO_DeleteButt;
    private javax.swing.JLabel AO_DishL;
    private javax.swing.JButton AO_GetOrdersButt;
    private javax.swing.JLabel AO_HomeL;
    private javax.swing.JPanel AO_HomeP;
    private javax.swing.JLabel AO_InventoryL;
    private javax.swing.JPanel AO_InventoryP;
    private app.bolivia.swing.JCTextField AO_ItemF;
    private javax.swing.JLabel AO_ItemL;
    private javax.swing.JLabel AO_LogoutL;
    private javax.swing.JComboBox<String> AO_MonthCB;
    private javax.swing.JRadioButton AO_NoRB;
    private app.bolivia.swing.JCTextField AO_OrderIDF;
    private javax.swing.JLabel AO_OrderIDL;
    private javax.swing.JLabel AO_OrdersL;
    private javax.swing.JPanel AO_OrdersP;
    private rojeru_san.complementos.RSTableMetro AO_OrdersTab;
    private app.bolivia.swing.JCTextField AO_QuantityF;
    private javax.swing.JLabel AO_QuantityL;
    private javax.swing.JLabel AO_SBML;
    private javax.swing.JLabel AO_StaffL;
```

```java
    private javax.swing.JPanel AO_StaffP;
    private javax.swing.JComboBox<String> AO_StatusCB;
    private javax.swing.JLabel AO_StatusL;
    private app.bolivia.swing.JCTextField AO_TimeF;
    private javax.swing.JLabel AO_TimeL;
    private javax.swing.JButton AO_UpdateButt;
    private javax.swing.JRadioButton AO_YesRB;
    private javax.swing.JPanel SD_Back;
    private javax.swing.JPanel SD_HomeP1;
    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;
}
```

Admin Inventory

```java
import java.awt.Color;
import java.sql.*;
import java.util.ArrayList;
import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;
public class Admin_Inventory extends javax.swing.JFrame {
    private String item, type, store, date;
    private int quant;
    private float price;
    private DefaultTableModel model;
    Color mouseEnterColor = new Color(225,225,225);
    Color mouseExitColor = new Color(255,255,255);
    public Admin_Inventory() {
        initComponents();
        getItem();
    }
    //Method to calculate current inventory
    public void getInven() {
        String findItem = AI_ItemCB.getSelectedItem().toString();
        int totQuan = 0;
        int useQuan = 0;
        int currQuan;
        //Bought Inventory
        try {
            Connection conn = DatabaseConnection.getConnection();
            PreparedStatement pst = conn.prepareStatement("select * from inventory where Item = ?");
            pst.setString(1, findItem);
            ResultSet rs = pst.executeQuery();
            while (rs.next())
            {
                int quantity = rs.getInt("Quantity");
                totQuan = totQuan + quantity;
            }
        } catch (Exception e) {
            e.printStackTrace();
        }
        //Used Inventory
        try {
            Connection conn = DatabaseConnection.getConnection();
            PreparedStatement pst = conn.prepareStatement("select * from used_inventory where Item = ?");
            pst.setString(1, findItem);
            ResultSet rs = pst.executeQuery();
            while (rs.next())
            {
                int quantity = rs.getInt("Quantity");
                useQuan = useQuan + quantity;
            }
        } catch (Exception e) {
            e.printStackTrace();
        }
        //Current inventory
        currQuan = totQuan - useQuan;
        //Set Current Inventory details to table
        try {
            Connection conn = DatabaseConnection.getConnection();
            PreparedStatement pst = conn.prepareStatement("select * from inventory where Item = ?");
            pst.setString(1, findItem);
            ResultSet rs = pst.executeQuery();
            if (rs.next())
            {
                String iType = rs.getString("Type");
                String iStore = rs.getString("Store");
                float iPrice = rs.getFloat("Price");
                Object[] obj = {findItem, iType, iStore, currQuan, iPrice};
                model = (DefaultTableModel) AI_InvenTab.getModel();
                model.addRow(obj);
            }
        } catch (Exception e) {
            e.printStackTrace();
        }
    }
    //Method to set details to fields
    public void setInvenToFields(){
        item = AI_ItemF.getText();
        try {
            Connection conn = DatabaseConnection.getConnection();
            PreparedStatement pst = conn.prepareStatement("select * from inventory where Item = ?");
```

```java
            pst.setString(1, item);
            ResultSet rs = pst.executeQuery();

            if (rs.next())
            {
                String iType = rs.getString("Type");
                String iStore = rs.getString("Store");
                float iPrice = rs.getFloat("Price");
                String iPriceS = String.valueOf(iPrice);
                AI_TypeF.setText(iType);
                AI_StoreF.setText(iStore);
                AI_PriceF.setText(iPriceS);
            }
            else
            {
                AI_TypeF.setText("");
                AI_StoreF.setText("");
                AI_PriceF.setText("");
            }
        } catch (Exception e) {
            e.printStackTrace();
        }
    }
}
//Method to add item
public void addItem() {
    item = AI_ItemF.getText();
    type = AI_TypeF.getText();
    store = AI_StoreF.getText();
    quant = Integer.parseInt(AI_QuantF.getText());
    price = Float.parseFloat(AI_PriceF.getText());
    date = AI_DateF.getText();

    //Getting month
    String month;
    String[] arrDate = date.split("/");
    String monthNum = arrDate[1];
    //System.out.println(monthNum);
    switch (monthNum) {
        case "01":
            month = "January";
            break;
        case "02":
            month = "February";
            break;
        case "03":
            month = "March";
            break;
        case "04":
            month = "April";
            break;
        case "05":
            month = "May";
            break;
        case "06":
            month = "June";
            break;
        case "07":
            month = "July";
            break;
        case "08":
            month = "August";
            break;
        case "09":
            month = "September";
            break;
        case "10":
            month = "October";
            break;
        case "11":
            month = "November";
            break;
        default:
            month = "December";
            break;
    }
    try {
        Connection conn = DatabaseConnection.getConnection();
        String sql = "insert into inventory(Item, Type, Store, Quantity, Price, Date, Month) values(?,?,?,?,?,?,?)";
        PreparedStatement pst = conn.prepareStatement(sql);
        pst.setString(1, item);
        pst.setString(2, type);
        pst.setString(3, store);
        pst.setInt(4, quant);
        pst.setFloat(5, price);
        pst.setString(6, date);
        pst.setString(7, month);
        int rowCOunt = pst.executeUpdate();
        if (rowCOunt > 0)
        {
            JOptionPane.showMessageDialog(this, "Item Added");
        }
    } catch (Exception e) {
        e.printStackTrace();
    }
}
//Method to clear table
```

```java
public void clearTable(){
    model = (DefaultTableModel) AI_InvenTab.getModel();
    model.setRowCount(0);
}
//Method to "use" item
public boolean useItem(){
    boolean used = false;
    model = (DefaultTableModel) AI_InvenTab.getModel();
    item = AI_ItemF.getText();
    quant = Integer.parseInt(AI_QuantF.getText());
    int exQuant = (int) model.getValueAt(0, 3);
    if (exQuant >= quant)
    {
        try {
            Connection conn = DatabaseConnection.getConnection();
            String sql = "insert into used_inventory(Item, Quantity) values(?,?)";
            PreparedStatement pst = conn.prepareStatement(sql);
            pst.setString(1, item);
            pst.setInt(2, quant);
            int rowCOunt = pst.executeUpdate();
            if (rowCOunt > 0)
            {
                used = true;
            }
        } catch (Exception e) {
            e.printStackTrace();
        }
    }
    else
    {
        JOptionPane.showMessageDialog(this, "Quantity Unavailable");
    }
    return used;
}
//Method to check date
public boolean checkDate(){
    boolean valid = false;
    date = AI_DateF.getText();
    if (date.length() == 8)
    {
        String[] arrDate = date.split("/");
        if (arrDate.length == 3)
        {
            int day = Integer.parseInt(arrDate[0]);
            int month = Integer.parseInt(arrDate[1]);
            if (day <= 31 && month <= 12)
            {
                valid = true;
            }
        }
    }
    return valid;
}
//Method to check if all information is entered
public boolean checkFields()
{
    item = AI_ItemF.getText();
    type = AI_TypeF.getText();
    store = AI_StoreF.getText();
    String quan = AI_QuantF.getText();
    String pric = AI_PriceF.getText();
    date = AI_DateF.getText();
    if(item.trim().equals("") || type.trim().equals("") || store.trim().equals("") || quan.trim().equals("") || pric.trim().equals("")|| date.trim().equals(""))
    {
        JOptionPane.showMessageDialog(this, "Enter all information");
        return false;
    }
    else
    {
        return true;
    }
}
//Method to get item names
public void getItem(){
    ArrayList<String> reItems = new ArrayList<String>();
    //Inserting all items in combobox from database: database -> combobox
    try {
        Connection conn = DatabaseConnection.getConnection();
        Statement st = conn.createStatement();
        ResultSet rs = st.executeQuery("Select * from inventory");
        while (rs.next()){
            String iName = rs.getString("Item");
            AI_ItemCB.addItem(iName);
        }
    } catch (Exception e) {
        e.printStackTrace();
    }
    //creating array of combobox: combobox -> array
    for (int j = 0; j < AI_ItemCB.getItemCount(); j++)
    {
        reItems.add(AI_ItemCB.getItemAt(j));
    }
    //creating new array list to only add unique items: null array list
    ArrayList<String> unItems = new ArrayList<String>();
    //for each loop to add unique items to array list:  combo array -> array list
    for (String i : reItems){
```

```java
        if (!unItems.contains(i))
        {
            unItems.add(i);
        }
    }
    //removing all items from combobox -> empty combobox
    AI_ItemCB.removeAllItems();
    //adding unique items to combobox: array list -> combobox
    for (int k = 0; k < unItems.size(); k++)
    {
        AI_ItemCB.addItem(unItems.get(k));
    }
}
@SuppressWarnings("unchecked")
private void initComponents() {
    SD_Back = new javax.swing.JPanel();
    jLabel1 = new javax.swing.JLabel();
    jLabel2 = new javax.swing.JLabel();
    jPanel2 = new javax.swing.JPanel();
    jPanel1 = new javax.swing.JPanel();
    AI_HomeP = new javax.swing.JPanel();
    AI_HomeL = new javax.swing.JLabel();
    SD_HomeP1 = new javax.swing.JPanel();
    AI_OrdersP = new javax.swing.JPanel();
    AI_OrdersL = new javax.swing.JLabel();
    AI_InventoryP = new javax.swing.JPanel();
    AI_InventoryL = new javax.swing.JLabel();
    AD_LogoutP = new javax.swing.JPanel();
    AI_LogoutL = new javax.swing.JLabel();
    AI_AccountsP = new javax.swing.JPanel();
    AI_AccountsL = new javax.swing.JLabel();
    AI_StaffP = new javax.swing.JPanel();
    AI_StaffL = new javax.swing.JLabel();
    jPanel3 = new javax.swing.JPanel();
    jScrollPane1 = new javax.swing.JScrollPane();
    AI_InvenTab = new rojeru_san.complementos.RSTableMetro();
    AI_ItemL = new javax.swing.JLabel();
    AI_TypeL = new javax.swing.JLabel();
    AI_StoreL = new javax.swing.JLabel();
    AI_QuanL = new javax.swing.JLabel();
    AI_PriceL = new javax.swing.JLabel();
    AI_ItemF = new app.bolivia.swing.JCTextField();
    AI_TypeF = new app.bolivia.swing.JCTextField();
    AI_StoreF = new app.bolivia.swing.JCTextField();
    AI_QuantF = new app.bolivia.swing.JCTextField();
    AI_PriceF = new app.bolivia.swing.JCTextField();
    AI_AddButt = new javax.swing.JButton();
    AI_DateF = new app.bolivia.swing.JCTextField();
    AI_DateL = new javax.swing.JLabel();
    AI_UseButt = new javax.swing.JButton();
    AI_FindItemL = new javax.swing.JLabel();
    AI_FindButt = new javax.swing.JButton();
    AI_ItemCB = new javax.swing.JComboBox<>();
    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
    getContentPane().setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
    SD_Back.setBackground(new java.awt.Color(255, 204, 204));
    SD_Back.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
    jLabel1.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
    jLabel1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/icons/icons/DF2R.png"))); // NOI18N
    SD_Back.add(jLabel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(880, 10, -1, -1));
    jLabel2.setIcon(new javax.swing.ImageIcon(getClass().getResource("/adminIcons/adminIcons/icons8_menu_48px_1.png"))); // NOI18N
    SD_Back.add(jLabel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 5, -1, -1));
    jPanel2.setBackground(new java.awt.Color(255, 255, 255));
    javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
    jPanel2.setLayout(jPanel2Layout);
    jPanel2Layout.setHorizontalGroup(
        jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGap(0, 0, Short.MAX_VALUE));
    jPanel2Layout.setVerticalGroup(
        jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGap(0, 50, Short.MAX_VALUE));
    SD_Back.add(jPanel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(75, 0, -1, 50));
    getContentPane().add(SD_Back, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, 960, 60));
    jPanel1.setBackground(new java.awt.Color(255, 255, 255));
    jPanel1.setBorder(javax.swing.BorderFactory.createMatteBorder(0, 0, 0, 2, new java.awt.Color(0, 0, 0)));
    AI_HomeP.setBackground(new java.awt.Color(255, 255, 255));
    AI_HomeP.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
    AI_HomeL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
    AI_HomeL.setIcon(new javax.swing.ImageIcon(getClass().getResource("/adminIcons/adminIcons/home_24px.png"))); // NOI18N
    AI_HomeL.setText("Home");
    AI_HomeL.setVerticalTextPosition(javax.swing.SwingConstants.TOP);
    AI_HomeL.addMouseListener(new java.awt.event.MouseAdapter() {
        public void mouseClicked(java.awt.event.MouseEvent evt) {
            AI_HomeLMouseClicked(evt);
        }
        public void mouseEntered(java.awt.event.MouseEvent evt) {
            AI_HomeLMouseEntered(evt);
        }
        public void mouseExited(java.awt.event.MouseEvent evt) {
            AI_HomeLMouseExited(evt);
        }
    });
    AI_HomeP.add(AI_HomeL, new org.netbeans.lib.awtextra.AbsoluteConstraints(6, 6, 90, -1));
    SD_HomeP1.setBackground(new java.awt.Color(255, 102, 102));
    SD_HomeP1.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
    AI_OrdersP.setBackground(new java.awt.Color(255, 255, 255));
```

```java
AI_OrdersP.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
AI_OrdersL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
AI_OrdersL.setIcon(new javax.swing.ImageIcon(getClass().getResource("/icons/icons/Cupcake_IconR.png"))); // NOI18N
AI_OrdersL.setText("Orders");
AI_OrdersL.setVerticalTextPosition(javax.swing.SwingConstants.TOP);
AI_OrdersL.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        AI_OrdersLMouseClicked(evt);
    }
    public void mouseEntered(java.awt.event.MouseEvent evt) {
        AI_OrdersLMouseEntered(evt);
    }
    public void mouseExited(java.awt.event.MouseEvent evt) {
        AI_OrdersLMouseExited(evt);
    }
});
AI_OrdersP.add(AI_OrdersL, new org.netbeans.lib.awtextra.AbsoluteConstraints(6, 6, 110, -1));
AI_InventoryP.setBackground(new java.awt.Color(204, 204, 255));
AI_InventoryP.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
AI_InventoryL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
AI_InventoryL.setIcon(new javax.swing.ImageIcon(getClass().getResource("/icons/icons/BreadR.png"))); // NOI18N
AI_InventoryL.setText("Inventory");
AI_InventoryL.setVerticalTextPosition(javax.swing.SwingConstants.TOP);
AI_InventoryP.add(AI_InventoryL, new org.netbeans.lib.awtextra.AbsoluteConstraints(6, 6, 140, -1));
AD_LogoutP.setBackground(new java.awt.Color(153, 153, 153));
AD_LogoutP.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
AI_LogoutL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
AI_LogoutL.setIcon(new javax.swing.ImageIcon(getClass().getResource("/adminIcons/adminIcons/icons8_Exit_26px_2.png"))); // NOI18N
AI_LogoutL.setText("Logout");
AI_LogoutL.setVerticalTextPosition(javax.swing.SwingConstants.TOP);
AI_LogoutL.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        AI_LogoutLMouseClicked(evt);
    }
});
AD_LogoutP.add(AI_LogoutL, new org.netbeans.lib.awtextra.AbsoluteConstraints(6, 6, -1, -1));
AI_AccountsP.setBackground(new java.awt.Color(255, 255, 255));
AI_AccountsP.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
AI_AccountsL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
AI_AccountsL.setIcon(new javax.swing.ImageIcon(getClass().getResource("/icons/icons/Accounts_IconR.png"))); // NOI18N
AI_AccountsL.setText("Accounts");
AI_AccountsL.setVerticalTextPosition(javax.swing.SwingConstants.TOP);
AI_AccountsL.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        AI_AccountsLMouseClicked(evt);
    }
    public void mouseEntered(java.awt.event.MouseEvent evt) {
        AI_AccountsLMouseEntered(evt);
    }
    public void mouseExited(java.awt.event.MouseEvent evt) {
        AI_AccountsLMouseExited(evt);
    }
});
AI_AccountsP.add(AI_AccountsL, new org.netbeans.lib.awtextra.AbsoluteConstraints(6, 6, 140, -1));
AI_StaffP.setBackground(new java.awt.Color(255, 255, 255));
AI_StaffP.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
AI_StaffL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
AI_StaffL.setIcon(new javax.swing.ImageIcon(getClass().getResource("/adminIcons/adminIcons/icons8_Read_Online_26px.png"))); // NOI18N
AI_StaffL.setText("Staff");
AI_StaffL.setVerticalTextPosition(javax.swing.SwingConstants.TOP);
AI_StaffL.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        AI_StaffLMouseClicked(evt);
    }
    public void mouseEntered(java.awt.event.MouseEvent evt) {
        AI_StaffLMouseEntered(evt);
    }
    public void mouseExited(java.awt.event.MouseEvent evt) {
        AI_StaffLMouseExited(evt);
    }
});
AI_StaffP.add(AI_StaffL, new org.netbeans.lib.awtextra.AbsoluteConstraints(6, 6, 140, -1));
javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel1Layout.createSequentialGroup()
        .addComponent(AI_OrdersP, javax.swing.GroupLayout.PREFERRED_SIZE, 158, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(SD_HomeP1, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addGap(130, 130, 130))
    .addGroup(jPanel1Layout.createSequentialGroup()
        .addComponent(AI_HomeP, javax.swing.GroupLayout.PREFERRED_SIZE, 158, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(0, 0, Short.MAX_VALUE))
    .addGroup(jPanel1Layout.createSequentialGroup()           .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(AI_InventoryP, javax.swing.GroupLayout.PREFERRED_SIZE, 158, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(AD_LogoutP, javax.swing.GroupLayout.PREFERRED_SIZE, 158, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(AI_AccountsP, javax.swing.GroupLayout.PREFERRED_SIZE, 158, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(AI_StaffP, javax.swing.GroupLayout.PREFERRED_SIZE, 158, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)));
jPanel1Layout.setVerticalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel1Layout.createSequentialGroup()
        .addGap(24, 24, 24)
        .addComponent(AI_HomeP, javax.swing.GroupLayout.PREFERRED_SIZE, 50, javax.swing.GroupLayout.PREFERRED_SIZE)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
```

```java
                    .addGap(55, 55, 55)
                    .addComponent(SD_HomeP1, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                    .addComponent(AI_OrdersP, javax.swing.GroupLayout.PREFERRED_SIZE, 50, javax.swing.GroupLayout.PREFERRED_SIZE)))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                .addComponent(AI_InventoryP, javax.swing.GroupLayout.PREFERRED_SIZE, 50, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                .addComponent(AI_AccountsP, javax.swing.GroupLayout.PREFERRED_SIZE, 50, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                .addComponent(AI_StaffP, javax.swing.GroupLayout.PREFERRED_SIZE, 50, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(49, 49, 49)
                .addComponent(AD_LogoutP, javax.swing.GroupLayout.PREFERRED_SIZE, 50, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(29, 29, 29))
        );
        getContentPane().add(jPanel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 60, 160, 450));
        jPanel3.setBackground(new java.awt.Color(255, 255, 255));
        AI_InvenTab.setModel(new javax.swing.table.DefaultTableModel(
            new Object [][] {

            },
            new String [] {
                "Item", "Type", "Store", "Quantity", "Price Per Unit"
            }
        ));
        AI_InvenTab.setColorBackgoundHead(new java.awt.Color(255, 204, 204));
        AI_InvenTab.setColorFilasBackgound2(new java.awt.Color(255, 255, 255));
        AI_InvenTab.setColorFilasForeground1(new java.awt.Color(153, 153, 153));
        AI_InvenTab.setColorFilasForeground2(new java.awt.Color(153, 153, 153));
        AI_InvenTab.setFuenteFilas(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
        AI_InvenTab.setFuenteFilasSelect(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
        AI_InvenTab.setFuenteHead(new java.awt.Font("Tahoma", 1, 10)); // NOI18N
        AI_InvenTab.setRowHeight(25);
        AI_InvenTab.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                AI_InvenTabMouseClicked(evt);
            }
        });
        jScrollPane1.setViewportView(AI_InvenTab);
        if (AI_InvenTab.getColumnModel().getColumnCount() > 0) {
            AI_InvenTab.getColumnModel().getColumn(3).setPreferredWidth(25);
        }
        AI_ItemL.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
        AI_ItemL.setText("Item");
        AI_TypeL.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
        AI_TypeL.setText("Type");
        AI_StoreL.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
        AI_StoreL.setText("Store");
        AI_QuanL.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
        AI_QuanL.setText("Quantity");
        AI_PriceL.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
        AI_PriceL.setText("Price per Unit");
        AI_ItemF.setBorder(javax.swing.BorderFactory.createMatteBorder(0, 0, 1, 0, new java.awt.Color(0, 0, 0)));
        AI_ItemF.addFocusListener(new java.awt.event.FocusAdapter() {
            public void focusLost(java.awt.event.FocusEvent evt) {
                AI_ItemFFocusLost(evt);
            }
        });
        AI_TypeF.setBorder(javax.swing.BorderFactory.createMatteBorder(0, 0, 1, 0, new java.awt.Color(0, 0, 0)));
        AI_StoreF.setBorder(javax.swing.BorderFactory.createMatteBorder(0, 0, 1, 0, new java.awt.Color(0, 0, 0)));
        AI_QuantF.setBorder(javax.swing.BorderFactory.createMatteBorder(0, 0, 1, 0, new java.awt.Color(0, 0, 0)));
        AI_PriceF.setBorder(javax.swing.BorderFactory.createMatteBorder(0, 0, 1, 0, new java.awt.Color(0, 0, 0)));
        AI_AddButt.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
        AI_AddButt.setText("ADD");
        AI_AddButt.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                AI_AddButtActionPerformed(evt);
            }
        });
        AI_DateF.setBorder(javax.swing.BorderFactory.createMatteBorder(0, 0, 1, 0, new java.awt.Color(0, 0, 0)));
        AI_DateF.setPlaceholder("DD/MM/YY");
        AI_DateF.addFocusListener(new java.awt.event.FocusAdapter() {
            public void focusLost(java.awt.event.FocusEvent evt) {
                AI_DateFFocusLost(evt);
            }
        });
        AI_DateL.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
        AI_DateL.setText("Date");
        AI_UseButt.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
        AI_UseButt.setText("USE");
        AI_UseButt.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                AI_UseButtActionPerformed(evt);
            }
        });
        AI_FindItemL.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
        AI_FindItemL.setText("Find Item");
        AI_FindButt.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
        AI_FindButt.setText("FIND");
        AI_FindButt.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                AI_FindButtActionPerformed(evt);
            }
        });
        AI_ItemCB.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Select Item" }));
        AI_ItemCB.addItemListener(new java.awt.event.ItemListener() {
            public void itemStateChanged(java.awt.event.ItemEvent evt) {
```

```java
                AI_ItemCBItemStateChanged(evt);
            }
        });
        AI_ItemCB.addFocusListener(new java.awt.event.FocusAdapter() {
            public void focusLost(java.awt.event.FocusEvent evt) {
                AI_ItemCBFocusLost(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(18, 18, 18)                .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(jPanel3Layout.createSequentialGroup()                        .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                        .addComponent(AI_ItemL)
                        .addComponent(AI_TypeL)
                        .addComponent(AI_StoreL)
                        .addComponent(AI_QuanL))
                    .addGap(72, 72, 72)                    .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                        .addComponent(AI_QuantF, javax.swing.GroupLayout.DEFAULT_SIZE, 156, Short.MAX_VALUE)
                        .addComponent(AI_StoreF, javax.swing.GroupLayout.DEFAULT_SIZE, 156, Short.MAX_VALUE)
                        .addComponent(AI_TypeF, javax.swing.GroupLayout.DEFAULT_SIZE, 156, Short.MAX_VALUE)
                        .addComponent(AI_ItemF, javax.swing.GroupLayout.PREFERRED_SIZE, 1, Short.MAX_VALUE)))
                    .addGroup(jPanel3Layout.createSequentialGroup()                        .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                        .addComponent(AI_AddButt)                        .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                        .addComponent(AI_PriceL)
                        .addComponent(AI_DateL)))                        .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                        .addGroup(jPanel3Layout.createSequentialGroup()
                            .addGap(28, 28, 28)                            .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                .addComponent(AI_DateF, javax.swing.GroupLayout.DEFAULT_SIZE, 158, Short.MAX_VALUE)
                                .addComponent(AI_PriceF, javax.swing.GroupLayout.DEFAULT_SIZE, 158, Short.MAX_VALUE)))
                        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel3Layout.createSequentialGroup()
                            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                            .addComponent(AI_UseButt)
                            .addGap(34, 34, 34)))))
                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel3Layout.createSequentialGroup()
                            .addComponent(jScrollPane1, javax.swing.GroupLayout.DEFAULT_SIZE, 486, Short.MAX_VALUE)
                            .addContainerGap())
                        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel3Layout.createSequentialGroup()
                            .addGap(0, 0, Short.MAX_VALUE)                            .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                            .addComponent(AI_FindButt)
                            .addGroup(jPanel3Layout.createSequentialGroup()
                                .addComponent(AI_FindItemL)
                                .addGap(26, 26, 26)
                                .addComponent(AI_ItemCB, javax.swing.GroupLayout.PREFERRED_SIZE, 164, javax.swing.GroupLayout.PREFERRED_SIZE)))
                            .addGap(115, 115, 115))))
        );
        jPanel3Layout.setVerticalGroup(
            jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel3Layout.createSequentialGroup()            .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(jPanel3Layout.createSequentialGroup()
                    .addGap(78, 78, 78)                    .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                        .addComponent(AI_ItemL)
                        .addComponent(AI_ItemF, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                        .addComponent(AI_TypeL)
                        .addComponent(AI_TypeF, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                        .addComponent(AI_StoreL)
                        .addComponent(AI_StoreF, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                        .addComponent(AI_QuanL)
                        .addComponent(AI_QuantF, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                        .addComponent(AI_PriceL)
                        .addComponent(AI_PriceF, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                        .addComponent(AI_DateL)
                        .addComponent(AI_DateF, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addGap(37, 37, 37)                    .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                        .addComponent(AI_AddButt, javax.swing.GroupLayout.PREFERRED_SIZE, 30, javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addComponent(AI_UseButt, javax.swing.GroupLayout.PREFERRED_SIZE, 30, javax.swing.GroupLayout.PREFERRED_SIZE)))
                .addGroup(jPanel3Layout.createSequentialGroup()
                    .addGap(20, 20, 20)                    .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(AI_FindItemL)
                    .addComponent(AI_ItemCB, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addGap(18, 18, 18)
                    .addComponent(AI_FindButt, javax.swing.GroupLayout.PREFERRED_SIZE, 30, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(48, 48, 48)
                    .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 110, javax.swing.GroupLayout.PREFERRED_SIZE)))
                .addContainerGap(59, Short.MAX_VALUE))
        );
```

```java
        getContentPane().add(jPanel3, new org.netbeans.lib.awtextra.AbsoluteConstraints(160, 60, 800, 450));
        setSize(new java.awt.Dimension(976, 550));
        setLocationRelativeTo(null);
    }
    private void AI_HomeLMouseClicked(java.awt.event.MouseEvent evt) {
        Admin_Dashboard ad = new Admin_Dashboard();
        ad.setVisible(true);
        this.dispose();
    }
    private void AI_LogoutLMouseClicked(java.awt.event.MouseEvent evt) {
        Login_Page pg = new Login_Page();
        pg.setVisible(true);
        this.dispose();
    }
    private void AI_OrdersLMouseClicked(java.awt.event.MouseEvent evt) {
        Admin_Orders ao = new Admin_Orders();
        ao.setVisible(true);
        this.dispose();
    }
    private void AI_AccountsLMouseClicked(java.awt.event.MouseEvent evt) {
        Admin_Accounts aa = new Admin_Accounts();
        aa.setVisible(true);
        this.dispose();
    }
    private void AI_StaffLMouseClicked(java.awt.event.MouseEvent evt) {
        Admin_Staff as = new Admin_Staff();
        as.setVisible(true);
        this.dispose();
    }
    private void AI_HomeLMouseEntered(java.awt.event.MouseEvent evt) {
        AI_HomeP.setBackground(mouseEnterColor);
    }
    private void AI_HomeLMouseExited(java.awt.event.MouseEvent evt) {
        AI_HomeP.setBackground(mouseExitColor);
    }
    private void AI_OrdersLMouseEntered(java.awt.event.MouseEvent evt) {
        AI_OrdersP.setBackground(mouseEnterColor);
    }
    private void AI_OrdersLMouseExited(java.awt.event.MouseEvent evt) {
        AI_OrdersP.setBackground(mouseExitColor);
    }
    private void AI_AccountsLMouseEntered(java.awt.event.MouseEvent evt) {
        AI_AccountsP.setBackground(mouseEnterColor);
    }
    private void AI_AccountsLMouseExited(java.awt.event.MouseEvent evt) {
        AI_AccountsP.setBackground(mouseExitColor);
    }
    private void AI_StaffLMouseEntered(java.awt.event.MouseEvent evt) {
        AI_StaffP.setBackground(mouseEnterColor);
    }
    private void AI_StaffLMouseExited(java.awt.event.MouseEvent evt) {
        AI_StaffP.setBackground(mouseExitColor);
    }
    private void AI_AddButtActionPerformed(java.awt.event.ActionEvent evt) {
        if (checkDate() == true && checkFields() == true)
        {
            addItem();
            clearTable();
            getInven();
            getItem();
        }
        else
        {
            JOptionPane.showMessageDialog(this, "Check Information");
        }
    }
    private void AI_InvenTabMouseClicked(java.awt.event.MouseEvent evt) {
        int rowNum = AI_InvenTab.getSelectedRow();
        model = (DefaultTableModel) AI_InvenTab.getModel();
        AI_ItemF.setText(model.getValueAt(rowNum, 0).toString());
        AI_TypeF.setText(model.getValueAt(rowNum, 1).toString());
        AI_StoreF.setText(model.getValueAt(rowNum, 2).toString());
        AI_QuantF.setText(model.getValueAt(rowNum, 3).toString());
        AI_PriceF.setText(model.getValueAt(rowNum, 4).toString());
    }
    private void AI_UseButtActionPerformed(java.awt.event.ActionEvent evt) {
        if (useItem()== true)
        {
            JOptionPane.showMessageDialog(this, "Item Used");
            clearTable();
            getInven();
        }
        else
        {
            JOptionPane.showMessageDialog(this, "Error");
        }
    }
    private void AI_FindButtActionPerformed(java.awt.event.ActionEvent evt) {
        clearTable();
        getInven();
    }
    private void AI_ItemFFocusLost(java.awt.event.FocusEvent evt) {
        setInvenToFields();
    }
    private void AI_DateFFocusLost(java.awt.event.FocusEvent evt) {
```

```java
        if (!AI_DateF.getText().trim().equals(""))
        {
            if (checkDate() != true)
            {
                JOptionPane.showMessageDialog(this, "Invalid Date");
            }
        }
    }
    private void AI_ItemCBFocusLost(java.awt.event.FocusEvent evt) {
        // TODO add your handling code here:
    }
    public static void main(String args[]) {
        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(Admin_Inventory.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {           java.util.logging.Logger.getLogger(Admin_Inventory.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {           java.util.logging.Logger.getLogger(Admin_Inventory.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {          java.util.logging.Logger.getLogger(Admin_Inventory.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        }
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new Admin_Inventory().setVisible(true);
            }
        });
    }
    private javax.swing.JPanel AD_LogoutP;
    private javax.swing.JLabel AI_AccountsL;
    private javax.swing.JPanel AI_AccountsP;
    private javax.swing.JButton AI_AddButt;
    private app.bolivia.swing.JCTextField AI_DateF;
    private javax.swing.JLabel AI_DateL;
    private javax.swing.JButton AI_FindButt;
    private javax.swing.JLabel AI_FindItemL;
    private javax.swing.JLabel AI_HomeL;
    private javax.swing.JPanel AI_HomeP;
    private rojeru_san.complementos.RSTableMetro AI_InvenTab;
    private javax.swing.JLabel AI_InventoryL;
    private javax.swing.JPanel AI_InventoryP;
    private javax.swing.JComboBox<String> AI_ItemCB;
    private app.bolivia.swing.JCTextField AI_ItemF;
    private javax.swing.JLabel AI_ItemL;
    private javax.swing.JLabel AI_LogoutL;
    private javax.swing.JLabel AI_OrdersL;
    private javax.swing.JPanel AI_OrdersP;
    private app.bolivia.swing.JCTextField AI_PriceF;
    private javax.swing.JLabel AI_PriceL;
    private javax.swing.JLabel AI_QuanL;
    private app.bolivia.swing.JCTextField AI_QuantF;
    private javax.swing.JLabel AI_StaffL;
    private javax.swing.JPanel AI_StaffP;
    private app.bolivia.swing.JCTextField AI_StoreF;
    private javax.swing.JLabel AI_StoreL;
    private app.bolivia.swing.JCTextField AI_TypeF;
    private javax.swing.JLabel AI_TypeL;
    private javax.swing.JButton AI_UseButt;
    private javax.swing.JPanel SD_Back;
    private javax.swing.JPanel SD_HomeP1;
    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;
}
```

Admin Accounts

```java
import java.awt.Color;
import java.sql.*;
import javax.swing.table.DefaultTableModel;
public class Admin_Accounts extends javax.swing.JFrame {
    private float totalOC = 0;
    private float totalInven = 0;
    private float totalStaffSal = 0;
    private String totalExpen;
    private float totalExpenFlo = 0;
    private float totalORev = 0;
    private float totalKulRev = 0;
    private String totalReven;
    private float totalRevenFlo = 0;
    private float netRevFlo = 0;
    private String netRev;
    private DefaultTableModel model;
    Color mouseEnterColor = new Color(225,225,225);
    Color mouseExitColor = new Color(255,255,255);
    public Admin_Accounts() {
        initComponents();
    }
```

```java
//Method to set total expenses to label
public void setTotExp(){
    model = (DefaultTableModel) AA_ExpensesTab.getModel();
    int colNum = model.getColumnCount();
    for(int i = 0; i < colNum; i++)
    {
        float ex = (float) model.getValueAt(0, i);
        totalExpenFlo = totalExpenFlo + ex;
    }
    totalExpen = String.valueOf(totalExpenFlo);
    AA_TotExpL.setText(totalExpen);
}
//Method to set total revenue to label
public void setTotRev(){
    model = (DefaultTableModel) AA_RevTab.getModel();
    int colNum = model.getColumnCount();
    for(int i = 0; i < colNum; i++)
    {
        float re = (float) model.getValueAt(0, i);
        totalRevenFlo = totalRevenFlo + re;
    }
    totalReven = String.valueOf(totalRevenFlo);
    AA_TotRevL.setText(totalReven);
}
//Method to calulate total other costs
public void calcTotalOC(){
    try {
        Connection conn = DatabaseConnection.getConnection();
        Statement st = conn.createStatement();
        ResultSet rsFC = st.executeQuery("select * from fixed_costs");
        while(rsFC.next()){
            float costAmo = rsFC.getFloat("Cost");
            totalOC = totalOC + costAmo;
        }
        model = (DefaultTableModel) AA_ExpensesTab.getModel();
        model.setValueAt(totalOC, 0, 2);
    } catch (Exception e) {
        e.printStackTrace();
    }
}
//Method to calculate total inventory costs
public void calcTotalInven(){
    String chosenMonth = AA_MonthCB.getSelectedItem().toString();
    try {
        Connection conn = DatabaseConnection.getConnection();
        PreparedStatement pst = conn.prepareStatement("select * from inventory where Month = ?");
        pst.setString(1, chosenMonth);
        ResultSet rsI = pst.executeQuery();
        while(rsI.next()){
            int quan = rsI.getInt("Quantity");
            float price = rsI.getFloat("Price");
            float eachInven = quan * price;
            totalInven = totalInven + eachInven;
        }
        Object[] obj = {totalInven};
        model = (DefaultTableModel) AA_ExpensesTab.getModel();
        model.addRow(obj);
        //System.out.println(totalInven);
    } catch (Exception e) {
        e.printStackTrace();
    }
}
//Method to calculate total staff costs
public void calcTotalStaSal(){
    try {
        Connection conn = DatabaseConnection.getConnection();
        Statement st = conn.createStatement();
        ResultSet rs = st.executeQuery("select * from staff");
        while(rs.next()){
            float sal = rs.getFloat("Salary");
            totalStaffSal = totalStaffSal + sal;
        }

        //System.out.println(totalStaffSal);
        model = (DefaultTableModel) AA_ExpensesTab.getModel();
        model.setValueAt(totalStaffSal, 0, 1);
    } catch (Exception e) {
        e.printStackTrace();
    }
}
//Method to calculate total revenue from orders
public void calcTotalORev(){
    String chosenMonth = AA_MonthCB.getSelectedItem().toString();
    try {
        Connection conn = DatabaseConnection.getConnection();
```

```java
            PreparedStatement pst = conn.prepareStatement("select * from orders_details where Month = ? AND Item != ?");
            pst.setString(1, chosenMonth);
            pst.setString(2, "Kulfi");
            ResultSet rs = pst.executeQuery();
            while(rs.next()){
                float ord = rs.getFloat("Amount_Due");
                totalORev = totalORev + ord;
            }
            Object[] obj = {totalORev};
            model = (DefaultTableModel) AA_RevTab.getModel();
            model.addRow(obj);

        } catch (Exception e) {
            e.printStackTrace();
        }
    }
//Method to calculate total revenue from kulfi
public void calcTotalKulRev(){
    String chosenMonth = AA_MonthCB.getSelectedItem().toString();
    try {
        Connection conn = DatabaseConnection.getConnection();
        PreparedStatement pst = conn.prepareStatement("select * from orders_details where Month = ? AND Item = ?");
        pst.setString(1, chosenMonth);
        pst.setString(2, "Kulfi");
        ResultSet rs = pst.executeQuery();
        while(rs.next()){
            float kul = rs.getFloat("Amount_Due");
            totalKulRev = totalKulRev + kul;
        }
        model = (DefaultTableModel) AA_RevTab.getModel();
        model.setValueAt(totalKulRev, 0, 1);
    } catch (Exception e) {
        e.printStackTrace();
    }
}
//Method to clear Table
public void clearTable(DefaultTableModel model){
    model.setRowCount(0);
}
@SuppressWarnings("unchecked")
private void initComponents() {
    SD_Back = new javax.swing.JPanel();
    jLabel1 = new javax.swing.JLabel();
    jLabel2 = new javax.swing.JLabel();
    jPanel2 = new javax.swing.JPanel();
    jPanel1 = new javax.swing.JPanel();
    AA_HomeP = new javax.swing.JPanel();
    AA_HomeL = new javax.swing.JLabel();
    SD_HomeP1 = new javax.swing.JPanel();
    AD_OrdersP = new javax.swing.JPanel();
    AA_OrdersL = new javax.swing.JLabel();
    AD_InventoryP = new javax.swing.JPanel();
    AA_InventoryL = new javax.swing.JLabel();
    AD_LogoutP = new javax.swing.JPanel();
    AA_LogoutL = new javax.swing.JLabel();
    AD_AccountsP = new javax.swing.JPanel();
    AA_AccountsL = new javax.swing.JLabel();
    AD_StaffP = new javax.swing.JPanel();
    AA_StaffL = new javax.swing.JLabel();
    jPanel3 = new javax.swing.JPanel();
    jScrollPane1 = new javax.swing.JScrollPane();
    AA_ExpensesTab = new rojeru_san.complementos.RSTableMetro();
    jScrollPane2 = new javax.swing.JScrollPane();
    AA_RevTab = new rojeru_san.complementos.RSTableMetro();
    AA_FixCosButt = new javax.swing.JButton();
    AA_FBML = new javax.swing.JLabel();
    AA_GetAccsButt = new javax.swing.JButton();
    jPanel4 = new javax.swing.JPanel();
    AA_TotRevL = new javax.swing.JLabel();
    jPanel6 = new javax.swing.JPanel();
    jLabel3 = new javax.swing.JLabel();
    jPanel5 = new javax.swing.JPanel();
    AA_TotExpL = new javax.swing.JLabel();
    jPanel7 = new javax.swing.JPanel();
    jLabel4 = new javax.swing.JLabel();
    AA_NRTP = new javax.swing.JPanel();
    AA_NetRevTL = new javax.swing.JLabel();
    AA_NRBP = new javax.swing.JPanel();
    AA_NetRevL = new javax.swing.JLabel();
    AA_MonthCB = new javax.swing.JComboBox<>();
    AA_StatsButt = new javax.swing.JButton();
    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
    getContentPane().setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
    SD_Back.setBackground(new java.awt.Color(255, 204, 204));
    SD_Back.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
```

```java
jLabel1.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
jLabel1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/icons/icons/DF2R.png")));
SD_Back.add(jLabel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(860, 10, -1, -1));
jLabel2.setIcon(new javax.swing.ImageIcon(getClass().getResource("/adminIcons/adminIcons/icons8_menu_48px_1.png")));
SD_Back.add(jLabel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 5, -1, -1));
jPanel2.setBackground(new java.awt.Color(255, 255, 255));
javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
jPanel2.setLayout(jPanel2Layout);
jPanel2Layout.setHorizontalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGap(0, 0, Short.MAX_VALUE)
);
jPanel2Layout.setVerticalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGap(0, 50, Short.MAX_VALUE));
SD_Back.add(jPanel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(75, 0, -1, 50));
getContentPane().add(SD_Back, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, 940, 60));
jPanel1.setBackground(new java.awt.Color(255, 255, 255));
jPanel1.setBorder(javax.swing.BorderFactory.createMatteBorder(0, 0, 0, 2, new java.awt.Color(0, 0, 0)));
jPanel1.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
AA_HomeP.setBackground(new java.awt.Color(255, 255, 255));
AA_HomeP.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
AA_HomeL.setFont(new java.awt.Font("SimSun", 0, 24));
AA_HomeL.setIcon(new javax.swing.ImageIcon(getClass().getResource("/adminIcons/adminIcons/home_24px.png")));
AA_HomeL.setText("Home");
AA_HomeL.setVerticalTextPosition(javax.swing.SwingConstants.TOP);
AA_HomeL.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        AA_HomeLMouseClicked(evt);
    }
    public void mouseEntered(java.awt.event.MouseEvent evt) {
        AA_HomeLMouseEntered(evt);
    }
    public void mouseExited(java.awt.event.MouseEvent evt) {
        AA_HomeLMouseExited(evt);
    }
});
AA_HomeP.add(AA_HomeL, new org.netbeans.lib.awtextra.AbsoluteConstraints(6, 6, 90, -1));
jPanel1.add(AA_HomeP, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 24, 158, 50));
SD_HomeP1.setBackground(new java.awt.Color(255, 102, 102));
SD_HomeP1.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
jPanel1.add(SD_HomeP1, new org.netbeans.lib.awtextra.AbsoluteConstraints(164, 129, -1, -1));
AD_OrdersP.setBackground(new java.awt.Color(255, 255, 255));
AD_OrdersP.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
AA_OrdersL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
AA_OrdersL.setIcon(new javax.swing.ImageIcon(getClass().getResource("/icons/icons/Cupcake_IconR.png"))); // NOI18N
AA_OrdersL.setText("Orders");
AA_OrdersL.setVerticalTextPosition(javax.swing.SwingConstants.TOP);
AA_OrdersL.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        AA_OrdersLMouseClicked(evt);
    }
    public void mouseEntered(java.awt.event.MouseEvent evt) {
        AA_OrdersLMouseEntered(evt);
    }
    public void mouseExited(java.awt.event.MouseEvent evt) {
        AA_OrdersLMouseExited(evt);
    }
});
AD_OrdersP.add(AA_OrdersL, new org.netbeans.lib.awtextra.AbsoluteConstraints(6, 6, 110, -1));
jPanel1.add(AD_OrdersP, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 86, 158, 50));
AD_InventoryP.setBackground(new java.awt.Color(255, 255, 255));
AD_InventoryP.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
AA_InventoryL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
AA_InventoryL.setIcon(new javax.swing.ImageIcon(getClass().getResource("/icons/icons/BreadR.png"))); // NOI18N
AA_InventoryL.setText("Inventory");
AA_InventoryL.setVerticalTextPosition(javax.swing.SwingConstants.TOP);
AA_InventoryL.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        AA_InventoryLMouseClicked(evt);
    }
    public void mouseEntered(java.awt.event.MouseEvent evt) {
        AA_InventoryLMouseEntered(evt);
    }
    public void mouseExited(java.awt.event.MouseEvent evt) {
        AA_InventoryLMouseExited(evt);
    }
});
AD_InventoryP.add(AA_InventoryL, new org.netbeans.lib.awtextra.AbsoluteConstraints(6, 6, 140, -1));
jPanel1.add(AD_InventoryP, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 148, 158, 50));
AD_LogoutP.setBackground(new java.awt.Color(153, 153, 153));
AD_LogoutP.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
AA_LogoutL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
AA_LogoutL.setIcon(new javax.swing.ImageIcon(getClass().getResource("/adminIcons/adminIcons/icons8_Exit_26px_2.png")));
AA_LogoutL.setText("Logout");
```

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AA_LogoutL.setVerticalTextPosition(javax.swing.SwingConstants.TOP);
AA_LogoutL.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        AA_LogoutLMouseClicked(evt);
    }
});
AD_LogoutP.add(AA_LogoutL, new org.netbeans.lib.awtextra.AbsoluteConstraints(6, 6, -1, -1));
jPanel1.add(AD_LogoutP, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 371, 158, 50));
AD_AccountsP.setBackground(new java.awt.Color(204, 204, 255));
AD_AccountsP.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
AA_AccountsL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
AA_AccountsL.setIcon(new javax.swing.ImageIcon(getClass().getResource("/icons/icons/Accounts_IconR.png"))); // NOI18N
AA_AccountsL.setText("Accounts");
AA_AccountsL.setVerticalTextPosition(javax.swing.SwingConstants.TOP);
AD_AccountsP.add(AA_AccountsL, new org.netbeans.lib.awtextra.AbsoluteConstraints(6, 6, 140, -1));
jPanel1.add(AD_AccountsP, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 210, 158, 50));
AD_StaffP.setBackground(new java.awt.Color(255, 255, 255));
AD_StaffP.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
AA_StaffL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
AA_StaffL.setIcon(new javax.swing.ImageIcon(getClass().getResource("/adminIcons/adminIcons/icons8_Read_Online_26px.png"))); // NOI18N
AA_StaffL.setText("Staff");
AA_StaffL.setVerticalTextPosition(javax.swing.SwingConstants.TOP);
AA_StaffL.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        AA_StaffLMouseClicked(evt);
    }
    public void mouseEntered(java.awt.event.MouseEvent evt) {
        AA_StaffLMouseEntered(evt);
    }
    public void mouseExited(java.awt.event.MouseEvent evt) {
        AA_StaffLMouseExited(evt);
    }
});
AD_StaffP.add(AA_StaffL, new org.netbeans.lib.awtextra.AbsoluteConstraints(6, 6, 140, -1));
jPanel1.add(AD_StaffP, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 272, 158, 50));
getContentPane().add(jPanel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 60, 160, 450));
jPanel3.setBackground(new java.awt.Color(255, 255, 255));
AA_ExpensesTab.setModel(new javax.swing.table.DefaultTableModel(
    new Object [][] {
    },
    new String [] {
        "Inventory", "Staff", "Other Costs"
    }
));
AA_ExpensesTab.setColorBackgoundHead(new java.awt.Color(255, 204, 204));
AA_ExpensesTab.setColorFilasBackgound2(new java.awt.Color(255, 255, 255));
AA_ExpensesTab.setColorFilasForeground1(new java.awt.Color(153, 153, 153));
AA_ExpensesTab.setColorFilasForeground2(new java.awt.Color(153, 153, 153));
AA_ExpensesTab.setFont(new java.awt.Font("Segoe UI", 0, 10)); // NOI18N
AA_ExpensesTab.setFuenteFilas(new java.awt.Font("Tahoma", 0, 10)); // NOI18N
AA_ExpensesTab.setFuenteFilasSelect(new java.awt.Font("Tahoma", 0, 10)); // NOI18N
AA_ExpensesTab.setFuenteHead(new java.awt.Font("Tahoma", 1, 10)); // NOI18N
AA_ExpensesTab.setRowHeight(25);
AA_ExpensesTab.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        AA_ExpensesTabMouseClicked(evt);
    }
});
jScrollPane1.setViewportView(AA_ExpensesTab);
AA_RevTab.setModel(new javax.swing.table.DefaultTableModel(
    new Object [][] {
    },
    new String [] {
        "Orders", "Kulfi"
    }
));
AA_RevTab.setColorBackgoundHead(new java.awt.Color(255, 204, 204));
AA_RevTab.setColorFilasBackgound2(new java.awt.Color(255, 255, 255));
AA_RevTab.setColorFilasForeground1(new java.awt.Color(153, 153, 153));
AA_RevTab.setColorFilasForeground2(new java.awt.Color(153, 153, 153));
AA_RevTab.setFont(new java.awt.Font("Segoe UI", 0, 10)); // NOI18N
AA_RevTab.setFuenteFilas(new java.awt.Font("Tahoma", 0, 10)); // NOI18N
AA_RevTab.setFuenteFilasSelect(new java.awt.Font("Tahoma", 0, 10)); // NOI18N
AA_RevTab.setFuenteHead(new java.awt.Font("Tahoma", 1, 10)); // NOI18N
AA_RevTab.setRowHeight(25);
AA_RevTab.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        AA_RevTabMouseClicked(evt);
    }
});
jScrollPane2.setViewportView(AA_RevTab);
AA_FixCosButt.setFont(new java.awt.Font("SimSun", 0, 18)); // NOI18N
AA_FixCosButt.setText("Add Expenses");
AA_FixCosButt.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
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                AA_FixCosButtActionPerformed(evt);
            }
    });
    AA_FBML.setFont(new java.awt.Font("SimSun", 0, 18)); // NOI18N
    AA_FBML.setText("Month:");
    AA_GetAccsButt.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
    AA_GetAccsButt.setText("Get Accounts");
    AA_GetAccsButt.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            AA_GetAccsButtActionPerformed(evt);
        }
    });
    jPanel4.setBackground(new java.awt.Color(204, 153, 255));
    AA_TotRevL.setFont(new java.awt.Font("SimSun", 0, 18)); // NOI18N
    AA_TotRevL.setText("Revenue");
    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(75, 75, 75)
            .addComponent(AA_TotRevL)
            .addContainerGap(107, Short.MAX_VALUE))
    );
    jPanel4Layout.setVerticalGroup(
        jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel4Layout.createSequentialGroup()
            .addGap(40, 40, 40)
            .addComponent(AA_TotRevL)
            .addContainerGap(49, Short.MAX_VALUE)));
    jPanel6.setBackground(new java.awt.Color(204, 51, 255));
    jLabel3.setFont(new java.awt.Font("SimSun", 1, 14)); // NOI18N
    jLabel3.setForeground(new java.awt.Color(255, 255, 255));
    jLabel3.setText("Total Revenue");
    javax.swing.GroupLayout jPanel6Layout = new javax.swing.GroupLayout(jPanel6);
    jPanel6.setLayout(jPanel6Layout);
    jPanel6Layout.setHorizontalGroup(
        jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel6Layout.createSequentialGroup()
            .addGap(57, 57, 57)
            .addComponent(jLabel3)
            .addContainerGap(92, Short.MAX_VALUE)));
    jPanel6Layout.setVerticalGroup(
        jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel6Layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jLabel3)
            .addContainerGap(18, Short.MAX_VALUE)));
    jPanel5.setBackground(new java.awt.Color(204, 153, 255));
    AA_TotExpL.setFont(new java.awt.Font("SimSun", 0, 18)); // NOI18N
    AA_TotExpL.setText("Expenses");
    javax.swing.GroupLayout jPanel5Layout = new javax.swing.GroupLayout(jPanel5);
    jPanel5.setLayout(jPanel5Layout);
    jPanel5Layout.setHorizontalGroup(
        jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel5Layout.createSequentialGroup()
            .addContainerGap(79, Short.MAX_VALUE)
            .addComponent(AA_TotExpL)
            .addGap(76, 76, 76)));
    jPanel5Layout.setVerticalGroup(
        jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel5Layout.createSequentialGroup()
            .addGap(38, 38, 38)
            .addComponent(AA_TotExpL)
            .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)));
    jPanel7.setBackground(new java.awt.Color(204, 51, 255));
    jLabel4.setFont(new java.awt.Font("SimSun", 1, 14)); // NOI18N
    jLabel4.setForeground(new java.awt.Color(255, 255, 255));
    jLabel4.setText("Total Expenses");
    javax.swing.GroupLayout jPanel7Layout = new javax.swing.GroupLayout(jPanel7);
    jPanel7.setLayout(jPanel7Layout);
    jPanel7Layout.setHorizontalGroup(
        jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel7Layout.createSequentialGroup()
            .addGap(57, 57, 57)
            .addComponent(jLabel4)
            .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)));
    jPanel7Layout.setVerticalGroup(
        jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel7Layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jLabel4)
            .addContainerGap(18, Short.MAX_VALUE)));
    AA_NRTP.setBackground(new java.awt.Color(204, 204, 255));
    AA_NetRevTL.setFont(new java.awt.Font("SimSun", 1, 14)); // NOI18N
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        AA_NetRevTL.setForeground(new java.awt.Color(255, 255, 255));
        AA_NetRevTL.setText("Net Revenue");
        javax.swing.GroupLayout AA_NRTPLayout = new javax.swing.GroupLayout(AA_NRTP);
        AA_NRTP.setLayout(AA_NRTPLayout);
        AA_NRTPLayout.setHorizontalGroup(
            AA_NRTPLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(AA_NRTPLayout.createSequentialGroup()
                .addGap(68, 68, 68)
                .addComponent(AA_NetRevTL)
                .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)));
        AA_NRTPLayout.setVerticalGroup(
            AA_NRTPLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(AA_NRTPLayout.createSequentialGroup()
                .addGap(15, 15, 15)
                .addComponent(AA_NetRevTL)
                .addContainerGap(16, Short.MAX_VALUE)));
        AA_NRBP.setBackground(new java.awt.Color(204, 153, 255));
        AA_NetRevL.setFont(new java.awt.Font("SimSun", 0, 18)); // NOI18N
        AA_NetRevL.setText("Net Revenue");
        javax.swing.GroupLayout AA_NRBPLayout = new javax.swing.GroupLayout(AA_NRBP);
        AA_NRBP.setLayout(AA_NRBPLayout);
        AA_NRBPLayout.setHorizontalGroup(
            AA_NRBPLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(AA_NRBPLayout.createSequentialGroup()
                .addGap(54, 54, 54)
                .addComponent(AA_NetRevL)
                .addContainerGap(64, Short.MAX_VALUE)));
        AA_NRBPLayout.setVerticalGroup(
            AA_NRBPLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(AA_NRBPLayout.createSequentialGroup()
                .addGap(38, 38, 38)
                .addComponent(AA_NetRevL)
                .addContainerGap(45, Short.MAX_VALUE)));
        AA_MonthCB.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Select Month", "January", "February", "March", "April", "May", "June", "July", "August",
"September", "October", "November", "December" }));
        AA_MonthCB.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                AA_MonthCBActionPerformed(evt);
            }
        });
        AA_StatsButt.setFont(new java.awt.Font("SimSun", 0, 18)); // NOI18N
        AA_StatsButt.setText("Statistics");
        AA_StatsButt.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                AA_StatsButtActionPerformed(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()            .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(jPanel3Layout.createSequentialGroup()
                    .addGap(29, 29, 29)
                    .addComponent(AA_FBML)
                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                    .addComponent(AA_MonthCB, javax.swing.GroupLayout.PREFERRED_SIZE, 120, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(28, 28, 28)
                    .addComponent(AA_GetAccsButt, javax.swing.GroupLayout.PREFERRED_SIZE, 147, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGroup(jPanel3Layout.createSequentialGroup()
                    .addGap(21, 21, 21)            .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                        .addComponent(jScrollPane1, javax.swing.GroupLayout.DEFAULT_SIZE, 478, Short.MAX_VALUE)
                        .addComponent(jScrollPane2))
                    .addGroup(jPanel3Layout.createSequentialGroup()                            .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)
                        .addComponent(jPanel6, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
                        .addComponent(jPanel4, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
                        .addGap(18, 18, 18)                    .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)
                            .addComponent(jPanel7, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
                            .addComponent(jPanel5, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))))
                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                        .addComponent(AA_FixCosButt)
                        .addComponent(AA_NRBP, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                        .addComponent(AA_NRTP, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                        .addComponent(AA_StatsButt))))
                .addContainerGap(40, Short.MAX_VALUE)));
        jPanel3Layout.setVerticalGroup(
            jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel3Layout.createSequentialGroup()
                .addGap(9, 9, 9)
```

```java
                    .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                        .addGroup(jPanel3Layout.createSequentialGroup()
                            .addGap(10, 10, 10)                    .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                                .addComponent(AA_FBML)
                                .addComponent(AA_MonthCB, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)))
                            .addComponent(AA_GetAccsButt, javax.swing.GroupLayout.PREFERRED_SIZE, 40, javax.swing.GroupLayout.PREFERRED_SIZE))
                        .addGap(18, 18, 18)
                    .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                        .addGroup(jPanel3Layout.createSequentialGroup()
                            .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 95, javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addGap(18, 18, 18)
                            .addComponent(jScrollPane2, javax.swing.GroupLayout.PREFERRED_SIZE, 100, javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
    .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                        .addGroup(jPanel3Layout.createSequentialGroup()
                            .addComponent(jPanel6, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addGap(1, 1, 1)
                            .addComponent(jPanel4, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
                        .addGroup(jPanel3Layout.createSequentialGroup()
                            .addComponent(jPanel7, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addGap(1, 1, 1)
                            .addComponent(jPanel5, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))))
                    .addGroup(jPanel3Layout.createSequentialGroup()
                        .addComponent(AA_FixCosButt)
                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                        .addComponent(AA_StatsButt)
                        .addGap(14, 14, 14)
                        .addComponent(AA_NRTP, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addGap(1, 1, 1)
                        .addComponent(AA_NRBP, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addGap(0, 0, Short.MAX_VALUE)))
                .addContainerGap()));

        getContentPane().add(jPanel3, new org.netbeans.lib.awtextra.AbsoluteConstraints(160, 60, 780, 450));
        setSize(new java.awt.Dimension(954, 550));
        setLocationRelativeTo(null);
    private void AA_LogoutLMouseClicked(java.awt.event.MouseEvent evt) {
        Login_Page pg = new Login_Page();
        pg.setVisible(true);
        this.dispose();
    }
    private void AA_OrdersLMouseClicked(java.awt.event.MouseEvent evt) {
        Admin_Orders ao = new Admin_Orders();
        ao.setVisible(true);
        this.dispose();
    }
    private void AA_InventoryLMouseClicked(java.awt.event.MouseEvent evt) {
        Admin_Inventory ai = new Admin_Inventory();
        ai.setVisible(true);
        this.dispose();
    }
    private void AA_HomeLMouseClicked(java.awt.event.MouseEvent evt) {
        Admin_Dashboard ad = new Admin_Dashboard();
        ad.setVisible(true);
        this.dispose();
    }
    private void AA_StaffLMouseClicked(java.awt.event.MouseEvent evt) {
        Admin_Staff as = new Admin_Staff();
        as.setVisible(true);
        this.dispose();
    }
    private void AA_HomeLMouseEntered(java.awt.event.MouseEvent evt) {
        AA_HomeP.setBackground(mouseEnterColor);
    }
    private void AA_HomeLMouseExited(java.awt.event.MouseEvent evt) {
        AA_HomeP.setBackground(mouseExitColor);
    }
    private void AA_OrdersLMouseEntered(java.awt.event.MouseEvent evt) {
        AD_OrdersP.setBackground(mouseEnterColor);
    }
    private void AA_OrdersLMouseExited(java.awt.event.MouseEvent evt) {
        AD_OrdersP.setBackground(mouseExitColor);
    }
    private void AA_InventoryLMouseEntered(java.awt.event.MouseEvent evt) {
        AD_InventoryP.setBackground(mouseEnterColor);
    }
    private void AA_InventoryLMouseExited(java.awt.event.MouseEvent evt) {
        AD_InventoryP.setBackground(mouseExitColor);
    }
    private void AA_StaffLMouseEntered(java.awt.event.MouseEvent evt) {
        AD_StaffP.setBackground(mouseEnterColor);
    }
    private void AA_StaffLMouseExited(java.awt.event.MouseEvent evt) {
        AD_StaffP.setBackground(mouseExitColor);
    }
    private void AA_FixCosButtActionPerformed(java.awt.event.ActionEvent evt) {
```

```java
        Accounts_OtherCosts afc = new Accounts_OtherCosts();
        afc.setVisible(true);
        this.dispose();
    }
    private void AA_GetAccsButtActionPerformed(java.awt.event.ActionEvent evt) {
        DefaultTableModel modelRev = (DefaultTableModel) AA_RevTab.getModel();
        DefaultTableModel modelExp = (DefaultTableModel) AA_ExpensesTab.getModel();
        //reset tables
        clearTable(modelRev);
        clearTable(modelExp);
        //reset values
        totalOC = 0;
        totalInven = 0;
        totalStaffSal = 0;
        totalKulRev = 0;
        totalORev = 0;
        totalExpenFlo = 0;
        totalRevenFlo = 0;
        netRevFlo = 0;
        calcTotalORev();
        calcTotalKulRev();
        setTotRev();
        calcTotalInven();
        calcTotalStaSal();
        calcTotalOC();
        setTotExp();
        totalExpenFlo = Float.parseFloat(totalExpen);
        totalRevenFlo = Float.parseFloat(totalReven);
        netRevFlo = totalRevenFlo - totalExpenFlo;
        netRev = String.valueOf(netRevFlo);
        AA_NetRevL.setText(netRev);
    }
    private void AA_StatsButtActionPerformed(java.awt.event.ActionEvent evt) {
        Accounts_Stats accS = new Accounts_Stats();
        accS.setVisible(true);
        this.dispose();
    }
    public static void main(String args[]) {
        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(Admin_Accounts.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) { java.util.logging.Logger.getLogger(Admin_Accounts.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {      java.util.logging.Logger.getLogger(Admin_Accounts.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {         java.util.logging.Logger.getLogger(Admin_Accounts.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        }
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new Admin_Accounts().setVisible(true);
            }
        });
    }
    private javax.swing.JLabel AA_AccountsL;
    private rojeru_san.complementos.RSTableMetro AA_ExpensesTab;
    private javax.swing.JLabel AA_FBML;
    private javax.swing.JButton AA_FixCosButt;
    private javax.swing.JButton AA_GetAccsButt;
    private javax.swing.JLabel AA_HomeL;
    private javax.swing.JPanel AA_HomeP;
    private javax.swing.JLabel AA_InventoryL;
    private javax.swing.JLabel AA_LogoutL;
    private javax.swing.JComboBox<String> AA_MonthCB;
    private javax.swing.JPanel AA_NRBP;
    private javax.swing.JPanel AA_NRTP;
    private javax.swing.JLabel AA_NetRevL;
    private javax.swing.JLabel AA_NetRevTL;
    private javax.swing.JLabel AA_OrdersL;
    private rojeru_san.complementos.RSTableMetro AA_RevTab;
    private javax.swing.JLabel AA_StaffL;
    private javax.swing.JButton AA_StatsButt;
    private javax.swing.JLabel AA_TotExpL;
    private javax.swing.JLabel AA_TotRevL;
    private javax.swing.JPanel AD_AccountsP;
    private javax.swing.JPanel AD_InventoryP;
    private javax.swing.JPanel AD_LogoutP;
    private javax.swing.JPanel AD_OrdersP;
    private javax.swing.JPanel AD_StaffP;
    private javax.swing.JPanel SD_Back;
    private javax.swing.JPanel SD_HomeP1;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel2;
```

```java
    private javax.swing.JLabel jLabel3;
    private javax.swing.JLabel jLabel4;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JPanel jPanel2;
    private javax.swing.JPanel jPanel3;
    private javax.swing.JPanel jPanel4;
    private javax.swing.JPanel jPanel5;
    private javax.swing.JPanel jPanel6;
    private javax.swing.JPanel jPanel7;
    private javax.swing.JScrollPane jScrollPane1;
    private javax.swing.JScrollPane jScrollPane2;
}
```

Accounts Other Costs

```java
import java.sql.*;
import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;
public class Accounts_OtherCosts extends javax.swing.JFrame {
    private String type;
    private int id;
    private float cost;
    private DefaultTableModel model;
    public Accounts_OtherCosts() {
        initComponents();
        setExpToTable();
    }
    //Method to set details to table
    public void setExpToTable(){
        try {
            Connection conn = DatabaseConnection.getConnection();
            Statement st = conn.createStatement();
            ResultSet rs = st.executeQuery("select * from fixed_costs");
            while(rs.next()){
                int costID = rs.getInt("ID");
                String costType = rs.getString("Type");
                float costAmo = rs.getFloat("Cost");
                Object[] obj = {costID, costType, costAmo};
                model = (DefaultTableModel) AFC_FixedCostTab.getModel();
                model.addRow(obj);
            }
        } catch (Exception e) {
            e.printStackTrace();
        }
    }
    //Method to add expense
    public void addExpense(){
        type = AFC_TypeF.getText();
        cost = Float.parseFloat(AFC_CostF.getText());
        try {
            Connection conn = DatabaseConnection.getConnection();
            String sql = "insert into fixed_costs(Type, Cost) values(?,?)";
            PreparedStatement pst = conn.prepareStatement(sql);
            pst.setString(1, type);
            pst.setFloat(2, cost);
            int rowCOunt = pst.executeUpdate();
            if (rowCOunt > 0)
            {
                JOptionPane.showMessageDialog(this, "Expense Added");
            }
        } catch (Exception e) {
            e.printStackTrace();
        }
    }
    //Method to clear table
    public void clearTable(){
        model = (DefaultTableModel) AFC_FixedCostTab.getModel();
        model.setRowCount(0);
    }
    //Method to update fixed costs
    public void updateExpense(){
        id = Integer.parseInt(AFC_IDF.getText());
        type = AFC_TypeF.getText();
        cost = Float.parseFloat(AFC_CostF.getText());
        try {
            Connection conn = DatabaseConnection.getConnection();
            String sql = "update fixed_costs set Type = ?, Cost = ? where ID = ?";
            PreparedStatement pst = conn.prepareStatement(sql);
            pst.setString(1, type);
            pst.setFloat(2, cost);
            pst.setInt(3, id);
            int rowCount = pst.executeUpdate();
            if (rowCount > 0)
            {
```

```java
                JOptionPane.showMessageDialog(this, "Expense Updated");
            }
        } catch (Exception e) {
            e.printStackTrace();
        }
    }
//Method to delete fixed cost
public boolean deleteExpense(){
    boolean deleted = false;
    id = Integer.parseInt(AFC_IDF.getText());
    try {
        Connection conn = DatabaseConnection.getConnection();
        String sql = "delete from fixed_costs where ID = ?";
        PreparedStatement pst = conn.prepareStatement(sql);
        pst.setInt(1, id);
        int count = pst.executeUpdate();
        if (count > 0)
        {
            deleted = true;
        }
    } catch (Exception e) {
        e.printStackTrace();
    }
    return deleted;
}
//Method to check if all information is entered
public boolean checkFields()
{
    type = AFC_TypeF.getText();
    String cos = AFC_CostF.getText();
    if(type.trim().equals("") || cos.trim().equals(""))
    {
        JOptionPane.showMessageDialog(this, "Enter all information");
        return false;
    }

    else
    {
        return true;
    }
}

@SuppressWarnings("unchecked")
private void initComponents() {
    SD_Back = new javax.swing.JPanel();
    jLabel1 = new javax.swing.JLabel();
    AFC_BackL = new javax.swing.JLabel();
    jPanel2 = new javax.swing.JPanel();
    jPanel1 = new javax.swing.JPanel();
    SD_HomeP1 = new javax.swing.JPanel();
    AFC_CostL = new javax.swing.JLabel();
    AFC_IDL = new javax.swing.JLabel();
    AFC_TypeL = new javax.swing.JLabel();
    jPanel3 = new javax.swing.JPanel();
    jScrollPane1 = new javax.swing.JScrollPane();
    AFC_FixedCostTab = new rojeru_san.complementos.RSTableMetro();
    AFC_IDF = new app.bolivia.swing.JCTextField();
    AFC_TypeF = new app.bolivia.swing.JCTextField();
    AFC_CostF = new app.bolivia.swing.JCTextField();
    AFC_AddButt = new javax.swing.JButton();
    AFC_UpdateButt = new javax.swing.JButton();
    AFC_DelButt = new javax.swing.JButton();
    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
    getContentPane().setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
    SD_Back.setBackground(new java.awt.Color(255, 204, 204));
    SD_Back.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
    jLabel1.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
    jLabel1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/icons/icons/DF2R.png")));
    SD_Back.add(jLabel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(860, 10, -1, -1));
    AFC_BackL.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
    AFC_BackL.setIcon(new javax.swing.ImageIcon(getClass().getResource("/AddNewBookIcons/AddNewBookIcons/icons8_Rewind_48px.png")));
    AFC_BackL.setText("Back to Accounts Page");
    AFC_BackL.addMouseListener(new java.awt.event.MouseAdapter() {
        public void mouseClicked(java.awt.event.MouseEvent evt) {
            AFC_BackLMouseClicked(evt);
        }});
    SD_Back.add(AFC_BackL, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 10, 210, 40));
    jPanel2.setBackground(new java.awt.Color(255, 255, 255));
    javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
    jPanel2.setLayout(jPanel2Layout);
    jPanel2Layout.setHorizontalGroup(
        jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGap(0, 0, Short.MAX_VALUE));
```

```java
jPanel2Layout.setVerticalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGap(0, 50, Short.MAX_VALUE));
SD_Back.add(jPanel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(75, 0, -1, 50));
getContentPane().add(SD_Back, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, 940, 60));
jPanel1.setBackground(new java.awt.Color(255, 255, 255));
jPanel1.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
SD_HomeP1.setBackground(new java.awt.Color(255, 102, 102));
SD_HomeP1.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
jPanel1.add(SD_HomeP1, new org.netbeans.lib.awtextra.AbsoluteConstraints(164, 129, -1, -1));
AFC_CostL.setFont(new java.awt.Font("SimSun", 0, 18)); // NOI18N
AFC_CostL.setText("Cost");
jPanel1.add(AFC_CostL, new org.netbeans.lib.awtextra.AbsoluteConstraints(50, 290, -1, -1));
AFC_IDL.setFont(new java.awt.Font("SimSun", 0, 18)); // NOI18N
AFC_IDL.setText("ID");
jPanel1.add(AFC_IDL, new org.netbeans.lib.awtextra.AbsoluteConstraints(50, 80, -1, -1));
AFC_TypeL.setFont(new java.awt.Font("SimSun", 0, 18)); // NOI18N
AFC_TypeL.setText("Type");
jPanel1.add(AFC_TypeL, new org.netbeans.lib.awtextra.AbsoluteConstraints(50, 170, -1, -1));
getContentPane().add(jPanel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 60, 160, 450));
jPanel3.setBackground(new java.awt.Color(255, 255, 255));
AFC_FixedCostTab.setModel(new javax.swing.table.DefaultTableModel(
    new Object [][] {},
    new String [] {
        "ID", "Type", "Cost"
    }));
AFC_FixedCostTab.setColorBackgoundHead(new java.awt.Color(255, 204, 204));
AFC_FixedCostTab.setColorFilasBackgound2(new java.awt.Color(255, 255, 255));
AFC_FixedCostTab.setColorFilasForeground1(new java.awt.Color(153, 153, 153));
AFC_FixedCostTab.setColorFilasForeground2(new java.awt.Color(153, 153, 153));
AFC_FixedCostTab.setFont(new java.awt.Font("Segoe UI", 0, 10)); // NOI18N
AFC_FixedCostTab.setFuenteFilas(new java.awt.Font("Tahoma", 0, 10)); // NOI18N
AFC_FixedCostTab.setFuenteFilasSelect(new java.awt.Font("Tahoma", 0, 10)); // NOI18N
AFC_FixedCostTab.setFuenteHead(new java.awt.Font("Tahoma", 1, 10)); // NOI18N
AFC_FixedCostTab.setRowHeight(25);
AFC_FixedCostTab.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        AFC_FixedCostTabMouseClicked(evt);
    }});
jScrollPane1.setViewportView(AFC_FixedCostTab);
AFC_IDF.setBorder(javax.swing.BorderFactory.createMatteBorder(0, 0, 2, 0, new java.awt.Color(0, 0, 0)));
AFC_IDF.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N
AFC_IDF.setPlaceholder("Update /Delete ONLY");
AFC_TypeF.setBorder(javax.swing.BorderFactory.createMatteBorder(0, 0, 2, 0, new java.awt.Color(0, 0, 0)));
AFC_CostF.setBorder(javax.swing.BorderFactory.createMatteBorder(0, 0, 2, 0, new java.awt.Color(0, 0, 0)));
AFC_AddButt.setFont(new java.awt.Font("SimSun", 0, 18)); // NOI18N
AFC_AddButt.setText("ADD");
AFC_AddButt.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        AFC_AddButtActionPerformed(evt);
    }});
AFC_UpdateButt.setFont(new java.awt.Font("SimSun", 0, 18)); // NOI18N
AFC_UpdateButt.setText("UPDATE");
AFC_UpdateButt.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        AFC_UpdateButtActionPerformed(evt);
    }});
AFC_DelButt.setFont(new java.awt.Font("SimSun", 0, 18)); // NOI18N
AFC_DelButt.setText("DELETE");
AFC_DelButt.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        AFC_DelButtActionPerformed(evt);
    }});
javax.swing.GroupLayout jPanel3Layout = new javax.swing.GroupLayout(jPanel3);
jPanel3.setLayout(jPanel3Layout);
jPanel3Layout.setHorizontalGroup(
    jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel3Layout.createSequentialGroup()
        .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(AFC_TypeF, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGroup(jPanel3Layout.createSequentialGroup()
                .addContainerGap()
                .addComponent(AFC_IDF, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 68, Short.MAX_VALUE)
        .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 489, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(17, 17, 17))
    .addGroup(jPanel3Layout.createSequentialGroup()
        .addContainerGap()          .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(AFC_CostF, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGroup(jPanel3Layout.createSequentialGroup()
```

```java
                    .addComponent(AFC_AddButt)
                    .addGap(63, 63, 63)
                    .addComponent(AFC_UpdateButt)
                    .addGap(40, 40, 40)
                    .addComponent(AFC_DelButt)))
            .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)));
    jPanel3Layout.setVerticalGroup(
        jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel3Layout.createSequentialGroup()
    .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel3Layout.createSequentialGroup()
                .addGap(47, 47, 47)
                .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 166, javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGroup(jPanel3Layout.createSequentialGroup()
                .addGap(73, 73, 73)
                .addComponent(AFC_IDF, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(61, 61, 61)
                .addComponent(AFC_TypeF, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
    javax.swing.GroupLayout.PREFERRED_SIZE)))
            .addGap(68, 68, 68)
            .addComponent(AFC_CostF, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
    javax.swing.GroupLayout.PREFERRED_SIZE)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 52, Short.MAX_VALUE)
    .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(AFC_AddButt)
                .addComponent(AFC_UpdateButt)
                .addComponent(AFC_DelButt))
            .addGap(57, 57, 57)));
    getContentPane().add(jPanel3, new org.netbeans.lib.awtextra.AbsoluteConstraints(160, 60, 780, 450));
    setSize(new java.awt.Dimension(954, 522));
    setLocationRelativeTo(null);
  }
  private void AFC_FixedCostTabMouseClicked(java.awt.event.MouseEvent evt) {
      int rowNum = AFC_FixedCostTab.getSelectedRow();
      model = (DefaultTableModel) AFC_FixedCostTab.getModel();

      AFC_IDF.setText(model.getValueAt(rowNum, 0).toString());
      AFC_TypeF.setText(model.getValueAt(rowNum, 1).toString());
      AFC_CostF.setText(model.getValueAt(rowNum, 2).toString());
  }
  private void AFC_BackLMouseClicked(java.awt.event.MouseEvent evt) {
      Admin_Accounts aa = new Admin_Accounts();
      aa.setVisible(true);
      this.dispose();
  }
  private void AFC_AddButtActionPerformed(java.awt.event.ActionEvent evt) {
      if (checkFields() == true)
      {
          addExpense();
          clearTable();
          setExpToTable();
      }
      else
      {
          JOptionPane.showMessageDialog(this, "Check Information");
      }
  }
  private void AFC_UpdateButtActionPerformed(java.awt.event.ActionEvent evt) {
      if (checkFields() == true)
      {
          updateExpense();
          clearTable();
          setExpToTable();

      }
      else
      {
          JOptionPane.showMessageDialog(this, "Check Information");
      }
  }
  private void AFC_DelButtActionPerformed(java.awt.event.ActionEvent evt) {
      if (deleteExpense()== true)
      {
          JOptionPane.showMessageDialog(this, "Expense Deleted");
          clearTable();
          setExpToTable();
      }
      else
      {
          JOptionPane.showMessageDialog(this, "Error");
      }
  }
```

```java
    public static void main(String args[]) {
        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(Accounts_OtherCosts.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {
java.util.logging.Logger.getLogger(Accounts_OtherCosts.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) { java.util.logging.Logger.getLogger(Accounts_OtherCosts.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
java.util.logging.Logger.getLogger(Accounts_OtherCosts.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        }
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new Accounts_OtherCosts().setVisible(true);
            }
        });
    }
    private javax.swing.JButton AFC_AddButt;
    private javax.swing.JLabel AFC_BackL;
    private app.bolivia.swing.JCTextField AFC_CostF;
    private javax.swing.JLabel AFC_CostL;
    private javax.swing.JButton AFC_DelButt;
    private rojeru_san.complementos.RSTableMetro AFC_FixedCostTab;
    private app.bolivia.swing.JCTextField AFC_IDF;
    private javax.swing.JLabel AFC_IDL;
    private app.bolivia.swing.JCTextField AFC_TypeF;
    private javax.swing.JLabel AFC_TypeL;
    private javax.swing.JButton AFC_UpdateButt;
    private javax.swing.JPanel SD_Back;
    private javax.swing.JPanel SD_HomeP1;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JPanel jPanel2;
    private javax.swing.JPanel jPanel3;
    private javax.swing.JScrollPane jScrollPane1;
}
```

Statistics

```java
import java.awt.BorderLayout;
import java.awt.Color;
import java.sql.*;
import org.jfree.chart.ChartFactory;
import org.jfree.chart.ChartPanel;
import org.jfree.chart.JFreeChart;
import org.jfree.chart.plot.PiePlot;
import org.jfree.data.general.DefaultPieDataset;
public class Accounts_Stats extends javax.swing.JFrame {
    private String chosenMonth;
    public Accounts_Stats() {
        initComponents();
    }
    //Data in piechart
    public void setPieChart(){
        DefaultPieDataset pds = new DefaultPieDataset();
        chosenMonth = AccS_MonthCB.getSelectedItem().toString();
        try {
            Connection conn = DatabaseConnection.getConnection();
            String sql = "Select Item, count(*) as order_count from orders_details where Month = ? group by Item";
            PreparedStatement pst = conn.prepareStatement(sql);
            pst.setString(1, chosenMonth);
            ResultSet rs = pst.executeQuery();
            while(rs.next()){
                pds.setValue(rs.getString("Item"), new Double(rs.getDouble("order_count")));
            }
        } catch (Exception e) {
            e.printStackTrace();
        }
        JFreeChart pc = ChartFactory.createPieChart("Order Stats", pds);
```

```java
        PiePlot pp = (PiePlot) pc.getPlot();
        pp.setBackgroundPaint(Color.white);
        ChartPanel cp = new ChartPanel(pc);
        AA_PieP.removeAll();
        AA_PieP.add(cp, BorderLayout.CENTER);
        AA_PieP.setBounds(150, 60, 460, 380);
        AA_PieP.validate();
    }
    @SuppressWarnings("unchecked")
    private void initComponents() {
        SD_Back = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        AS_BackL = new javax.swing.JLabel();
        jPanel2 = new javax.swing.JPanel();
        jLabel2 = new javax.swing.JLabel();
        jPanel3 = new javax.swing.JPanel();
        AA_PieP = new javax.swing.JPanel();
        AccS_MonthCB = new javax.swing.JComboBox<>();
        AccS_GetStatsButt = new javax.swing.JButton();
        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        getContentPane().setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
        SD_Back.setBackground(new java.awt.Color(255, 204, 204));
        SD_Back.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
        jLabel1.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
        jLabel1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/icons/icons/DF2R.png")));
        SD_Back.add(jLabel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(970, 10, -1, -1));
        AS_BackL.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
        AS_BackL.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/AddNewBookIcons/AddNewBookIcons/icons8_Rewind_48px.png"))); // NOI18N
        AS_BackL.setText("Back to Accounts Page");
        AS_BackL.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                AS_BackLMouseClicked(evt);
            }});
        SD_Back.add(AS_BackL, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 10, 210, 40));
        jPanel2.setBackground(new java.awt.Color(255, 255, 255));
        javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
        jPanel2.setLayout(jPanel2Layout);
        jPanel2Layout.setHorizontalGroup(
            jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGap(0, 0, Short.MAX_VALUE));
        jPanel2Layout.setVerticalGroup(
            jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGap(0, 50, Short.MAX_VALUE));
        SD_Back.add(jPanel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(75, 0, -1, 50));
        jLabel2.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
        jLabel2.setIcon(new javax.swing.ImageIcon(getClass().getResource("/icons/icons/DF2R.png")));
        SD_Back.add(jLabel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(860, 10, -1, -1));
        getContentPane().add(SD_Back, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, 940, 60));
        jPanel3.setBackground(new java.awt.Color(255, 255, 255));
        AA_PieP.setLayout(new java.awt.BorderLayout());
        AccS_MonthCB.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Select Month", "January", "February", "March",
"April", "May", "June", "July", "August", "September", "October", "November", "December" }));
        AccS_MonthCB.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                AccS_MonthCBActionPerformed(evt);
            }});
        AccS_GetStatsButt.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
        AccS_GetStatsButt.setText("Get Stats");
        AccS_GetStatsButt.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                AccS_GetStatsButtActionPerformed(evt);
            }});
        javax.swing.GroupLayout jPanel3Layout = new javax.swing.GroupLayout(jPanel3);
```

```java
      jPanel3.setLayout(jPanel3Layout);
      jPanel3Layout.setHorizontalGroup(
        jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel3Layout.createSequentialGroup()
          .addGap(50, 50, 50)
          .addComponent(AA_PieP, 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(javax.swing.GroupLayout.Alignment.TRAILING, jPanel3Layout.createSequentialGroup()
          .addContainerGap(635, Short.MAX_VALUE)
          .addComponent(AccS_MonthCB, javax.swing.GroupLayout.PREFERRED_SIZE, 139, javax.swing.GroupLayout.PREFERRED_SIZE)
          .addGap(18, 18, 18)
          .addComponent(AccS_GetStatsButt, javax.swing.GroupLayout.PREFERRED_SIZE, 110, javax.swing.GroupLayout.PREFERRED_SIZE)
          .addGap(38, 38, 38)));
      jPanel3Layout.setVerticalGroup(
        jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel3Layout.createSequentialGroup()
          .addGap(19, 19, 19)           .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(AccS_GetStatsButt, javax.swing.GroupLayout.PREFERRED_SIZE, 40, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(AccS_MonthCB, javax.swing.GroupLayout.PREFERRED_SIZE, 31, javax.swing.GroupLayout.PREFERRED_SIZE))
          .addGap(54, 54, 54)
          .addComponent(AA_PieP, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
          .addContainerGap(337, Short.MAX_VALUE)));
      getContentPane().add(jPanel3, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 60, 940, 450));
      setSize(new java.awt.Dimension(952, 546));
      setLocationRelativeTo(null);
    }
    private void AS_BackLMouseClicked(java.awt.event.MouseEvent evt) {
      Admin_Accounts aa = new Admin_Accounts();
      aa.setVisible(true);
      this.dispose();
    }
    private void AccS_GetStatsButtActionPerformed(java.awt.event.ActionEvent evt) {
      setPieChart();
    }
      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(Accounts_Stats.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
      } catch (InstantiationException ex) {
java.util.logging.Logger.getLogger(Accounts_Stats.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
      } catch (IllegalAccessException ex) {
java.util.logging.Logger.getLogger(Accounts_Stats.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
      } catch (javax.swing.UnsupportedLookAndFeelException ex) {
        java.util.logging.Logger.getLogger(Accounts_Stats.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);}
      java.awt.EventQueue.invokeLater(new Runnable() {
        public void run() {
          new Accounts_Stats().setVisible(true);}
      });}
    private javax.swing.JPanel AA_PieP;
    private javax.swing.JLabel AS_BackL;
    private javax.swing.JButton AccS_GetStatsButt;
    private javax.swing.JComboBox<String> AccS_MonthCB;
    private javax.swing.JPanel SD_Back;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JPanel jPanel2;
    private javax.swing.JPanel jPanel3;
}
```

```java
import java.awt.Color;
import java.sql.*;
import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;
import javax.swing.table.TableModel;
public class Admin_Staff extends javax.swing.JFrame {
    private String name, cont;
    private int id, hours, holis;
    private float salary;
    private DefaultTableModel model;
    Color mouseEnterColor = new Color(225,225,225);
    Color mouseExitColor = new Color(255,255,255);
    public Admin_Staff() {
        initComponents();
        setStaffToTable();
    }
    //Method to set Staff to table
    public void setStaffToTable() {
        try {
            Connection conn = DatabaseConnection.getConnection();
            Statement st = conn.createStatement();
            ResultSet rs = st.executeQuery("SELECT * from staff");
            while (rs.next())
            {
                int staffID = rs.getInt("Staff_ID");
                String staffName = rs.getString("Staff_Name");
                String staffCont = rs.getString("Contact");
                int hoursWorked = rs.getInt("Hours");
                float staffSalary = rs.getFloat("Salary");
                int holidays = rs.getInt("Holidays");
                Object[] obj = {staffID, staffName, staffCont, hoursWorked, staffSalary, holidays};
                model = (DefaultTableModel) AS_StaffTab.getModel();
                model.addRow(obj);
            }
        } catch (Exception e) {
            e.printStackTrace();
        }
    }
    //Method to add staff
    public void addStaff(){
        name = AS_NameF.getText();
        cont = AS_ContF.getText();
        hours = Integer.parseInt(AS_HoursF.getText());
        salary = Float.parseFloat(AS_SalF.getText());
        holis = Integer.parseInt(AS_HoliF.getText());
        try {
            Connection conn = DatabaseConnection.getConnection();
            String sql = "insert into staff(Staff_Name, Contact, Hours, Salary, Holidays) values(?,?,?,?,?)";
            PreparedStatement pst = conn.prepareStatement(sql);
            pst.setString(1, name);
            pst.setString(2, cont);
            pst.setInt(3, hours);
            pst.setFloat(4, salary);
            pst.setInt(5, holis);
            int rowCOunt = pst.executeUpdate();
            if (rowCOunt > 0)
            {
                JOptionPane.showMessageDialog(this, "Staff Added");
            }
        } catch (Exception e) {
            e.printStackTrace();
        }
    }
    //Method to clear table
    public void clearTable(){
        DefaultTableModel model = (DefaultTableModel) AS_StaffTab.getModel();
        model.setRowCount(0);
    }
    //Method to update staff
    public void updateStaff(){
        id = Integer.parseInt(AS_StaffIDF.getText());
        name = AS_NameF.getText();
```

```java
            cont = AS_ContF.getText();
            hours = Integer.parseInt(AS_HoursF.getText());
            salary = Float.parseFloat(AS_SalF.getText());
            holis = Integer.parseInt(AS_HoliF.getText());
            try {
                Connection conn = DatabaseConnection.getConnection();
                String sql = "update staff set Staff_Name = ?, Contact = ?, Hours = ?, Salary = ?, Holidays = ? where Staff_ID = ?";
                PreparedStatement pst = conn.prepareStatement(sql);
                pst.setString(1, name);
                pst.setString(2, cont);
                pst.setInt(3, hours);
                pst.setFloat(4, salary);
                pst.setInt(5, holis);
                pst.setInt(6, id);
                int rowCount = pst.executeUpdate();
                if (rowCount > 0)
                {
                    JOptionPane.showMessageDialog(this, "Staff Updated");
                }
            } catch (Exception e) {
                e.printStackTrace();
            }
        }
//Method to delete staff
public boolean deleteStaff(){
        boolean deleted = false;
        id = Integer.parseInt(AS_StaffIDF.getText());
        try {
            Connection conn = DatabaseConnection.getConnection();
            String sql = "delete from staff where Staff_ID = ?";
            PreparedStatement pst = conn.prepareStatement(sql);

            pst.setInt(1, id);

            int count = pst.executeUpdate();
            if (count > 0)
            {
                deleted = true;
            }
        } catch (Exception e) {
            e.printStackTrace();
        }
        return deleted;
    }
//Method to check phone number
public boolean checkNumber()
{
        cont = AS_ContF.getText();
        boolean valid = false;
        char[] num = {'0', '1', '2', '3', '4','5','6','7','8','9'};
        int count = 0;
        if (cont.length()==10)
        {
            for (int i = 0; i < 10; i++)
            {
                for (int j = 0; j < 10; j++)
                {
                    if (cont.charAt(i)==(num[j]))
                    {
                        count++;
                    }
                }
            }
            if (count == 10)
            {
                valid = true;
            }
        }
        return valid;
    }
//Method to check if all information is entered
public boolean checkFields()
{
```

```java
        name = AS_NameF.getText();
        cont = AS_ContF.getText();
        String hrs = AS_HoursF.getText();
        String salry = AS_SalF.getText();
        String hol = AS_HoliF.getText();
        if(name.trim().equals("") || cont.trim().equals("") || hrs.trim().equals("") || salry.trim().equals("") || hol.trim().equals(""))
        {
            JOptionPane.showMessageDialog(this, "Enter all information");
            return false;
        }
        else
        {
            return true;
        }
    }
    @SuppressWarnings("unchecked")
    private void initComponents() {
        SD_Back = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        jPanel2 = new javax.swing.JPanel();
        jPanel1 = new javax.swing.JPanel();
        AD_HomeP = new javax.swing.JPanel();
        AS_HomeL = new javax.swing.JLabel();
        SD_HomeP1 = new javax.swing.JPanel();
        AD_OrdersP = new javax.swing.JPanel();
        AS_OrdersL = new javax.swing.JLabel();
        AD_InventoryP = new javax.swing.JPanel();
        AS_InventoryL = new javax.swing.JLabel();
        AD_LogoutP = new javax.swing.JPanel();
        AS_LogoutL = new javax.swing.JLabel();
        AD_AccountsP = new javax.swing.JPanel();
        AS_AccountsL = new javax.swing.JLabel();
        AD_StaffP = new javax.swing.JPanel();
        AS_StaffL = new javax.swing.JLabel();
        jPanel3 = new javax.swing.JPanel();
        jScrollPane1 = new javax.swing.JScrollPane();
        AS_StaffTab = new rojeru_san.complementos.RSTableMetro();
        AS_StaffIDL = new javax.swing.JLabel();
        AS_StaffIDF = new app.bolivia.swing.JCTextField();
        AI_ItemL = new javax.swing.JLabel();
        AS_NameF = new app.bolivia.swing.JCTextField();
        AS_ContL = new javax.swing.JLabel();
        AS_ContF = new app.bolivia.swing.JCTextField();
        AI_StoreL = new javax.swing.JLabel();
        AS_HoursF = new app.bolivia.swing.JCTextField();
        AS_SalL = new javax.swing.JLabel();
        AS_SalF = new app.bolivia.swing.JCTextField();
        AS_HoliL = new javax.swing.JLabel();
        AS_HoliF = new app.bolivia.swing.JCTextField();
        AS_DelButt = new javax.swing.JButton();
        AS_UpdateButt = new javax.swing.JButton();
        AS_AddButt = new javax.swing.JButton();
        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        getContentPane().setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
        SD_Back.setBackground(new java.awt.Color(255, 204, 204));
        SD_Back.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
        jLabel1.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
        jLabel1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/icons/icons/DF2R.png"))); // NOI18N
        SD_Back.add(jLabel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(860, 10, -1, -1));
        jLabel2.setIcon(new javax.swing.ImageIcon(getClass().getResource("/adminIcons/adminIcons/icons8_menu_48px_1.png"))); //
NOI18N
        SD_Back.add(jLabel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 5, -1, -1));
        jPanel2.setBackground(new java.awt.Color(255, 255, 255));
        javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
        jPanel2.setLayout(jPanel2Layout);
        jPanel2Layout.setHorizontalGroup(
            jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGap(0, 0, Short.MAX_VALUE));
        jPanel2Layout.setVerticalGroup(
            jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGap(0, 50, Short.MAX_VALUE));
        SD_Back.add(jPanel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(75, 0, -1, 50));
```

```java
getContentPane().add(SD_Back, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, 940, 60));
jPanel1.setBackground(new java.awt.Color(255, 255, 255));
jPanel1.setBorder(javax.swing.BorderFactory.createMatteBorder(0, 0, 0, 2, new java.awt.Color(0, 0, 0)));
AD_HomeP.setBackground(new java.awt.Color(255, 255, 255));
AD_HomeP.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
AS_HomeL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
AS_HomeL.setIcon(new javax.swing.ImageIcon(getClass().getResource("/adminIcons/adminIcons/home_24px.png"))); // NOI18N
AS_HomeL.setText("Home");
AS_HomeL.setVerticalTextPosition(javax.swing.SwingConstants.TOP);
AS_HomeL.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        AS_HomeLMouseClicked(evt);
    }
    public void mouseEntered(java.awt.event.MouseEvent evt) {
        AS_HomeLMouseEntered(evt);
    }
    public void mouseExited(java.awt.event.MouseEvent evt) {
        AS_HomeLMouseExited(evt);
    }
});
AD_HomeP.add(AS_HomeL, new org.netbeans.lib.awtextra.AbsoluteConstraints(6, 6, 90, -1));
SD_HomeP1.setBackground(new java.awt.Color(255, 102, 102));
SD_HomeP1.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
AD_OrdersP.setBackground(new java.awt.Color(255, 255, 255));
AD_OrdersP.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
AS_OrdersL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
AS_OrdersL.setIcon(new javax.swing.ImageIcon(getClass().getResource("/icons/icons/Cupcake_IconR.png")));
AS_OrdersL.setText("Orders");
AS_OrdersL.setVerticalTextPosition(javax.swing.SwingConstants.TOP);
AS_OrdersL.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        AS_OrdersLMouseClicked(evt);
    }
    public void mouseEntered(java.awt.event.MouseEvent evt) {
        AS_OrdersLMouseEntered(evt);
    }
    public void mouseExited(java.awt.event.MouseEvent evt) {
        AS_OrdersLMouseExited(evt);
    }
});
AD_OrdersP.add(AS_OrdersL, new org.netbeans.lib.awtextra.AbsoluteConstraints(6, 6, 110, -1));
AD_InventoryP.setBackground(new java.awt.Color(255, 255, 255));
AD_InventoryP.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
AS_InventoryL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
AS_InventoryL.setIcon(new javax.swing.ImageIcon(getClass().getResource("/icons/icons/BreadR.png"))); // NOI18N
AS_InventoryL.setText("Inventory");
AS_InventoryL.setVerticalTextPosition(javax.swing.SwingConstants.TOP);
AS_InventoryL.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        AS_InventoryLMouseClicked(evt);
    }
    public void mouseEntered(java.awt.event.MouseEvent evt) {
        AS_InventoryLMouseEntered(evt);
    }
    public void mouseExited(java.awt.event.MouseEvent evt) {
        AS_InventoryLMouseExited(evt);
    }
});
AD_InventoryP.add(AS_InventoryL, new org.netbeans.lib.awtextra.AbsoluteConstraints(6, 6, 140, -1));
AD_LogoutP.setBackground(new java.awt.Color(153, 153, 153));
AD_LogoutP.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
AS_LogoutL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
AS_LogoutL.setIcon(new javax.swing.ImageIcon(getClass().getResource("/adminIcons/adminIcons/icons8_Exit_26px_2.png"))); // NOI18N
AS_LogoutL.setText("Logout");
AS_LogoutL.setVerticalTextPosition(javax.swing.SwingConstants.TOP);
AS_LogoutL.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        AS_LogoutLMouseClicked(evt);
    }
});
AD_LogoutP.add(AS_LogoutL, new org.netbeans.lib.awtextra.AbsoluteConstraints(6, 6, -1, -1));
AD_AccountsP.setBackground(new java.awt.Color(255, 255, 255));
```

```java
AD_AccountsP.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
AS_AccountsL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
AS_AccountsL.setIcon(new javax.swing.ImageIcon(getClass().getResource("/icons/icons/Accounts_IconR.png")));
AS_AccountsL.setText("Accounts");
AS_AccountsL.setVerticalTextPosition(javax.swing.SwingConstants.TOP);
AS_AccountsL.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        AS_AccountsLMouseClicked(evt);
    }
    public void mouseEntered(java.awt.event.MouseEvent evt) {
        AS_AccountsLMouseEntered(evt);
    }
    public void mouseExited(java.awt.event.MouseEvent evt) {
        AS_AccountsLMouseExited(evt);
    }
});
AD_AccountsP.add(AS_AccountsL, new org.netbeans.lib.awtextra.AbsoluteConstraints(6, 6, 140, -1));
AD_StaffP.setBackground(new java.awt.Color(204, 204, 255));
AD_StaffP.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
AS_StaffL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
AS_StaffL.setIcon(new javax.swing.ImageIcon(getClass().getResource("/adminIcons/adminIcons/icons8_Read_Online_26px.png")));
// NOI18N
AS_StaffL.setText("Staff");
AS_StaffL.setVerticalTextPosition(javax.swing.SwingConstants.TOP);
AD_StaffP.add(AS_StaffL, new org.netbeans.lib.awtextra.AbsoluteConstraints(6, 6, 140, -1));
javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel1Layout.createSequentialGroup()
        .addComponent(AD_OrdersP, javax.swing.GroupLayout.PREFERRED_SIZE, 158,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(SD_HomeP1, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
        .addGap(130, 130, 130))
    .addGroup(jPanel1Layout.createSequentialGroup()
        .addComponent(AD_HomeP, javax.swing.GroupLayout.PREFERRED_SIZE, 158,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(0, 0, Short.MAX_VALUE))
    .addGroup(jPanel1Layout.createSequentialGroup()
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(AD_InventoryP, javax.swing.GroupLayout.PREFERRED_SIZE, 158,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(AD_LogoutP, javax.swing.GroupLayout.PREFERRED_SIZE, 158,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(AD_AccountsP, javax.swing.GroupLayout.PREFERRED_SIZE, 158,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(AD_StaffP, javax.swing.GroupLayout.PREFERRED_SIZE, 158,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))    );
jPanel1Layout.setVerticalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel1Layout.createSequentialGroup()
        .addGap(24, 24, 24)
        .addComponent(AD_HomeP, javax.swing.GroupLayout.PREFERRED_SIZE, 50,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(55, 55, 55)
                .addComponent(SD_HomeP1, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                .addComponent(AD_OrdersP, javax.swing.GroupLayout.PREFERRED_SIZE, 50,
javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
        .addComponent(AD_InventoryP, javax.swing.GroupLayout.PREFERRED_SIZE, 50,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
        .addComponent(AD_AccountsP, javax.swing.GroupLayout.PREFERRED_SIZE, 50,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
```

```java
                    .addComponent(AD_StaffP, javax.swing.GroupLayout.PREFERRED_SIZE, 50, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(49, 49, 49)
                    .addComponent(AD_LogoutP, javax.swing.GroupLayout.PREFERRED_SIZE, 50,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(29, 29, 29)));
        getContentPane().add(jPanel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 60, 160, 450));
        jPanel3.setBackground(new java.awt.Color(255, 255, 255));
        AS_StaffTab.setModel(new javax.swing.table.DefaultTableModel(
            new Object [][] {
            },
            new String [] {
                "Staff ID", "Name", "Staff Contact", "Hours", "Salary", "Holidays"
            }
        ));
        AS_StaffTab.setColorBackgoundHead(new java.awt.Color(255, 204, 204));
        AS_StaffTab.setColorFilasBackgound2(new java.awt.Color(255, 255, 255));
        AS_StaffTab.setColorFilasForeground1(new java.awt.Color(153, 153, 153));
        AS_StaffTab.setColorFilasForeground2(new java.awt.Color(153, 153, 153));
        AS_StaffTab.setFuenteFilas(new java.awt.Font("Tahoma", 0, 12)); // NOI18N
        AS_StaffTab.setFuenteFilasSelect(new java.awt.Font("Tahoma", 0, 12)); // NOI18N
        AS_StaffTab.setFuenteHead(new java.awt.Font("Tahoma", 1, 10)); // NOI18N
        AS_StaffTab.setRowHeight(25);
        AS_StaffTab.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                AS_StaffTabMouseClicked(evt);
            }
        });
        jScrollPane1.setViewportView(AS_StaffTab);
        if (AS_StaffTab.getColumnModel().getColumnCount() > 0) {
            AS_StaffTab.getColumnModel().getColumn(0).setPreferredWidth(15);
            AS_StaffTab.getColumnModel().getColumn(3).setPreferredWidth(25);
            AS_StaffTab.getColumnModel().getColumn(4).setPreferredWidth(30);
            AS_StaffTab.getColumnModel().getColumn(5).setPreferredWidth(25);
        }
        AS_StaffIDL.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
        AS_StaffIDL.setText("Staff ID");
        AS_StaffIDF.setBorder(javax.swing.BorderFactory.createMatteBorder(0, 0, 1, 0, new java.awt.Color(0, 0, 0)));
        AS_StaffIDF.setPlaceholder("Update/Delete ONLY");
        AS_StaffIDF.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                AS_StaffIDFActionPerformed(evt);
            }
        });
        AI_ItemL.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
        AI_ItemL.setText("Staff Name");
        AS_NameF.setBorder(javax.swing.BorderFactory.createMatteBorder(0, 0, 1, 0, new java.awt.Color(0, 0, 0)));
        AS_ContL.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
        AS_ContL.setText("Contact");
        AS_ContF.setBorder(javax.swing.BorderFactory.createMatteBorder(0, 0, 1, 0, new java.awt.Color(0, 0, 0)));
        AS_ContF.addFocusListener(new java.awt.event.FocusAdapter() {
            public void focusLost(java.awt.event.FocusEvent evt) {
                AS_ContFFocusLost(evt);
            }
        });
        AI_StoreL.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
        AI_StoreL.setText("Hours");
        AS_HoursF.setBorder(javax.swing.BorderFactory.createMatteBorder(0, 0, 1, 0, new java.awt.Color(0, 0, 0)));
        AS_SalL.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
        AS_SalL.setText("Salary");
        AS_SalF.setBorder(javax.swing.BorderFactory.createMatteBorder(0, 0, 1, 0, new java.awt.Color(0, 0, 0)));
        AS_HoliL.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
        AS_HoliL.setText("Holidays");
        AS_HoliF.setBorder(javax.swing.BorderFactory.createMatteBorder(0, 0, 1, 0, new java.awt.Color(0, 0, 0)));
        AS_DelButt.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
        AS_DelButt.setText("DELETE");
        AS_DelButt.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                AS_DelButtActionPerformed(evt);
            }
        });
        AS_UpdateButt.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
        AS_UpdateButt.setText("UPDATE");
        AS_UpdateButt.addActionListener(new java.awt.event.ActionListener() {
```

```java
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                AS_UpdateButtActionPerformed(evt);
            }
        });
        AS_AddButt.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
        AS_AddButt.setText("ADD");
        AS_AddButt.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                AS_AddButtActionPerformed(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()
                .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(jPanel3Layout.createSequentialGroup()
                        .addGap(27, 27, 27)
                        .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                            .addComponent(AS_StaffIDL)
                            .addComponent(AI_ItemL)
                            .addComponent(AS_ContL)
                            .addComponent(AI_StoreL)
                            .addComponent(AS_SalL)
                            .addComponent(AS_HoliL))
                        .addGap(28, 28, 28)
                        .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                            .addComponent(AS_ContF, javax.swing.GroupLayout.PREFERRED_SIZE, 118,
javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(AS_NameF, javax.swing.GroupLayout.PREFERRED_SIZE, 156,
javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(AS_StaffIDF, javax.swing.GroupLayout.PREFERRED_SIZE, 119,
javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(AS_HoursF, javax.swing.GroupLayout.PREFERRED_SIZE, 72,
javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(AS_SalF, javax.swing.GroupLayout.PREFERRED_SIZE, 98,
javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(AS_HoliF, javax.swing.GroupLayout.PREFERRED_SIZE, 70,
javax.swing.GroupLayout.PREFERRED_SIZE)))
                    .addGroup(jPanel3Layout.createSequentialGroup()
                        .addGap(19, 19, 19)
                        .addComponent(AS_AddButt)
                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                        .addComponent(AS_UpdateButt)
                        .addGap(18, 18, 18)
                        .addComponent(AS_DelButt)))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 27, Short.MAX_VALUE)
                .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(20, 20, 20))       );
        jPanel3Layout.setVerticalGroup(
            jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel3Layout.createSequentialGroup()
                .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(jPanel3Layout.createSequentialGroup()
                        .addGap(34, 34, 34)
                        .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                            .addComponent(AS_StaffIDL)
                            .addComponent(AS_StaffIDF, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
                        .addGap(20, 20, 20)
                        .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                            .addComponent(AI_ItemL)
                            .addComponent(AS_NameF, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
                        .addGap(20, 20, 20)
                        .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                            .addComponent(AS_ContL)
                            .addComponent(AS_ContF, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                        .addGap(20, 20, 20)
                        .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE
```

```java
                        .addComponent(AI_StoreL)
                        .addComponent(AS_HoursF, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addGap(20, 20, 20)
                    .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                        .addComponent(AS_SalL)
                        .addComponent(AS_SalF, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addGap(20, 20, 20)
                    .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                        .addComponent(AS_HoliL)
                        .addComponent(AS_HoliF, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addGap(36, 36, 36)
                    .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                        .addComponent(AS_AddButt, javax.swing.GroupLayout.PREFERRED_SIZE, 30,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addComponent(AS_UpdateButt, javax.swing.GroupLayout.PREFERRED_SIZE, 30,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addComponent(AS_DelButt, javax.swing.GroupLayout.PREFERRED_SIZE, 30,
javax.swing.GroupLayout.PREFERRED_SIZE)))
                .addGroup(jPanel3Layout.createSequentialGroup()
                    .addGap(57, 57, 57)
                    .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 313,
javax.swing.GroupLayout.PREFERRED_SIZE)))
            .addContainerGap(58, Short.MAX_VALUE)));
    getContentPane().add(jPanel3, new org.netbeans.lib.awtextra.AbsoluteConstraints(160, 60, 780, 450));
    setSize(new java.awt.Dimension(954, 546));
    setLocationRelativeTo(null);
}
private void AS_LogoutLMouseClicked(java.awt.event.MouseEvent evt) {
    Login_Page pg = new Login_Page();
    pg.setVisible(true);
    this.dispose();
}
private void AS_OrdersLMouseClicked(java.awt.event.MouseEvent evt) {
    Admin_Orders ao = new Admin_Orders();
    ao.setVisible(true);
    this.dispose();
}
private void AS_InventoryLMouseClicked(java.awt.event.MouseEvent evt) {
    Admin_Inventory ai = new Admin_Inventory();
    ai.setVisible(true);
    this.dispose();
}
private void AS_AccountsLMouseClicked(java.awt.event.MouseEvent evt) {
    Admin_Accounts aa = new Admin_Accounts();
    aa.setVisible(true);
    this.dispose();
}
private void AS_HomeLMouseClicked(java.awt.event.MouseEvent evt) {
    Admin_Dashboard ad = new Admin_Dashboard();
    ad.setVisible(true);
    this.dispose();
}
private void AS_HomeLMouseEntered(java.awt.event.MouseEvent evt) {
    AD_HomeP.setBackground(mouseEnterColor);
}
private void AS_HomeLMouseExited(java.awt.event.MouseEvent evt) {
    AD_HomeP.setBackground(mouseExitColor);
}
private void AS_OrdersLMouseEntered(java.awt.event.MouseEvent evt) {
    AD_OrdersP.setBackground(mouseEnterColor);
}
private void AS_OrdersLMouseExited(java.awt.event.MouseEvent evt) {
    AD_OrdersP.setBackground(mouseExitColor);
}
private void AS_InventoryLMouseEntered(java.awt.event.MouseEvent evt) {
    AD_InventoryP.setBackground(mouseEnterColor);
}
private void AS_InventoryLMouseExited(java.awt.event.MouseEvent evt) {
    AD_InventoryP.setBackground(mouseExitColor);
}
```

```java
private void AS_AccountsLMouseEntered(java.awt.event.MouseEvent evt) {
    AD_AccountsP.setBackground(mouseEnterColor);
}
private void AS_AccountsLMouseExited(java.awt.event.MouseEvent evt) {
    AD_AccountsP.setBackground(mouseExitColor);
}
private void AS_DelButtActionPerformed(java.awt.event.ActionEvent evt) {
    if (deleteStaff() == true)
    {
        JOptionPane.showMessageDialog(this, "Staff Details Deleted");
        clearTable();
        setStaffToTable();
    }
    else
    {
        JOptionPane.showMessageDialog(this, "Error");
    }
}
private void AS_UpdateButtActionPerformed(java.awt.event.ActionEvent evt) {
    if (checkNumber() == true && checkFields() == true)
    {
        updateStaff();
        clearTable();
        setStaffToTable();
    }
    else
    {
        JOptionPane.showMessageDialog(this, "Check Information");
    }
}
private void AS_AddButtActionPerformed(java.awt.event.ActionEvent evt) {
    if (checkNumber() == true && checkFields() == true)
    {
        addStaff();
        clearTable();
        setStaffToTable();

    }
    else
    {
        JOptionPane.showMessageDialog(this, "Check Information");
    }
}
private void AS_StaffTabMouseClicked(java.awt.event.MouseEvent evt) {
    int rowNum = AS_StaffTab.getSelectedRow();
    TableModel model = AS_StaffTab.getModel();
    AS_StaffIDF.setText(model.getValueAt(rowNum, 0).toString());
    AS_NameF.setText(model.getValueAt(rowNum, 1).toString());
    AS_ContF.setText(model.getValueAt(rowNum, 2).toString());
    AS_HoursF.setText(model.getValueAt(rowNum, 3).toString());
    AS_SalF.setText(model.getValueAt(rowNum, 4).toString());
    AS_HoliF.setText(model.getValueAt(rowNum, 5).toString());
}
private void AS_ContFFocusLost(java.awt.event.FocusEvent evt) {
    // TODO add your handling code here:
    if (!AS_ContF.getText().trim().equals(""))
    {
        if (checkNumber()== false)
        {
            JOptionPane.showMessageDialog(this, "Phone Number Invalid");
        }
    }
}
public static void main(String args[]) {
    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(Admin_Staff.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
```

```
        } catch (InstantiationException ex) {
            java.util.logging.Logger.getLogger(Admin_Staff.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {
            java.util.logging.Logger.getLogger(Admin_Staff.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
            java.util.logging.Logger.getLogger(Admin_Staff.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        }
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new Admin_Staff().setVisible(true);
            }
        });
    }
    private javax.swing.JPanel AD_AccountsP;
    private javax.swing.JPanel AD_HomeP;
    private javax.swing.JPanel AD_InventoryP;
    private javax.swing.JPanel AD_LogoutP;
    private javax.swing.JPanel AD_OrdersP;
    private javax.swing.JPanel AD_StaffP;
    private javax.swing.JLabel AI_ItemL;
    private javax.swing.JLabel AI_StoreL;
    private javax.swing.JLabel AS_AccountsL;
    private javax.swing.JButton AS_AddButt;
    private app.bolivia.swing.JCTextField AS_ContF;
    private javax.swing.JLabel AS_ContL;
    private javax.swing.JButton AS_DelButt;
    private app.bolivia.swing.JCTextField AS_HoliF;
    private javax.swing.JLabel AS_HoliL;
    private javax.swing.JLabel AS_HomeL;
    private app.bolivia.swing.JCTextField AS_HoursF;
    private javax.swing.JLabel AS_InventoryL;
    private javax.swing.JLabel AS_LogoutL;
    private app.bolivia.swing.JCTextField AS_NameF;
    private javax.swing.JLabel AS_OrdersL;
    private app.bolivia.swing.JCTextField AS_SalF;
    private javax.swing.JLabel AS_SalL;
    private app.bolivia.swing.JCTextField AS_StaffIDF;
    private javax.swing.JLabel AS_StaffIDL;
    private javax.swing.JLabel AS_StaffL;
    private rojeru_san.complementos.RSTableMetro AS_StaffTab;
    private javax.swing.JButton AS_UpdateButt;
    private javax.swing.JPanel SD_Back;
    private javax.swing.JPanel SD_HomeP1;
    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;
}
```

Staff Screens

Staff Dashboard

```
import java.awt.Color;
import java.sql.*;
import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;
public class StaffDash extends javax.swing.JFrame {
    private String date;
    private DefaultTableModel model;
    Color mouseEnterColor = new Color(225,225,225);
    Color mouseExitColor = new Color(255,255,255);
    public StaffDash() {
        initComponents();
    }
    //Method to set today's order details
    public void setODToTable(){
        String ChosenDate = SD_DateEnteredF.getText();
        try {
```

```java
            Connection conn = DatabaseConnection.getConnection();
            PreparedStatement pst = conn.prepareStatement("select * from orders_details where delivery_date = ?");
            pst.setString(1, ChosenDate);

            ResultSet rs = pst.executeQuery();
            while(rs.next()){
                String orderID = rs.getString("Order_ID");
                String cusName = rs.getString("Customer_Name");
                String cusCont = rs.getString("Customer_Contact");
                String itemName = rs.getString("Item");
                int quan = rs.getInt("Quantity");
                float amountDue = rs.getFloat("Amount_Due");
                String deliveryTime = rs.getString("Delivery_Time");
                String stat = rs.getString("Stat");
                Object[] obj = {orderID, cusName, cusCont, itemName, quan, amountDue, deliveryTime, stat};
                model = (DefaultTableModel) SD_OrdersTab.getModel();
                model.addRow(obj);
            }
        } catch (Exception e) {
            e.printStackTrace();
        }
    }
        try {
            Connection conn = DatabaseConnection.getConnection();
            Statement st = conn.createStatement();
            st.executeQuery("select * from orders_details order by Delivery_Time");
        } catch (Exception e) {
            e.printStackTrace();
        }
    }
//Method to clear table
public void clearTable(){
    model = (DefaultTableModel) SD_OrdersTab.getModel();
    model.setRowCount(0);
}
//Method to check date
public boolean checkDate(){
    boolean valid = false;
    date = SD_DateEnteredF.getText();
    if (date.length() == 8)
    {
        String[] arrDate = date.split("/");
        if (arrDate.length == 3)
        {
            int day = Integer.parseInt(arrDate[0]);
            int month = Integer.parseInt(arrDate[1]);
            if (day <= 31 && month <= 12)
            {
                valid = true;
            }
        }
    }
    return valid;
}
@SuppressWarnings("unchecked")
private void initComponents() {
    SD_Back = new javax.swing.JPanel();
    jLabel1 = new javax.swing.JLabel();
    jLabel2 = new javax.swing.JLabel();
    jPanel2 = new javax.swing.JPanel();
    jPanel1 = new javax.swing.JPanel();
    SD_HomeP = new javax.swing.JPanel();
    SD_HomeL = new javax.swing.JLabel();
    SD_HomeP1 = new javax.swing.JPanel();
    SD_OrdersP = new javax.swing.JPanel();
```

```java
        SD_OrdersL = new javax.swing.JLabel();
        SD_InventoryP = new javax.swing.JPanel();
        SD_InventoryL = new javax.swing.JLabel();
        SD_AttendanceP = new javax.swing.JPanel();
        SD_AttendanceL = new javax.swing.JLabel();
        SD_LogoutP = new javax.swing.JPanel();
        SD_LogoutL = new javax.swing.JLabel();
        jPanel3 = new javax.swing.JPanel();
        jScrollPane1 = new javax.swing.JScrollPane();
        SD_OrdersTab = new rojeru_san.complementos.RSTableMetro();
        SD_TOL = new javax.swing.JLabel();
        SD_GetOrdersButt = new javax.swing.JButton();
        SD_EnterDateL = new javax.swing.JLabel();
        SD_DateEnteredF = new app.bolivia.swing.JCTextField();
        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        getContentPane().setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
        SD_Back.setBackground(new java.awt.Color(255, 204, 204));
        SD_Back.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
        jLabel1.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
        jLabel1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/icons/icons/DF2R.png")));
        SD_Back.add(jLabel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(850, 10, -1, -1));
        jLabel2.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/adminIcons/adminIcons/icons8_menu_48px_1.png")));
        SD_Back.add(jLabel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 5, -1, -1));
        jPanel2.setBackground(new java.awt.Color(255, 255, 255));
        javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
        jPanel2.setLayout(jPanel2Layout);
        jPanel2Layout.setHorizontalGroup(
            jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGap(0, 0, Short.MAX_VALUE)        );
        jPanel2Layout.setVerticalGroup(
            jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGap(0, 50, Short.MAX_VALUE)      );
        SD_Back.add(jPanel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(75, 0, -1, 50));
        getContentPane().add(SD_Back, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, 940, 60));
        jPanel1.setBackground(new java.awt.Color(255, 255, 255));
        jPanel1.setBorder(javax.swing.BorderFactory.createMatteBorder(0, 0, 0, 2, new java.awt.Color(0, 0, 0)));
        SD_HomeP.setBackground(new java.awt.Color(204, 204, 255));
        SD_HomeP.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
        SD_HomeL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
        SD_HomeL.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/adminIcons/adminIcons/home_24px.png")));
        SD_HomeL.setText("Home");
        SD_HomeL.setVerticalTextPosition(javax.swing.SwingConstants.TOP);
        SD_HomeP.add(SD_HomeL, new org.netbeans.lib.awtextra.AbsoluteConstraints(6, 6, 90, -1));
        SD_HomeP1.setBackground(new java.awt.Color(255, 102, 102));
        SD_HomeP1.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
        SD_OrdersP.setBackground(new java.awt.Color(255, 255, 255));
        SD_OrdersP.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
        SD_OrdersL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
        SD_OrdersL.setIcon(new javax.swing.ImageIcon(getClass().getResource("/icons/icons/Cupcake_IconR.png"))); //
NOI18N
        SD_OrdersL.setText("Orders");
        SD_OrdersL.setVerticalTextPosition(javax.swing.SwingConstants.TOP);
        SD_OrdersL.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                SD_OrdersLMouseClicked(evt);
            }
            public void mouseEntered(java.awt.event.MouseEvent evt) {
                SD_OrdersLMouseEntered(evt);
            }
            public void mouseExited(java.awt.event.MouseEvent evt) {
                SD_OrdersLMouseExited(evt);
            }
        });
```

```java
        SD_OrdersP.add(SD_OrdersL, new org.netbeans.lib.awtextra.AbsoluteConstraints(6, 6, 110, -1));
        SD_InventoryP.setBackground(new java.awt.Color(255, 255, 255));
        SD_InventoryP.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
        SD_InventoryL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
        SD_InventoryL.setIcon(new javax.swing.ImageIcon(getClass().getResource("/icons/icons/BreadR.png"))); // NOI18N
        SD_InventoryL.setText("Inventory");
        SD_InventoryL.setVerticalTextPosition(javax.swing.SwingConstants.TOP);
        SD_InventoryL.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                SD_InventoryLMouseClicked(evt);
            }
            public void mouseEntered(java.awt.event.MouseEvent evt) {
                SD_InventoryLMouseEntered(evt);
            }
            public void mouseExited(java.awt.event.MouseEvent evt) {
                SD_InventoryLMouseExited(evt);
            }
        });
        SD_InventoryP.add(SD_InventoryL, new org.netbeans.lib.awtextra.AbsoluteConstraints(6, 6, 140, -1));
        SD_AttendanceP.setBackground(new java.awt.Color(255, 255, 255));
        SD_AttendanceP.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
        SD_AttendanceL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
        SD_AttendanceL.setIcon(new javax.swing.ImageIcon(getClass().getResource("/icons/icons/Attendance_IconR.png")));
// NOI18N
        SD_AttendanceL.setText("Attendance");
        SD_AttendanceL.setVerticalTextPosition(javax.swing.SwingConstants.TOP);
        SD_AttendanceL.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                SD_AttendanceLMouseClicked(evt);
            }
            public void mouseEntered(java.awt.event.MouseEvent evt) {
                SD_AttendanceLMouseEntered(evt);
            }
            public void mouseExited(java.awt.event.MouseEvent evt) {
                SD_AttendanceLMouseExited(evt);
            }
        });
        SD_AttendanceP.add(SD_AttendanceL, new org.netbeans.lib.awtextra.AbsoluteConstraints(6, 6, -1, -1));
        SD_LogoutP.setBackground(new java.awt.Color(153, 153, 153));
        SD_LogoutP.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
        SD_LogoutL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
        SD_LogoutL.setIcon(new javax.swing.ImageIcon(getClass().getResource("/adminIcons/adminIcons/icons8_Exit_26px_2.png")));
        SD_LogoutL.setText("Logout");
        SD_LogoutL.setVerticalTextPosition(javax.swing.SwingConstants.TOP);
        SD_LogoutL.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                SD_LogoutLMouseClicked(evt);
            }
            public void mouseEntered(java.awt.event.MouseEvent evt) {
                SD_LogoutLMouseEntered(evt);
            }
        });
        SD_LogoutP.add(SD_LogoutL, new org.netbeans.lib.awtextra.AbsoluteConstraints(6, 6, -1, -1));
        javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
        jPanel1.setLayout(jPanel1Layout);
        jPanel1Layout.setHorizontalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addComponent(SD_OrdersP, javax.swing.GroupLayout.PREFERRED_SIZE, 158,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(SD_HomeP1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addGap(130, 130, 130))
```

```java
                .addGroup(jPanel1Layout.createSequentialGroup()
    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(SD_HomeP, javax.swing.GroupLayout.PREFERRED_SIZE, 158,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(SD_InventoryP, javax.swing.GroupLayout.PREFERRED_SIZE, 158,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(SD_AttendanceP, javax.swing.GroupLayout.PREFERRED_SIZE, 158,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(SD_LogoutP, javax.swing.GroupLayout.PREFERRED_SIZE, 158,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)));
    jPanel1Layout.setVerticalGroup(
        jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel1Layout.createSequentialGroup()
            .addGap(24, 24, 24)
            .addComponent(SD_HomeP, javax.swing.GroupLayout.PREFERRED_SIZE, 55,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addGap(55, 55, 55)
                    .addComponent(SD_HomeP1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addGap(18, 18, 18)
                    .addComponent(SD_OrdersP, javax.swing.GroupLayout.PREFERRED_SIZE, 55,
javax.swing.GroupLayout.PREFERRED_SIZE)))
            .addGap(18, 18, 18)
            .addComponent(SD_InventoryP, javax.swing.GroupLayout.PREFERRED_SIZE, 55,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(18, 18, 18)
            .addComponent(SD_AttendanceP, javax.swing.GroupLayout.PREFERRED_SIZE, 55,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(65, 65, 65)
            .addComponent(SD_LogoutP, javax.swing.GroupLayout.PREFERRED_SIZE, 55,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(32, 32, 32))        );
    getContentPane().add(jPanel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 60, 160, 450));
    jPanel3.setBackground(new java.awt.Color(255, 255, 255));
    SD_OrdersTab.setModel(new javax.swing.table.DefaultTableModel(
        new Object [][] {
        },
        new String [] {
            "Order ID", "Customer Name", "Contact", "Item", "Quantity", "Amount", "Time Due", "Status"
        }
    ));
    SD_OrdersTab.setColorBackgoundHead(new java.awt.Color(255, 204, 204));
    SD_OrdersTab.setColorFilasBackgound2(new java.awt.Color(255, 255, 255));
    SD_OrdersTab.setColorFilasForeground1(new java.awt.Color(153, 153, 153));
    SD_OrdersTab.setColorFilasForeground2(new java.awt.Color(153, 153, 153));
    SD_OrdersTab.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N
    SD_OrdersTab.setFuenteFilas(new java.awt.Font("Tahoma", 1, 10)); // NOI18N
    SD_OrdersTab.setFuenteFilasSelect(new java.awt.Font("Tahoma", 1, 10)); // NOI18N
    SD_OrdersTab.setFuenteHead(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
    SD_OrdersTab.setRowHeight(25);
    jScrollPane1.setViewportView(SD_OrdersTab);
    if (SD_OrdersTab.getColumnModel().getColumnCount() > 0) {
        SD_OrdersTab.getColumnModel().getColumn(0).setPreferredWidth(30);
        SD_OrdersTab.getColumnModel().getColumn(2).setPreferredWidth(40);
        SD_OrdersTab.getColumnModel().getColumn(4).setPreferredWidth(30);
        SD_OrdersTab.getColumnModel().getColumn(5).setPreferredWidth(35);
        SD_OrdersTab.getColumnModel().getColumn(6).setPreferredWidth(45);
        SD_OrdersTab.getColumnModel().getColumn(7).setPreferredWidth(50);
    }
    SD_TOL.setFont(new java.awt.Font("SimSun", 1, 36)); // NOI18N
    SD_TOL.setText("Today's Orders:");
```

```java
        SD_GetOrdersButt.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
        SD_GetOrdersButt.setText("Get Orders");
        SD_GetOrdersButt.addActionListener(new java.awt.event.ActionListener() {
          public void actionPerformed(java.awt.event.ActionEvent evt) {
             SD_GetOrdersButtActionPerformed(evt);
          }
        });
        SD_EnterDateL.setFont(new java.awt.Font("SimSun", 0, 18)); // NOI18N
        SD_EnterDateL.setText("Enter Date");
        SD_DateEnteredF.setBorder(javax.swing.BorderFactory.createMatteBorder(0, 0, 2, 2, new java.awt.Color(0, 0, 0)));
        SD_DateEnteredF.setPlaceholder("    DD/MM/YY");
        SD_DateEnteredF.addFocusListener(new java.awt.event.FocusAdapter() {
          public void focusLost(java.awt.event.FocusEvent evt) {
             SD_DateEnteredFFocusLost(evt);
          }
        });
        javax.swing.GroupLayout jPanel3Layout = new javax.swing.GroupLayout(jPanel3);
        jPanel3.setLayout(jPanel3Layout);
        jPanel3Layout.setHorizontalGroup(
          jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
          .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel3Layout.createSequentialGroup()
             .addContainerGap(51, Short.MAX_VALUE)
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
             .addGroup(jPanel3Layout.createSequentialGroup()
                .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 699,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(30, 30, 30))
             .addGroup(jPanel3Layout.createSequentialGroup()
                .addComponent(SD_TOL)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(SD_EnterDateL)
                .addGap(18, 18, 18)
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                   .addComponent(SD_DateEnteredF, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                   .addComponent(SD_GetOrdersButt))
                .addGap(16, 16, 16))))       );
        jPanel3Layout.setVerticalGroup(
          jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
          .addGroup(jPanel3Layout.createSequentialGroup()
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
             .addGroup(jPanel3Layout.createSequentialGroup()
                .addGap(38, 38, 38)
                .addComponent(SD_TOL))
             .addGroup(jPanel3Layout.createSequentialGroup()
                .addContainerGap()
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                   .addComponent(SD_DateEnteredF, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                   .addComponent(SD_EnterDateL))
                .addGap(18, 18, 18)
                .addComponent(SD_GetOrdersButt)))
             .addGap(8, 8, 8)
             .addComponent(jScrollPane1, javax.swing.GroupLayout.DEFAULT_SIZE, 356, Short.MAX_VALUE)
             .addContainerGap())       );
        getContentPane().add(jPanel3, new org.netbeans.lib.awtextra.AbsoluteConstraints(160, 60, 780, 450));
        setSize(new java.awt.Dimension(953, 550));
        setLocationRelativeTo(null);
     }
  private void SD_OrdersLMouseClicked(java.awt.event.MouseEvent evt) {
     StaffOrders sd = new StaffOrders();
     sd.setVisible(true);
     this.dispose();
  }
```

```java
    private void SD_LogoutLMouseClicked(java.awt.event.MouseEvent evt) {
        // TODO add your handling code here:
        Login_Page lp = new Login_Page();
        lp.setVisible(true);
        this.dispose();
    }
    private void SD_InventoryLMouseClicked(java.awt.event.MouseEvent evt) {
        StaffInventory si = new StaffInventory();
        si.setVisible(true);
        this.dispose();
    }
    private void SD_AttendanceLMouseClicked(java.awt.event.MouseEvent evt) {
        StaffAttendance sa = new StaffAttendance();
        sa.setVisible(true);
        this.dispose();
    }
    private void SD_GetOrdersButtActionPerformed(java.awt.event.ActionEvent evt) {
        clearTable();
        setODToTable();
        sortTable();
    }
    private void SD_OrdersLMouseEntered(java.awt.event.MouseEvent evt) {
        SD_OrdersP.setBackground(mouseEnterColor);
    }
    private void SD_OrdersLMouseExited(java.awt.event.MouseEvent evt) {
        SD_OrdersP.setBackground(mouseExitColor);
    }
    private void SD_InventoryLMouseEntered(java.awt.event.MouseEvent evt) {
        SD_InventoryP.setBackground(mouseEnterColor);
    }
    private void SD_InventoryLMouseExited(java.awt.event.MouseEvent evt) {
        SD_InventoryP.setBackground(mouseExitColor);
    }
    private void SD_AttendanceLMouseEntered(java.awt.event.MouseEvent evt) {
        SD_AttendanceP.setBackground(mouseEnterColor);
    }
    private void SD_AttendanceLMouseExited(java.awt.event.MouseEvent evt) {
        SD_AttendanceP.setBackground(mouseExitColor);
    }
    private void SD_DateEnteredFFocusLost(java.awt.event.FocusEvent evt) {
        if (!SD_DateEnteredF.getText().trim().equals(""))
        {
            if (checkDate() != true)
            {
                JOptionPane.showMessageDialog(this, "Invalid Date");
            }
        }
    }
    public static void main(String args[]) {
        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(StaffDash.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {
java.util.logging.Logger.getLogger(StaffDash.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {
java.util.logging.Logger.getLogger(StaffDash.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
java.util.logging.Logger.getLogger(StaffDash.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
```

```
        }
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new StaffDash().setVisible(true);
            }});
    }
    private javax.swing.JLabel SD_AttendanceL;
    private javax.swing.JPanel SD_AttendanceP;
    private javax.swing.JPanel SD_Back;
    private app.bolivia.swing.JCTextField SD_DateEnteredF;
    private javax.swing.JLabel SD_EnterDateL;
    private javax.swing.JButton SD_GetOrdersButt;
    private javax.swing.JLabel SD_HomeL;
    private javax.swing.JPanel SD_HomeP;
    private javax.swing.JPanel SD_HomeP1;
    private javax.swing.JLabel SD_InventoryL;
    private javax.swing.JPanel SD_InventoryP;
    private javax.swing.JLabel SD_LogoutL;
    private javax.swing.JPanel SD_LogoutP;
    private javax.swing.JLabel SD_OrdersL;
    private javax.swing.JPanel SD_OrdersP;
    private rojeru_san.complementos.RSTableMetro SD_OrdersTab;
    private javax.swing.JLabel SD_TOL;
    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;
}
```

Staff Orders

```
import java.awt.Color;
import java.sql.*;
import javax.swing.ButtonGroup;
import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;
import javax.swing.table.TableModel;
public class StaffOrders extends javax.swing.JFrame {
    private String cus_name, cus_cont, item, date, time, status, dish;
    private int Order_ID, quantity;
    private float amount;
    private DefaultTableModel model;
    Color mouseEnterColor = new Color(225,225,225);
    Color mouseExitColor = new Color(255,255,255);
    public StaffOrders() {
        initComponents();
        //setODToTable();
        ButtonGroup bg = new ButtonGroup();
        bg.add(SO_YesRB);
        bg.add(SO_NoRB);
    }
    //Method to set order order details
    public void setODToTable(String chosenMonth){
        try {
            Connection conn = DatabaseConnection.getConnection();
            PreparedStatement pst = conn.prepareStatement("select * from orders_details where Month = ?");
            pst.setString(1, chosenMonth);
            ResultSet rs = pst.executeQuery();
            while(rs.next()){
                String orderID = rs.getString("Order_ID");
                String cusName = rs.getString("Customer_Name");
                String cusCont = rs.getString("Customer_Contact");
                String itemName = rs.getString("Item");
                int quan = rs.getInt("Quantity");
                float amountDue = rs.getFloat("Amount_Due");
                String deliveryDate = rs.getString("Delivery_Date");
                String deliveryTime = rs.getString("Delivery_Time");
                String dishBool = rs.getString("Dish");
```

```java
                String stat = rs.getString("Stat");
                Object[] obj = {orderID, cusName, cusCont, itemName, quan, amountDue, deliveryDate, deliveryTime, dishBool, stat};
                model = (DefaultTableModel) SO_OrdersTab.getModel();
                model.addRow(obj);
            }
        } catch (Exception e) {
            e.printStackTrace();
        }
    }
//Method to add order
public void addOrder() {
    cus_name = SO_CusNameF.getText();
    cus_cont = SO_CusContF.getText();
    item = SO_ItemF.getText();
    quantity = Integer.parseInt(SO_QuantityF.getText());
    amount = Float.parseFloat(SO_AmountF.getText());
    date = SO_DateF.getText();
    time = SO_TimeF.getText();
    if (SO_YesRB.isSelected())
    {
        dish = "Yes";
    }
    else if(SO_NoRB.isSelected())
    {
        dish = "No";
    }
    status = SO_StatusCB.getSelectedItem().toString();
    //Getting month
    String month;
    String[] arrDate = date.split("/");
    String monthNum = arrDate[1];
    System.out.println(monthNum);
    switch (monthNum) {
        case "01":
            month = "January";
            break;
        case "02":
            month = "February";
            break;
        case "03":
            month = "March";
            break;
        case "04":
            month = "April";
            break;
        case "05":
            month = "May";
            break;
        case "06":
            month = "June";
            break;
        case "07":
            month = "July";
            break;
        case "08":
            month = "August";
            break;
        case "09":
            month = "September";
            break;
        case "10":
            month = "October";
            break;
        case "11":
            month = "November";
            break;
        default:
            month = "December";
            break;
    }
    try {
        Connection conn = DatabaseConnection.getConnection();
```

```java
        String sql = "insert into orders_details(Customer_Name, Customer_Contact, Item, Quantity, Amount_Due, Delivery_Date,
Delivery_Time, Dish, Stat, Month) values(?,?,?,?,?,?,?,?,?,?)";
        PreparedStatement pst = conn.prepareStatement(sql);
        pst.setString(1, cus_name);
        pst.setString(2, cus_cont);
        pst.setString(3, item);
        pst.setInt(4, quantity);
        pst.setFloat(5, amount);
        pst.setString(6, date);
        pst.setString(7, time);
        pst.setString(8, dish);
        pst.setString(9, status);
        pst.setString(10, month);
        int rowCOunt = pst.executeUpdate();
        if (rowCOunt > 0)
        {
            JOptionPane.showMessageDialog(this, "Order Added");
        }
    } catch (Exception e) {
        e.printStackTrace();
    }
}
//Method to clear table
public void clearTable(){
    model = (DefaultTableModel) SO_OrdersTab.getModel();
    model.setRowCount(0);
}
//Method to Update Order
public void updateOrder(){
    Order_ID = Integer.parseInt(SO_OrderIDF.getText());
    cus_name = SO_CusNameF.getText();
    cus_cont = SO_CusContF.getText();
    item = SO_ItemF.getText();
    quantity = Integer.parseInt(SO_QuantityF.getText());
    amount = Float.parseFloat(SO_AmountF.getText());
    date = SO_DateF.getText();
    time = SO_TimeF.getText();
    if (SO_YesRB.isSelected())
    {
        dish = "Yes";
    }
    else if(SO_NoRB.isSelected())
    {
        dish = "No";
    }
    status = SO_StatusCB.getSelectedItem().toString();
    try {
        Connection conn = DatabaseConnection.getConnection();
        String sql = "update orders_details set Customer_Name = ?, Customer_Contact = ?, Item = ?, Quantity = ?, Amount_Due = ?,
Delivery_Date = ?, Delivery_Time = ?, Dish = ?, Stat = ? where Order_ID = ?";
        PreparedStatement pst = conn.prepareStatement(sql);
        pst.setString(1, cus_name);
        pst.setString(2, cus_cont);
        pst.setString(3, item);
        pst.setInt(4, quantity);
        pst.setFloat(5, amount);
        pst.setString(6, date);
        pst.setString(7, time);
        pst.setString(8, dish);
        pst.setString(9, status);
        pst.setInt(10, Order_ID);
        int rowCount = pst.executeUpdate();
        if (rowCount > 0)
        {
            JOptionPane.showMessageDialog(this, "Order Updated");
        }
    } catch (Exception e) {
        e.printStackTrace();
    }
}
//Method to delete order
public boolean deleteOrder(){
    boolean deleted = false;
```

```java
            Order_ID = Integer.parseInt(SO_OrderIDF.getText());
            try {
                Connection conn = DatabaseConnection.getConnection();
                String sql = "delete from orders_details where Order_ID = ?";
                PreparedStatement pst = conn.prepareStatement(sql);
                pst.setInt(1, Order_ID);
                int count = pst.executeUpdate();
                if (count > 0)
                {
                    deleted = true;
                }
            } catch (Exception e) {
                e.printStackTrace();
            }
            return deleted;
        }
        //Method to check date
        public boolean checkDate(){
            boolean valid = false;
            date = SO_DateF.getText();
            if (date.length() == 8)
            {
                String[] arrDate = date.split("/");
                if (arrDate.length == 3)
                {
                    int day = Integer.parseInt(arrDate[0]);
                    int month = Integer.parseInt(arrDate[1]);
                    if (day <= 31 && month <= 12)
                    {
                        valid = true;
                    }
                }
            }
            return valid;
        }
        //Method to check time
        public boolean checkTime(){
            boolean valid = false;
            time = SO_TimeF.getText();
            if (time.length() == 8)
            {
                String[] arrSpaTim = time.split(" ");
                String per = arrSpaTim[1];
                String[] arrTime = arrSpaTim[0].split(":");
                int hour = Integer.parseInt(arrTime[0]);
                int min = Integer.parseInt(arrTime[1]);
                if (per.equals("am") || per.equals("pm"))
                {
                    if (hour <= 12 && min < 60)
                    {
                        valid = true;
                    }
                }
            }
            return valid;
        }
        //Method to check phone number
        public boolean checkNumber()
        {
            cus_cont = SO_CusContF.getText();
            boolean valid = false;
            char[] num = {'0', '1', '2', '3', '4','5','6','7','8','9'};
            int count = 0;
            if (cus_cont.length()==10)
            {
                for (int i = 0; i < 10; i++)
                {
                    for (int j = 0; j < 10; j++)
                    {
                        if (cus_cont.charAt(i)==(num[j]))
                        {
                            count++;
                        }
```

```java
                    }
                }
                if (count == 10)
                {
                    valid = true;
                }
            }
            return valid;
        }
    //Method to check if all information is entered
    public boolean checkFields()
    {
        cus_name = SO_CusNameF.getText();
        cus_cont = SO_CusContF.getText();
        item = SO_ItemF.getText();
        String quant = SO_QuantityF.getText();
        String amo = SO_AmountF.getText();
        date = SO_DateF.getText();
        time = SO_TimeF.getText();
        status = SO_StatusCB.getSelectedItem().toString();
        if(cus_name.trim().equals("") || cus_cont.trim().equals("") || item.trim().equals("") || quant.trim().equals("") || amo.trim().equals("")||
date.trim().equals("")|| time.trim().equals("")|| status.trim().equals(""))
        {
            JOptionPane.showMessageDialog(this, "Enter all information");
            return false;
        }
        if (!SO_YesRB.isSelected() & !SO_NoRB.isSelected())
        {
            JOptionPane.showMessageDialog(this, "Select a designation.");
            return false;
        }
        else
        {
            return true;
        }
    }
    @SuppressWarnings("unchecked")
    private void initComponents() {
        SD_Back = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        jPanel2 = new javax.swing.JPanel();
        jPanel1 = new javax.swing.JPanel();
        SD_HomeP = new javax.swing.JPanel();
        SD_HomeL = new javax.swing.JLabel();
        SD_HomeP1 = new javax.swing.JPanel();
        SD_HomeP2 = new javax.swing.JPanel();
        SD_OrdersL = new javax.swing.JLabel();
        SD_HomeP3 = new javax.swing.JPanel();
        SD_InventoryL = new javax.swing.JLabel();
        SD_HomeP4 = new javax.swing.JPanel();
        SD_AttendanceL = new javax.swing.JLabel();
        SD_HomeP5 = new javax.swing.JPanel();
        SD_LogoutL = new javax.swing.JLabel();
        jPanel3 = new javax.swing.JPanel();
        SO_OrderIDL = new javax.swing.JLabel();
        SO_OrderIDF = new app.bolivia.swing.JCTextField();
        SO_CusNameL = new javax.swing.JLabel();
        SO_CusNameF = new app.bolivia.swing.JCTextField();
        SO_CusContL = new javax.swing.JLabel();
        SO_CusContF = new app.bolivia.swing.JCTextField();
        SO_ItemL = new javax.swing.JLabel();
        SO_ItemF = new app.bolivia.swing.JCTextField();
        SO_QuantityL = new javax.swing.JLabel();
        SO_QuantityF = new app.bolivia.swing.JCTextField();
        SO_AmountL = new javax.swing.JLabel();
        SO_AmountF = new app.bolivia.swing.JCTextField();
        SO_DateL = new javax.swing.JLabel();
        SO_DateF = new app.bolivia.swing.JCTextField();
        SO_TimeL = new javax.swing.JLabel();
        SO_TimeF = new app.bolivia.swing.JCTextField();
        SO_StatusL = new javax.swing.JLabel();
        SO_AddButt = new javax.swing.JButton();
```

```java
SO_UpdateButt = new javax.swing.JButton();
SO_DeleteButt = new javax.swing.JButton();
jScrollPane1 = new javax.swing.JScrollPane();
SO_OrdersTab = new rojeru_san.complementos.RSTableMetro();
SO_SBML = new javax.swing.JLabel();
SO_GetOrdersButt = new javax.swing.JButton();
SO_DishL = new javax.swing.JLabel();
SO_YesRB = new javax.swing.JRadioButton();
SO_NoRB = new javax.swing.JRadioButton();
SO_MonthCB = new javax.swing.JComboBox<>();
SO_StatusCB = new javax.swing.JComboBox<>();
setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
getContentPane().setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
SD_Back.setBackground(new java.awt.Color(255, 204, 204));
SD_Back.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
jLabel1.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
jLabel1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/icons/icons/DF2R.png"))); // NOI18N
SD_Back.add(jLabel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(970, 10, -1, -1));
jLabel2.setIcon(new javax.swing.ImageIcon(getClass().getResource("/adminIcons/adminIcons/icons8_menu_48px_1.png")));
SD_Back.add(jLabel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 5, -1, -1));
jPanel2.setBackground(new java.awt.Color(255, 255, 255));
javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
jPanel2.setLayout(jPanel2Layout);
jPanel2Layout.setHorizontalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGap(0, 0, Short.MAX_VALUE)        );
jPanel2Layout.setVerticalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGap(0, 50, Short.MAX_VALUE));
SD_Back.add(jPanel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(75, 0, -1, 50));
getContentPane().add(SD_Back, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, 1040, 60));
jPanel1.setBackground(new java.awt.Color(255, 255, 255));
jPanel1.setBorder(javax.swing.BorderFactory.createMatteBorder(0, 0, 0, 2, new java.awt.Color(0, 0, 0)));
SD_HomeP.setBackground(new java.awt.Color(255, 255, 255));
SD_HomeP.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
SD_HomeL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
SD_HomeL.setIcon(new javax.swing.ImageIcon(getClass().getResource("/adminIcons/adminIcons/home_24px.png"))); // NOI18N
SD_HomeL.setText("Home");
SD_HomeL.setVerticalTextPosition(javax.swing.SwingConstants.TOP);
SD_HomeL.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        SD_HomeLMouseClicked(evt);
    }
    public void mouseEntered(java.awt.event.MouseEvent evt) {
        SD_HomeLMouseEntered(evt);
    }
    public void mouseExited(java.awt.event.MouseEvent evt) {
        SD_HomeLMouseExited(evt);
    }
});
SD_HomeP.add(SD_HomeL, new org.netbeans.lib.awtextra.AbsoluteConstraints(6, 6, 90, -1));
SD_HomeP1.setBackground(new java.awt.Color(255, 102, 102));
SD_HomeP1.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
SD_HomeP2.setBackground(new java.awt.Color(204, 204, 255));
SD_HomeP2.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
SD_OrdersL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
SD_OrdersL.setIcon(new javax.swing.ImageIcon(getClass().getResource("/icons/icons/Cupcake_IconR.png"))); // NOI18N
SD_OrdersL.setText("Orders");
SD_OrdersL.setVerticalTextPosition(javax.swing.SwingConstants.TOP);
SD_OrdersL.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        SD_OrdersLMouseClicked(evt);
    }
});
SD_HomeP2.add(SD_OrdersL, new org.netbeans.lib.awtextra.AbsoluteConstraints(6, 6, 110, -1));
SD_HomeP3.setBackground(new java.awt.Color(255, 255, 255));
SD_HomeP3.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
SD_InventoryL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
SD_InventoryL.setIcon(new javax.swing.ImageIcon(getClass().getResource("/icons/icons/BreadR.png"))); // NOI18N
SD_InventoryL.setText("Inventory");
SD_InventoryL.setVerticalTextPosition(javax.swing.SwingConstants.TOP);
SD_InventoryL.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
```

```java
                    SD_InventoryLMouseClicked(evt);
                }
                public void mouseEntered(java.awt.event.MouseEvent evt) {
                    SD_InventoryLMouseEntered(evt);
                }
                public void mouseExited(java.awt.event.MouseEvent evt) {
                    SD_InventoryLMouseExited(evt);
                }
            });
            SD_HomeP3.add(SD_InventoryL, new org.netbeans.lib.awtextra.AbsoluteConstraints(6, 6, 140, -1));
            SD_HomeP4.setBackground(new java.awt.Color(255, 255, 255));
            SD_HomeP4.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
            SD_AttendanceL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
            SD_AttendanceL.setIcon(new javax.swing.ImageIcon(getClass().getResource("/icons/icons/Attendance_IconR.png"))); // NOI18N
            SD_AttendanceL.setText("Attendance");
            SD_AttendanceL.setVerticalTextPosition(javax.swing.SwingConstants.TOP);
            SD_AttendanceL.addMouseListener(new java.awt.event.MouseAdapter() {
                public void mouseClicked(java.awt.event.MouseEvent evt) {
                    SD_AttendanceLMouseClicked(evt);
                }
                public void mouseEntered(java.awt.event.MouseEvent evt) {
                    SD_AttendanceLMouseEntered(evt);
                }
                public void mouseExited(java.awt.event.MouseEvent evt) {
                    SD_AttendanceLMouseExited(evt);
                }
            });
            SD_HomeP4.add(SD_AttendanceL, new org.netbeans.lib.awtextra.AbsoluteConstraints(6, 6, -1, -1));
            SD_HomeP5.setBackground(new java.awt.Color(153, 153, 153));
            SD_HomeP5.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
            SD_LogoutL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
            SD_LogoutL.setIcon(new javax.swing.ImageIcon(getClass().getResource("/adminIcons/adminIcons/icons8_Exit_26px_2.png")));
            SD_LogoutL.setText("Logout");
            SD_LogoutL.setVerticalTextPosition(javax.swing.SwingConstants.TOP);
            SD_LogoutL.addMouseListener(new java.awt.event.MouseAdapter() {
                public void mouseClicked(java.awt.event.MouseEvent evt) {
                    SD_LogoutLMouseClicked(evt);
                }
            });
            SD_HomeP5.add(SD_LogoutL, new org.netbeans.lib.awtextra.AbsoluteConstraints(6, 6, -1, -1));
            javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
            jPanel1.setLayout(jPanel1Layout);
            jPanel1Layout.setHorizontalGroup(
                jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addComponent(SD_HomeP2, javax.swing.GroupLayout.PREFERRED_SIZE, 158,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                    .addComponent(SD_HomeP1, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
                    .addGap(130, 130, 130))
                .addGroup(jPanel1Layout.createSequentialGroup()
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                        .addComponent(SD_HomeP, javax.swing.GroupLayout.PREFERRED_SIZE, 158,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addComponent(SD_HomeP3, javax.swing.GroupLayout.PREFERRED_SIZE, 158,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addComponent(SD_HomeP4, javax.swing.GroupLayout.PREFERRED_SIZE, 158,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addComponent(SD_HomeP5, javax.swing.GroupLayout.PREFERRED_SIZE, 158,
javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)));
            jPanel1Layout.setVerticalGroup(
                jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel1Layout.createSequentialGroup()
                    .addGap(24, 24, 24)
                    .addComponent(SD_HomeP, javax.swing.GroupLayout.PREFERRED_SIZE, 55, javax.swing.GroupLayout.PREFERRED_SIZE)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                        .addGroup(jPanel1Layout.createSequentialGroup()
                            .addGap(55, 55, 55)
                            .addComponent(SD_HomeP1, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                        .addGroup(jPanel1Layout.createSequentialGroup()
```

```
                .addGap(18, 18, 18)
                .addComponent(SD_HomeP2, javax.swing.GroupLayout.PREFERRED_SIZE, 55,
javax.swing.GroupLayout.PREFERRED_SIZE)))
            .addGap(18, 18, 18)
            .addComponent(SD_HomeP3, javax.swing.GroupLayout.PREFERRED_SIZE, 55,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(18, 18, 18)
            .addComponent(SD_HomeP4, javax.swing.GroupLayout.PREFERRED_SIZE, 55,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(65, 65, 65)
            .addComponent(SD_HomeP5, javax.swing.GroupLayout.PREFERRED_SIZE, 55,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(32, 32, 32))        );
        getContentPane().add(jPanel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 60, 160, 450));
        jPanel3.setBackground(new java.awt.Color(255, 255, 255));
        jPanel3.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
        SO_OrderIDL.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
        SO_OrderIDL.setText("Order ID");
        jPanel3.add(SO_OrderIDL, new org.netbeans.lib.awtextra.AbsoluteConstraints(17, 36, -1, -1));

        SO_OrderIDF.setBorder(javax.swing.BorderFactory.createMatteBorder(0, 0, 1, 0, new java.awt.Color(0, 0, 0)));
        SO_OrderIDF.setPlaceholder("Update/Delete ONLY");
        jPanel3.add(SO_OrderIDF, new org.netbeans.lib.awtextra.AbsoluteConstraints(136, 26, 130, 25));
        SO_CusNameL.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
        SO_CusNameL.setText("Customer Name");
        jPanel3.add(SO_CusNameL, new org.netbeans.lib.awtextra.AbsoluteConstraints(17, 66, -1, -1));
        SO_CusNameF.setBorder(javax.swing.BorderFactory.createMatteBorder(0, 0, 1, 0, new java.awt.Color(0, 0, 0)));
        jPanel3.add(SO_CusNameF, new org.netbeans.lib.awtextra.AbsoluteConstraints(151, 56, 115, 25));
        SO_CusContL.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
        SO_CusContL.setText("Customer Conatact");
        jPanel3.add(SO_CusContL, new org.netbeans.lib.awtextra.AbsoluteConstraints(17, 106, -1, -1));
        SO_CusContF.setBorder(javax.swing.BorderFactory.createMatteBorder(0, 0, 1, 0, new java.awt.Color(0, 0, 0)));
        SO_CusContF.addFocusListener(new java.awt.event.FocusAdapter() {
            public void focusLost(java.awt.event.FocusEvent evt) {
                SO_CusContFFocusLost(evt);
            }
        });
        jPanel3.add(SO_CusContF, new org.netbeans.lib.awtextra.AbsoluteConstraints(151, 96, 115, 25));
        SO_ItemL.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
        SO_ItemL.setText("Item");
        jPanel3.add(SO_ItemL, new org.netbeans.lib.awtextra.AbsoluteConstraints(17, 146, -1, -1));
        SO_ItemF.setBorder(javax.swing.BorderFactory.createMatteBorder(0, 0, 1, 0, new java.awt.Color(0, 0, 0)));
        jPanel3.add(SO_ItemF, new org.netbeans.lib.awtextra.AbsoluteConstraints(151, 136, 115, 25));
        SO_QuantityL.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
        SO_QuantityL.setText("Quantity");
        jPanel3.add(SO_QuantityL, new org.netbeans.lib.awtextra.AbsoluteConstraints(17, 186, -1, -1));
        SO_QuantityF.setBorder(javax.swing.BorderFactory.createMatteBorder(0, 0, 1, 0, new java.awt.Color(0, 0, 0)));
        jPanel3.add(SO_QuantityF, new org.netbeans.lib.awtextra.AbsoluteConstraints(151, 186, 115, 25));
        SO_AmountL.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
        SO_AmountL.setText("Amount Due");
        jPanel3.add(SO_AmountL, new org.netbeans.lib.awtextra.AbsoluteConstraints(17, 236, -1, -1));
        SO_AmountF.setBorder(javax.swing.BorderFactory.createMatteBorder(0, 0, 1, 0, new java.awt.Color(0, 0, 0)));
        jPanel3.add(SO_AmountF, new org.netbeans.lib.awtextra.AbsoluteConstraints(151, 226, 115, 25));
        SO_DateL.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
        SO_DateL.setText("Delivery Date");
        jPanel3.add(SO_DateL, new org.netbeans.lib.awtextra.AbsoluteConstraints(17, 276, -1, -1));
        SO_DateF.setBorder(javax.swing.BorderFactory.createMatteBorder(0, 0, 1, 0, new java.awt.Color(0, 0, 0)));
        SO_DateF.setPlaceholder("DD/MM/YY");
        SO_DateF.addFocusListener(new java.awt.event.FocusAdapter() {
            public void focusLost(java.awt.event.FocusEvent evt) {
                SO_DateFFocusLost(evt);
            }
        });
        jPanel3.add(SO_DateF, new org.netbeans.lib.awtextra.AbsoluteConstraints(151, 266, 115, 25));
        SO_TimeL.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
        SO_TimeL.setText("Delivery Time");
        jPanel3.add(SO_TimeL, new org.netbeans.lib.awtextra.AbsoluteConstraints(17, 316, -1, -1));
        SO_TimeF.setBorder(javax.swing.BorderFactory.createMatteBorder(0, 0, 1, 0, new java.awt.Color(0, 0, 0)));
        SO_TimeF.setPlaceholder("HH:MM am/pm");
        SO_TimeF.addFocusListener(new java.awt.event.FocusAdapter() {
            public void focusLost(java.awt.event.FocusEvent evt) {
                SO_TimeFFocusLost(evt);
            }
```

```java
        });
        jPanel3.add(SO_TimeF, new org.netbeans.lib.awtextra.AbsoluteConstraints(153, 306, 115, 25));
        SO_StatusL.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
        SO_StatusL.setText("Status");
        jPanel3.add(SO_StatusL, new org.netbeans.lib.awtextra.AbsoluteConstraints(19, 384, -1, -1));
        SO_AddButt.setFont(new java.awt.Font("SimSun", 0, 12)); // NOI18N
        SO_AddButt.setText("ADD");
        SO_AddButt.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                SO_AddButtActionPerformed(evt);
            }
        });
        jPanel3.add(SO_AddButt, new org.netbeans.lib.awtextra.AbsoluteConstraints(17, 406, 75, 30));
        SO_UpdateButt.setFont(new java.awt.Font("SimSun", 0, 12)); // NOI18N
        SO_UpdateButt.setText("UPDATE");
        SO_UpdateButt.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                SO_UpdateButtActionPerformed(evt);
            }
        });
        jPanel3.add(SO_UpdateButt, new org.netbeans.lib.awtextra.AbsoluteConstraints(107, 406, 75, 30));

        SO_DeleteButt.setFont(new java.awt.Font("SimSun", 0, 12)); // NOI18N
        SO_DeleteButt.setText("DELETE");
        SO_DeleteButt.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                SO_DeleteButtActionPerformed(evt);
            }
        });
        jPanel3.add(SO_DeleteButt, new org.netbeans.lib.awtextra.AbsoluteConstraints(197, 406, 75, 30));
        SO_OrdersTab.setModel(new javax.swing.table.DefaultTableModel(
            new Object [][] {},
            new String [] {
                "ID", "Name", "Contact", "Item", "Quantity", "Due", "Date", "Time", "Dish", "Status"
            }
        ));
        SO_OrdersTab.setColorBackgoundHead(new java.awt.Color(255, 204, 204));
        SO_OrdersTab.setColorFilasBackgound2(new java.awt.Color(255, 255, 255));
        SO_OrdersTab.setColorFilasForeground1(new java.awt.Color(153, 153, 153));
        SO_OrdersTab.setColorFilasForeground2(new java.awt.Color(153, 153, 153));
        SO_OrdersTab.setFont(new java.awt.Font("Segoe UI", 0, 10)); // NOI18N
        SO_OrdersTab.setFuenteFilas(new java.awt.Font("Tahoma", 0, 10)); // NOI18N
        SO_OrdersTab.setFuenteFilasSelect(new java.awt.Font("Tahoma", 0, 10)); // NOI18N
        SO_OrdersTab.setFuenteHead(new java.awt.Font("Tahoma", 1, 10)); // NOI18N
        SO_OrdersTab.setRowHeight(25);
        SO_OrdersTab.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                SO_OrdersTabMouseClicked(evt);
            }
        });
        jScrollPane1.setViewportView(SO_OrdersTab);
        if (SO_OrdersTab.getColumnModel().getColumnCount() > 0) {
            SO_OrdersTab.getColumnModel().getColumn(0).setPreferredWidth(10);
            SO_OrdersTab.getColumnModel().getColumn(2).setPreferredWidth(40);
            SO_OrdersTab.getColumnModel().getColumn(4).setPreferredWidth(25);
            SO_OrdersTab.getColumnModel().getColumn(5).setPreferredWidth(25);
            SO_OrdersTab.getColumnModel().getColumn(6).setPreferredWidth(30);
            SO_OrdersTab.getColumnModel().getColumn(7).setPreferredWidth(35);
            SO_OrdersTab.getColumnModel().getColumn(8).setPreferredWidth(15);
        }
        jPanel3.add(jScrollPane1, new org.netbeans.lib.awtextra.AbsoluteConstraints(284, 74, 590, 318));
        SO_SBML.setFont(new java.awt.Font("SimSun", 0, 18)); // NOI18N
        SO_SBML.setText("Filter By Month");
        jPanel3.add(SO_SBML, new org.netbeans.lib.awtextra.AbsoluteConstraints(352, 26, -1, -1));
        SO_GetOrdersButt.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
        SO_GetOrdersButt.setText("Get Orders");
        SO_GetOrdersButt.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                SO_GetOrdersButtActionPerformed(evt);
            }});
        jPanel3.add(SO_GetOrdersButt, new org.netbeans.lib.awtextra.AbsoluteConstraints(647, 16, 110, 40));
        SO_DishL.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
        SO_DishL.setText("Dish");
```

```java
        jPanel3.add(SO_DishL, new org.netbeans.lib.awtextra.AbsoluteConstraints(17, 350, -1, -1));
        SO_YesRB.setText("Yes");
        jPanel3.add(SO_YesRB, new org.netbeans.lib.awtextra.AbsoluteConstraints(146, 350, -1, -1));
        SO_NoRB.setText("No");
        jPanel3.add(SO_NoRB, new org.netbeans.lib.awtextra.AbsoluteConstraints(216, 350, -1, -1));
        SO_MonthCB.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Select Month", "January", "February",
"March", "April", "May", "June", "July", "August", "September", "October", "November", "December" }));
        SO_MonthCB.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                SO_MonthCBActionPerformed(evt);
            }
        });
        jPanel3.add(SO_MonthCB, new org.netbeans.lib.awtextra.AbsoluteConstraints(505, 26, 120, -1));
        SO_StatusCB.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Select Status", "Received", "Preparing",
"Ready", "Delivered", "Returned", "Cancelled" }));
        jPanel3.add(SO_StatusCB, new org.netbeans.lib.awtextra.AbsoluteConstraints(150, 380, 120, -1));
        getContentPane().add(jPanel3, new org.netbeans.lib.awtextra.AbsoluteConstraints(160, 60, 880, 450));
        setSize(new java.awt.Dimension(1053, 550));
        setLocationRelativeTo(null);
    }
    private void SD_LogoutLMouseClicked(java.awt.event.MouseEvent evt) {
        Login_Page lp = new Login_Page();
        lp.setVisible(true);
        this.dispose();
    }
    private void SD_HomeLMouseClicked(java.awt.event.MouseEvent evt) {
        StaffDash sd = new StaffDash();
        sd.setVisible(true);
        this.dispose();
    }
    private void SD_InventoryLMouseClicked(java.awt.event.MouseEvent evt) {
        StaffInventory si = new StaffInventory();
        si.setVisible(true);
        this.dispose();
    }
    private void SD_AttendanceLMouseClicked(java.awt.event.MouseEvent evt) {
        StaffAttendance sa = new StaffAttendance();
        sa.setVisible(true);
        this.dispose();
    }
    private void SO_AddButtActionPerformed(java.awt.event.ActionEvent evt) {
        String chosenMonth = SO_MonthCB.getSelectedItem().toString();
        if (checkDate() == true && checkNumber() == true && checkTime() == true && checkFields() == true)
        {
            addOrder();
            clearTable();
            setODToTable(chosenMonth);
        }
        else
        {
            JOptionPane.showMessageDialog(this, "Check Information");
        }
    }
    private void SO_UpdateButtActionPerformed(java.awt.event.ActionEvent evt) {
        String chosenMonth = SO_MonthCB.getSelectedItem().toString();
        if (checkDate() == true && checkNumber() == true && checkTime() == true && checkFields() == true)
        {
            updateOrder();
            clearTable();
            setODToTable(chosenMonth);
        }
        else
        {
            JOptionPane.showMessageDialog(this, "Check Information");
        }
    }
    private void SO_DeleteButtActionPerformed(java.awt.event.ActionEvent evt) {
        String chosenMonth = SO_MonthCB.getSelectedItem().toString();
        if (deleteOrder() == true)
        {
            JOptionPane.showMessageDialog(this, "Order Deleted");
            clearTable();
            setODToTable(chosenMonth);
```

```java
        }
        else
        {
            JOptionPane.showMessageDialog(this, "Error");
        }
    }
    private void SO_OrdersTabMouseClicked(java.awt.event.MouseEvent evt) {
        int rowNum = SO_OrdersTab.getSelectedRow();
        TableModel model = SO_OrdersTab.getModel();
        SO_OrderIDF.setText(model.getValueAt(rowNum, 0).toString());
        SO_CusNameF.setText(model.getValueAt(rowNum, 1).toString());
        SO_CusContF.setText(model.getValueAt(rowNum, 2).toString());
        SO_ItemF.setText(model.getValueAt(rowNum, 3).toString());
        SO_QuantityF.setText(model.getValueAt(rowNum, 4).toString());
        SO_AmountF.setText(model.getValueAt(rowNum, 5).toString());
        SO_DateF.setText(model.getValueAt(rowNum, 6).toString());
        SO_TimeF.setText(model.getValueAt(rowNum, 7).toString());
        if (model.getValueAt(rowNum, 8).toString().equals("Yes"))
        {
            SO_YesRB.setSelected(true);
        }
        else if(model.getValueAt(rowNum, 8).toString().equals("No"))
        {
            SO_NoRB.setSelected(true);
        }
        SO_StatusCB.setSelectedItem(model.getValueAt(rowNum, 9));
    }
    private void SD_HomeLMouseEntered(java.awt.event.MouseEvent evt) {
        SD_HomeP.setBackground(mouseEnterColor);
    }
    private void SD_HomeLMouseExited(java.awt.event.MouseEvent evt) {
        SD_HomeP.setBackground(mouseExitColor);
    }
    private void SD_InventoryLMouseEntered(java.awt.event.MouseEvent evt) {
        SD_HomeP3.setBackground(mouseEnterColor);
    }
    private void SD_InventoryLMouseExited(java.awt.event.MouseEvent evt) {
        SD_HomeP3.setBackground(mouseExitColor);
    }
    private void SD_AttendanceLMouseEntered(java.awt.event.MouseEvent evt) {
        SD_HomeP4.setBackground(mouseEnterColor);
    }
    private void SD_AttendanceLMouseExited(java.awt.event.MouseEvent evt) {
        SD_HomeP4.setBackground(mouseExitColor);
    }
    private void SO_GetOrdersButtActionPerformed(java.awt.event.ActionEvent evt) {
        String chosenMonth = SO_MonthCB.getSelectedItem().toString();
        clearTable();
        setODToTable(chosenMonth);
    }
    private void SO_DateFFocusLost(java.awt.event.FocusEvent evt) {
        if (!SO_DateF.getText().trim().equals(""))
        {
            if (checkDate() != true)
            {
                JOptionPane.showMessageDialog(this, "Invalid Date");
            }
        }
    }
    private void SO_CusContFFocusLost(java.awt.event.FocusEvent evt) {
        if (!SO_CusContF.getText().trim().equals(""))
        {
            if (checkNumber()== false)
            {
                JOptionPane.showMessageDialog(this, "Phone Number Invalid");
            }
        }
    }
    private void SO_TimeFFocusLost(java.awt.event.FocusEvent evt) {
        if (!SO_TimeF.getText().trim().equals(""))
        {
            if (checkTime()== false)
            {
```

```java
                JOptionPane.showMessageDialog(this, "Invalid Time");
            }
        }
    }
    public static void main(String args[]) {
        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(StaffOrders.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {
java.util.logging.Logger.getLogger(StaffOrders.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {
java.util.logging.Logger.getLogger(StaffOrders.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
java.util.logging.Logger.getLogger(StaffOrders.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        }
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new StaffOrders().setVisible(true);
            }});
    }
    private javax.swing.JLabel SD_AttendanceL;
    private javax.swing.JPanel SD_Back;
    private javax.swing.JLabel SD_HomeL;
    private javax.swing.JPanel SD_HomeP;
    private javax.swing.JPanel SD_HomeP1;
    private javax.swing.JPanel SD_HomeP2;
    private javax.swing.JPanel SD_HomeP3;
    private javax.swing.JPanel SD_HomeP4;
    private javax.swing.JPanel SD_HomeP5;
    private javax.swing.JLabel SD_InventoryL;
    private javax.swing.JLabel SD_LogoutL;
    private javax.swing.JLabel SD_OrdersL;
    private javax.swing.JButton SO_AddButt;
    private app.bolivia.swing.JCTextField SO_AmountF;
    private javax.swing.JLabel SO_AmountL;
    private app.bolivia.swing.JCTextField SO_CusContF;
    private javax.swing.JLabel SO_CusContL;
    private app.bolivia.swing.JCTextField SO_CusNameF;
    private javax.swing.JLabel SO_CusNameL;
    private app.bolivia.swing.JCTextField SO_DateF;
    private javax.swing.JLabel SO_DateL;
    private javax.swing.JButton SO_DeleteButt;
    private javax.swing.JLabel SO_DishL;
    private javax.swing.JButton SO_GetOrdersButt;
    private app.bolivia.swing.JCTextField SO_ItemF;
    private javax.swing.JLabel SO_ItemL;
    private javax.swing.JComboBox<String> SO_MonthCB;
    private javax.swing.JRadioButton SO_NoRB;
    private app.bolivia.swing.JCTextField SO_OrderIDF;
    private javax.swing.JLabel SO_OrderIDL;
    private rojeru_san.complementos.RSTableMetro SO_OrdersTab;
    private app.bolivia.swing.JCTextField SO_QuantityF;
    private javax.swing.JLabel SO_QuantityL;
    private javax.swing.JLabel SO_SBML;
    private javax.swing.JComboBox<String> SO_StatusCB;
    private javax.swing.JLabel SO_StatusL;
    private app.bolivia.swing.JCTextField SO_TimeF;
    private javax.swing.JLabel SO_TimeL;
    private javax.swing.JButton SO_UpdateButt;
    private javax.swing.JRadioButton SO_YesRB;
    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;
}
```

```java
import java.awt.Color;
import java.sql.*;
import java.util.ArrayList;
import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;
public class StaffInventory extends javax.swing.JFrame {
    private String item, type, store, date;
    private int quant;
    private float price;
    private DefaultTableModel model;
    Color mouseEnterColor = new Color(225,225,225);
    Color mouseExitColor = new Color(255,255,255);
    public StaffInventory() {
        initComponents();
        getItem();
    }
    //Method to calculate current inventory
    public void getInven() {
        String findItem = SI_ItemCB.getSelectedItem().toString();
        int totQuan = 0;
        int useQuan = 0;
        int currQuan;
        //Bought Inventory
        try {
            Connection conn = DatabaseConnection.getConnection();
            PreparedStatement pst = conn.prepareStatement("select * from inventory where Item = ?");
            pst.setString(1, findItem);
            ResultSet rs = pst.executeQuery();
            while (rs.next())
            {
                int quantity = rs.getInt("Quantity");
                totQuan = totQuan + quantity;
            }
        } catch (Exception e) {
            e.printStackTrace();
        }
        //Used Inventory
        try {
            Connection conn = DatabaseConnection.getConnection();
            PreparedStatement pst = conn.prepareStatement("select * from used_inventory where Item = ?");
            pst.setString(1, findItem);
            ResultSet rs = pst.executeQuery();
            while (rs.next())
            {
                int quantity = rs.getInt("Quantity");
                useQuan = useQuan + quantity;
            }
        } catch (Exception e) {
            e.printStackTrace();
        }
        //Current inventory
        currQuan = totQuan - useQuan;
        //Set Current Inventory details to table
        try {
            Connection conn = DatabaseConnection.getConnection();
            PreparedStatement pst = conn.prepareStatement("select * from inventory where Item = ?");
            pst.setString(1, findItem);
            ResultSet rs = pst.executeQuery();
            if (rs.next())
            {
                String iType = rs.getString("Type");
                String iStore = rs.getString("Store");
                float iPrice = rs.getFloat("Price");
                Object[] obj = {findItem, iType, iStore, currQuan, iPrice};
```

```java
                model = (DefaultTableModel) SI_InvenTab.getModel();
                model.addRow(obj);
            }
        } catch (Exception e) {
            e.printStackTrace();
        }
    }
    //Method to set details to fields
    public void setInvenToFields(){
        item = SI_ItemF.getText();
        try {
            Connection conn = DatabaseConnection.getConnection();
            PreparedStatement pst = conn.prepareStatement("select * from inventory where Item = ?");
            pst.setString(1, item);
            ResultSet rs = pst.executeQuery();
            if (rs.next())
            {
                String iType = rs.getString("Type");
                String iStore = rs.getString("Store");
                float iPrice = rs.getFloat("Price");
                String iPriceS = String.valueOf(iPrice);
                SI_TypeF.setText(iType);
                SI_StoreF.setText(iStore);
                SI_PriceF.setText(iPriceS);
            }
            else
            {
                SI_TypeF.setText("");
                SI_StoreF.setText("");
                SI_PriceF.setText("");
            }
        } catch (Exception e) {
            e.printStackTrace();
        }
    }

    //Method to add item
    public void addItem() {
        item = SI_ItemF.getText();
        type = SI_TypeF.getText();
        store = SI_StoreF.getText();
        quant = Integer.parseInt(SI_QuantF.getText());
        price = Float.parseFloat(SI_PriceF.getText());
        date = SI_DateF.getText();
        //Getting month
        String month;
        String[] arrDate = date.split("/");
        String monthNum = arrDate[1];
        //System.out.println(monthNum);
        switch (monthNum) {
            case "01":
                month = "January";
                break;
            case "02":
                month = "February";
                break;
            case "03":
                month = "March";
                break;
            case "04":
                month = "April";
                break;
            case "05":
                month = "May";
                break;
```

```java
        case "06":
           month = "June";
           break;
        case "07":
           month = "July";
           break;
        case "08":
           month = "August";
           break;
        case "09":
           month = "September";
           break;
        case "10":
           month = "October";
           break;
        case "11":
           month = "November";
           break;
        default:
           month = "December";
           break;
    }
    try {
       Connection conn = DatabaseConnection.getConnection();
       String sql = "insert into inventory(Item, Type, Store, Quantity, Price, Date, Month) values(?,?,?,?,?,?,?)";
       PreparedStatement pst = conn.prepareStatement(sql);
       pst.setString(1, item);
       pst.setString(2, type);
       pst.setString(3, store);
       pst.setInt(4, quant);
       pst.setFloat(5, price);
       pst.setString(6, date);
       pst.setString(7, month);
       int rowCOunt = pst.executeUpdate();
       if (rowCOunt > 0)
       {
          JOptionPane.showMessageDialog(this, "Item Added");
       }
    } catch (Exception e) {
       e.printStackTrace();
    }
}
//Method to clear table
public void clearTable(){
    model = (DefaultTableModel) SI_InvenTab.getModel();
    model.setRowCount(0);
}
//Method to "use" item
public boolean useItem(){
    boolean used = false;
    model = (DefaultTableModel) SI_InvenTab.getModel();
    item = SI_ItemF.getText();
    quant = Integer.parseInt(SI_QuantF.getText());
    int exQuant = (int) model.getValueAt(0, 3);
    if (exQuant >= quant)
    {
       try {
          Connection conn = DatabaseConnection.getConnection();
          String sql = "insert into used_inventory(Item, Quantity) values(?,?)";
          PreparedStatement pst = conn.prepareStatement(sql);
          pst.setString(1, item);
          pst.setInt(2, quant);
          int rowCOunt = pst.executeUpdate();
          if (rowCOunt > 0)
          {
```

```java
                    used = true;
                }
            } catch (Exception e) {
                e.printStackTrace();
            }
        }
        else
        {
            JOptionPane.showMessageDialog(this, "Quantity Unavailable");
        }
        return used;
    }
    //Method to check date
    public boolean checkDate(){
        boolean valid = false;
        date = SI_DateF.getText();
        if (date.length() == 8)
        {
            String[] arrDate = date.split("/");
            if (arrDate.length == 3)
            {
                int day = Integer.parseInt(arrDate[0]);
                int month = Integer.parseInt(arrDate[1]);
                if (day <= 31 && month <= 12)
                {
                    valid = true;
                }
            }
        }
        return valid;
    }
    //Method to check if all information is entered
    public boolean checkFields()
    {
        item = SI_ItemF.getText();
        type = SI_TypeF.getText();
        store = SI_StoreF.getText();
        String quan = SI_QuantF.getText();
        String pric = SI_PriceF.getText();
        date = SI_DateF.getText();
        if(item.trim().equals("") || type.trim().equals("") || store.trim().equals("") || quan.trim().equals("") ||
pric.trim().equals("")|| date.trim().equals(""))
        {
            JOptionPane.showMessageDialog(this, "Enter all information");
            return false;
        }
        else
        {
            return true;
        }
    }
    //Method to get item names
    public void getItem(){
        ArrayList<String> reItems = new ArrayList<String>();
        //Inserting all items in combobox from database: database -> combobox
        try {
            Connection conn = DatabaseConnection.getConnection();
            Statement st = conn.createStatement();
            ResultSet rs = st.executeQuery("Select * from inventory");
            while (rs.next()){
                String iName = rs.getString("Item");
                SI_ItemCB.addItem(iName);
            }
        } catch (Exception e) {
            e.printStackTrace();
```

```java
    }
    //creating array of combobox: combobox -> array
    for (int j = 0; j < SI_ItemCB.getItemCount(); j++)
    {
        reItems.add(SI_ItemCB.getItemAt(j));
    }
    //creating new array list to only add unique items: null array list
    ArrayList<String> unItems = new ArrayList<String>();
    //for each loop to add unique items to array list:  combo array -> array list
    for (String i : reItems){
        if (!unItems.contains(i))
        {
            unItems.add(i);
        }
    }
    //removing all items from combobox -> empty combobox
    SI_ItemCB.removeAllItems();
    //adding unique items to combobox: array list -> combobox
    for (int k = 0; k < unItems.size(); k++)
    {
        SI_ItemCB.addItem(unItems.get(k));
    }
}
@SuppressWarnings("unchecked")
private void initComponents() {
    SD_Back = new javax.swing.JPanel();
    jLabel1 = new javax.swing.JLabel();
    jLabel2 = new javax.swing.JLabel();
    jPanel2 = new javax.swing.JPanel();
    jPanel1 = new javax.swing.JPanel();
    SD_HomeP = new javax.swing.JPanel();
    SI_HomeL = new javax.swing.JLabel();
    SD_HomeP1 = new javax.swing.JPanel();
    SD_HomeP2 = new javax.swing.JPanel();
    SI_OrdersL = new javax.swing.JLabel();
    SD_HomeP3 = new javax.swing.JPanel();
    SI_InventoryL = new javax.swing.JLabel();
    SD_HomeP4 = new javax.swing.JPanel();
    SI_AttendanceL = new javax.swing.JLabel();
    SD_HomeP5 = new javax.swing.JPanel();
    SI_LogoutL = new javax.swing.JLabel();
    jPanel3 = new javax.swing.JPanel();
    SI_ItemL = new javax.swing.JLabel();
    SI_ItemF = new app.bolivia.swing.JCTextField();
    SI_TypeL = new javax.swing.JLabel();
    SI_TypeF = new app.bolivia.swing.JCTextField();
    SI_StoreL = new javax.swing.JLabel();
    SI_StoreF = new app.bolivia.swing.JCTextField();
    SI_QuanL = new javax.swing.JLabel();
    SI_QuantF = new app.bolivia.swing.JCTextField();
    SI_PriceL = new javax.swing.JLabel();
    SI_PriceF = new app.bolivia.swing.JCTextField();
    SI_AddButt = new javax.swing.JButton();
    jScrollPane1 = new javax.swing.JScrollPane();
    SI_InvenTab = new rojeru_san.complementos.RSTableMetro();
    SI_FindItemL = new javax.swing.JLabel();
    SI_FindButt = new javax.swing.JButton();
    SI_UseButt = new javax.swing.JButton();
    SI_DateF = new app.bolivia.swing.JCTextField();
    SI_DateL = new javax.swing.JLabel();
    SI_ItemCB = new javax.swing.JComboBox<>();
    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
    getContentPane().setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
    SD_Back.setBackground(new java.awt.Color(255, 204, 204));
    SD_Back.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
```

```java
        jLabel1.setFont(new java.awt.Font("SimSun", 0, 14));
        jLabel1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/icons/icons/DF2R.png")));
        SD_Back.add(jLabel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(880, 10, -1, -1));
        jLabel2.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/adminIcons/adminIcons/icons8_menu_48px_1.png")));
        SD_Back.add(jLabel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 5, -1, -1));
        jPanel2.setBackground(new java.awt.Color(255, 255, 255));
        javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
        jPanel2.setLayout(jPanel2Layout);
        jPanel2Layout.setHorizontalGroup(
            jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGap(0, 0, Short.MAX_VALUE)        );
        jPanel2Layout.setVerticalGroup(
            jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGap(0, 50, Short.MAX_VALUE));
        SD_Back.add(jPanel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(75, 0, -1, 50));
        getContentPane().add(SD_Back, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, 960, 60));
        jPanel1.setBackground(new java.awt.Color(255, 255, 255));
        jPanel1.setBorder(javax.swing.BorderFactory.createMatteBorder(0, 0, 0, 2, new java.awt.Color(0, 0, 0)));
        SD_HomeP.setBackground(new java.awt.Color(255, 255, 255));
        SD_HomeP.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
        SI_HomeL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
        SI_HomeL.setIcon(new javax.swing.ImageIcon(getClass().getResource("/adminIcons/adminIcons/home_24px.png")));
        SI_HomeL.setText("Home");
        SI_HomeL.setVerticalTextPosition(javax.swing.SwingConstants.TOP);
        SI_HomeL.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                SI_HomeLMouseClicked(evt);
            }
            public void mouseEntered(java.awt.event.MouseEvent evt) {
                SI_HomeLMouseEntered(evt);
            }
            public void mouseExited(java.awt.event.MouseEvent evt) {
                SI_HomeLMouseExited(evt);
            }
        });
        SD_HomeP.add(SI_HomeL, new org.netbeans.lib.awtextra.AbsoluteConstraints(6, 6, 90, -1));
        SD_HomeP1.setBackground(new java.awt.Color(255, 102, 102));
        SD_HomeP1.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
        SD_HomeP2.setBackground(new java.awt.Color(255, 255, 255));
        SD_HomeP2.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
        SI_OrdersL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
        SI_OrdersL.setIcon(new javax.swing.ImageIcon(getClass().getResource("/icons/icons/Cupcake_IconR.png"))); //
NOI18N
        SI_OrdersL.setText("Orders");
        SI_OrdersL.setVerticalTextPosition(javax.swing.SwingConstants.TOP);
        SI_OrdersL.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                SI_OrdersLMouseClicked(evt);
            }
            public void mouseEntered(java.awt.event.MouseEvent evt) {
                SI_OrdersLMouseEntered(evt);
            }
            public void mouseExited(java.awt.event.MouseEvent evt) {
                SI_OrdersLMouseExited(evt);
            }
        });
        SD_HomeP2.add(SI_OrdersL, new org.netbeans.lib.awtextra.AbsoluteConstraints(6, 6, 110, -1));
        SD_HomeP3.setBackground(new java.awt.Color(204, 204, 255));
        SD_HomeP3.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
        SI_InventoryL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
        SI_InventoryL.setIcon(new javax.swing.ImageIcon(getClass().getResource("/icons/icons/BreadR.png"))); // NOI18N
        SI_InventoryL.setText("Inventory");
        SI_InventoryL.setVerticalTextPosition(javax.swing.SwingConstants.TOP);
        SD_HomeP3.add(SI_InventoryL, new org.netbeans.lib.awtextra.AbsoluteConstraints(6, 6, 140, -1));
```

```java
        SD_HomeP4.setBackground(new java.awt.Color(255, 255, 255));
        SD_HomeP4.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
        SI_AttendanceL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
        SI_AttendanceL.setIcon(new javax.swing.ImageIcon(getClass().getResource("/icons/icons/Attendance_IconR.png")));
// NOI18N
        SI_AttendanceL.setText("Attendance");
        SI_AttendanceL.setVerticalTextPosition(javax.swing.SwingConstants.TOP);
        SI_AttendanceL.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                SI_AttendanceLMouseClicked(evt);
            }
            public void mouseEntered(java.awt.event.MouseEvent evt) {
                SI_AttendanceLMouseEntered(evt);
            }
            public void mouseExited(java.awt.event.MouseEvent evt) {
                SI_AttendanceLMouseExited(evt);
            }
        });
        SD_HomeP4.add(SI_AttendanceL, new org.netbeans.lib.awtextra.AbsoluteConstraints(6, 6, -1, -1));
        SD_HomeP5.setBackground(new java.awt.Color(153, 153, 153));
        SD_HomeP5.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
        SI_LogoutL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
        SI_LogoutL.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/adminIcons/adminIcons/icons8_Exit_26px_2.png")));
        SI_LogoutL.setText("Logout");
        SI_LogoutL.setVerticalTextPosition(javax.swing.SwingConstants.TOP);
        SI_LogoutL.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                SI_LogoutLMouseClicked(evt);
            }
        });
        SD_HomeP5.add(SI_LogoutL, new org.netbeans.lib.awtextra.AbsoluteConstraints(6, 6, -1, -1));
        javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
        jPanel1.setLayout(jPanel1Layout);
        jPanel1Layout.setHorizontalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addComponent(SD_HomeP2, javax.swing.GroupLayout.PREFERRED_SIZE, 158,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(SD_HomeP1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addGap(130, 130, 130))
            .addGroup(jPanel1Layout.createSequentialGroup()
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(SD_HomeP, javax.swing.GroupLayout.PREFERRED_SIZE, 158,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(SD_HomeP3, javax.swing.GroupLayout.PREFERRED_SIZE, 158,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(SD_HomeP4, javax.swing.GroupLayout.PREFERRED_SIZE, 158,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(SD_HomeP5, javax.swing.GroupLayout.PREFERRED_SIZE, 158,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        );
        jPanel1Layout.setVerticalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel1Layout.createSequentialGroup()
                .addGap(24, 24, 24)
                .addComponent(SD_HomeP, javax.swing.GroupLayout.PREFERRED_SIZE, 55,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addGap(55, 55, 55)
```

```java
                    .addComponent(SD_HomeP1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addGap(18, 18, 18)
                    .addComponent(SD_HomeP2, javax.swing.GroupLayout.PREFERRED_SIZE, 55,
javax.swing.GroupLayout.PREFERRED_SIZE)))
            .addGap(18, 18, 18)
            .addComponent(SD_HomeP3, javax.swing.GroupLayout.PREFERRED_SIZE, 55,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(18, 18, 18)
            .addComponent(SD_HomeP4, javax.swing.GroupLayout.PREFERRED_SIZE, 55,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(65, 65, 65)
            .addComponent(SD_HomeP5, javax.swing.GroupLayout.PREFERRED_SIZE, 55,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(32, 32, 32))        );
    getContentPane().add(jPanel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 60, 160, 450));
    jPanel3.setBackground(new java.awt.Color(255, 255, 255));
    SI_ItemL.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
    SI_ItemL.setText("Item");
    SI_ItemF.setBorder(javax.swing.BorderFactory.createMatteBorder(0, 0, 1, 0, new java.awt.Color(0, 0, 0)));
    SI_ItemF.addFocusListener(new java.awt.event.FocusAdapter() {
        public void focusLost(java.awt.event.FocusEvent evt) {
            SI_ItemFFocusLost(evt);
        }
    });
    SI_TypeL.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
    SI_TypeL.setText("Type");
    SI_TypeF.setBorder(javax.swing.BorderFactory.createMatteBorder(0, 0, 1, 0, new java.awt.Color(0, 0, 0)));
    SI_StoreL.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
    SI_StoreL.setText("Store");
    SI_StoreF.setBorder(javax.swing.BorderFactory.createMatteBorder(0, 0, 1, 0, new java.awt.Color(0, 0, 0)));
    SI_QuanL.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
    SI_QuanL.setText("Quantity");
    SI_QuantF.setBorder(javax.swing.BorderFactory.createMatteBorder(0, 0, 1, 0, new java.awt.Color(0, 0, 0)));
    SI_PriceL.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
    SI_PriceL.setText("Price per Unit");
    SI_PriceF.setBorder(javax.swing.BorderFactory.createMatteBorder(0, 0, 1, 0, new java.awt.Color(0, 0, 0)));
    SI_AddButt.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
    SI_AddButt.setText("ADD");
    SI_AddButt.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            SI_AddButtActionPerformed(evt);
        }
    });
    SI_InvenTab.setModel(new javax.swing.table.DefaultTableModel(
        new Object [][] {
        },
        new String [] {
            "Item", "Type", "Store", "Quantity", "Price Per Unit"
        }
    ));
    SI_InvenTab.setColorBackgoundHead(new java.awt.Color(255, 204, 204));
    SI_InvenTab.setColorFilasBackgound2(new java.awt.Color(255, 255, 255));
    SI_InvenTab.setColorFilasForeground1(new java.awt.Color(153, 153, 153));
    SI_InvenTab.setColorFilasForeground2(new java.awt.Color(153, 153, 153));
    SI_InvenTab.setFuenteFilas(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
    SI_InvenTab.setFuenteFilasSelect(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
    SI_InvenTab.setFuenteHead(new java.awt.Font("Tahoma", 1, 10)); // NOI18N
    SI_InvenTab.setRowHeight(25);
    SI_InvenTab.addMouseListener(new java.awt.event.MouseAdapter() {
        public void mouseClicked(java.awt.event.MouseEvent evt) {
            SI_InvenTabMouseClicked(evt);
        }
    });
```

```java
        jScrollPane1.setViewportView(SI_InvenTab);
        if (SI_InvenTab.getColumnModel().getColumnCount() > 0) {
            SI_InvenTab.getColumnModel().getColumn(3).setPreferredWidth(25);
        }
        SI_FindItemL.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
        SI_FindItemL.setText("Find Item");
        SI_FindButt.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
        SI_FindButt.setText("FIND");
        SI_FindButt.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                SI_FindButtActionPerformed(evt);
            }
        });
        SI_UseButt.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
        SI_UseButt.setText("USE");
        SI_UseButt.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                SI_UseButtActionPerformed(evt);
            }
        });
        SI_DateF.setBorder(javax.swing.BorderFactory.createMatteBorder(0, 0, 1, 0, new java.awt.Color(0, 0, 0)));
        SI_DateF.setPlaceholder("DD/MM/YY");
        SI_DateF.addFocusListener(new java.awt.event.FocusAdapter() {
            public void focusLost(java.awt.event.FocusEvent evt) {
                SI_DateFFocusLost(evt);
            }
        });
        SI_DateL.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
        SI_DateL.setText("Date");
        SI_ItemCB.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Select Item" }));
        javax.swing.GroupLayout jPanel3Layout = new javax.swing.GroupLayout(jPanel3);
        jPanel3.setLayout(jPanel3Layout);
        jPanel3Layout.setHorizontalGroup(
            jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel3Layout.createSequentialGroup()
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel3Layout.createSequentialGroup()
                    .addGap(144, 144, 144)
                    .addComponent(SI_DateF, javax.swing.GroupLayout.PREFERRED_SIZE, 158,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGroup(jPanel3Layout.createSequentialGroup()
                    .addGap(18, 18, 18)
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                        .addComponent(SI_ItemL)
                        .addComponent(SI_TypeL)
                        .addComponent(SI_StoreL)
                        .addComponent(SI_QuanL)
                        .addComponent(SI_PriceL)
                        .addComponent(SI_DateL))
                    .addGap(28, 28, 28)
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                        .addComponent(SI_PriceF, javax.swing.GroupLayout.PREFERRED_SIZE, 1, Short.MAX_VALUE)
                        .addComponent(SI_TypeF, javax.swing.GroupLayout.PREFERRED_SIZE, 1, Short.MAX_VALUE)
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)
                            .addComponent(SI_StoreF, javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.PREFERRED_SIZE, 1, Short.MAX_VALUE)
                            .addComponent(SI_ItemF, javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.PREFERRED_SIZE, 156, javax.swing.GroupLayout.PREFERRED_SIZE))
                        .addComponent(SI_QuantF, javax.swing.GroupLayout.PREFERRED_SIZE, 1, Short.MAX_VALUE))))
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(jPanel3Layout.createSequentialGroup()
                    .addGap(143, 143, 143)
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                        .addComponent(SI_FindButt)
                        .addGroup(jPanel3Layout.createSequentialGroup()
```

```
                    .addComponent(SI_FindItemL)
                    .addGap(52, 52, 52)
                    .addComponent(SI_ItemCB, javax.swing.GroupLayout.PREFERRED_SIZE, 157,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(11, 11, 11))))
              .addGroup(jPanel3Layout.createSequentialGroup()
                .addGap(18, 18, 18)
                .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 469,
javax.swing.GroupLayout.PREFERRED_SIZE)))
          .addGap(29, 29, 29))
        .addGroup(jPanel3Layout.createSequentialGroup()
          .addGap(65, 65, 65)
          .addComponent(SI_AddButt)
          .addGap(53, 53, 53)
          .addComponent(SI_UseButt)
          .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))  );
    jPanel3Layout.setVerticalGroup(
      jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel3Layout.createSequentialGroup()
          .addGap(38, 38, 38)
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(SI_FindItemL)
            .addComponent(SI_ItemCB, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
          .addGap(18, 18, 18)
          .addComponent(SI_FindButt, javax.swing.GroupLayout.PREFERRED_SIZE, 30,
javax.swing.GroupLayout.PREFERRED_SIZE)
          .addGap(18, 18, 18)
          .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 138,
javax.swing.GroupLayout.PREFERRED_SIZE)
          .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        .addGroup(jPanel3Layout.createSequentialGroup()
          .addGap(47, 47, 47)
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(SI_ItemL)
            .addComponent(SI_ItemF, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
          .addGap(22, 22, 22)
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(SI_TypeL)
            .addComponent(SI_TypeF, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
          .addGap(20, 20, 20)
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(SI_StoreL)
            .addComponent(SI_StoreF, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
          .addGap(20, 20, 20)
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(SI_QuanL)
            .addComponent(SI_QuantF, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
          .addGap(20, 20, 20)
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(SI_PriceL)
            .addComponent(SI_PriceF, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
          .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(SI_DateL)
            .addComponent(SI_DateF, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
          .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 46, Short.MAX_VALUE)
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(SI_AddButt, javax.swing.GroupLayout.PREFERRED_SIZE, 30,
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```java
                    .addComponent(SI_UseButt, javax.swing.GroupLayout.PREFERRED_SIZE, 30,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(41, 41, 41)));
        getContentPane().add(jPanel3, new org.netbeans.lib.awtextra.AbsoluteConstraints(160, 60, 800, 450));
        setSize(new java.awt.Dimension(977, 550));
        setLocationRelativeTo(null);
    }
    private void SI_OrdersLMouseClicked(java.awt.event.MouseEvent evt) {
        StaffOrders sd = new StaffOrders();
        sd.setVisible(true);
        this.dispose();
    }
    private void SI_LogoutLMouseClicked(java.awt.event.MouseEvent evt) {
        Login_Page lp = new Login_Page();
        lp.setVisible(true);
        this.dispose();
    }
    private void SI_HomeLMouseClicked(java.awt.event.MouseEvent evt) {
        StaffDash sd = new StaffDash();
        sd.setVisible(true);
        this.dispose();
    }
    private void SI_AttendanceLMouseClicked(java.awt.event.MouseEvent evt) {
        StaffAttendance sa = new StaffAttendance();
        sa.setVisible(true);
        this.dispose();
    }
    private void SI_HomeLMouseEntered(java.awt.event.MouseEvent evt) {
        SD_HomeP.setBackground(mouseEnterColor);
    }
    private void SI_HomeLMouseExited(java.awt.event.MouseEvent evt) {
        SD_HomeP.setBackground(mouseExitColor);
    }
    private void SI_OrdersLMouseEntered(java.awt.event.MouseEvent evt) {
        SD_HomeP2.setBackground(mouseEnterColor);
    }
    private void SI_OrdersLMouseExited(java.awt.event.MouseEvent evt) {
        SD_HomeP2.setBackground(mouseExitColor);
    }
    private void SI_AttendanceLMouseEntered(java.awt.event.MouseEvent evt) {
        SD_HomeP4.setBackground(mouseEnterColor);
    }
    private void SI_AttendanceLMouseExited(java.awt.event.MouseEvent evt) {
        SD_HomeP4.setBackground(mouseExitColor);
    }
    private void SI_AddButtActionPerformed(java.awt.event.ActionEvent evt) {
        if (checkDate() == true && checkFields() == true)
        {
            addItem();
            clearTable();
            getInven();
            getItem();
        }
        else
        {
            JOptionPane.showMessageDialog(this, "Check Information");
        }
    }
    private void SI_InvenTabMouseClicked(java.awt.event.MouseEvent evt) {
        int rowNum = SI_InvenTab.getSelectedRow();
        model = (DefaultTableModel) SI_InvenTab.getModel();
        SI_ItemF.setText(model.getValueAt(rowNum, 0).toString());
        SI_TypeF.setText(model.getValueAt(rowNum, 1).toString());
        SI_StoreF.setText(model.getValueAt(rowNum, 2).toString());
        SI_QuantF.setText(model.getValueAt(rowNum, 3).toString());
```

```java
            SI_PriceF.setText(model.getValueAt(rowNum, 4).toString());
        }
        private void SI_FindButtActionPerformed(java.awt.event.ActionEvent evt) {
            clearTable();
            getInven();
        }
        private void SI_UseButtActionPerformed(java.awt.event.ActionEvent evt) {
            if (useItem()== true)
            {
                JOptionPane.showMessageDialog(this, "Item Used");
                clearTable();
                getInven();
            }
            else
            {
                JOptionPane.showMessageDialog(this, "Error");
            }
        }
        private void SI_ItemFFocusLost(java.awt.event.FocusEvent evt) {
            setInvenToFields();
        }
        private void SI_DateFFocusLost(java.awt.event.FocusEvent evt) {
            if (!SI_DateF.getText().trim().equals(""))
            {
                if (checkDate() != true)
                {
                    JOptionPane.showMessageDialog(this, "Invalid Date");
                }
            }
        }
        public static void main(String args[]) {
            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(StaffInventory.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
            } catch (InstantiationException ex) {
java.util.logging.Logger.getLogger(StaffInventory.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
            } catch (IllegalAccessException ex) {
java.util.logging.Logger.getLogger(StaffInventory.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
            } catch (javax.swing.UnsupportedLookAndFeelException ex) {
java.util.logging.Logger.getLogger(StaffInventory.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
            }
            java.awt.EventQueue.invokeLater(new Runnable() {
                public void run() {
                    new StaffInventory().setVisible(true);
                }
            });
        }
        private javax.swing.JPanel SD_Back;
        private javax.swing.JPanel SD_HomeP;
        private javax.swing.JPanel SD_HomeP1;
        private javax.swing.JPanel SD_HomeP2;
        private javax.swing.JPanel SD_HomeP3;
        private javax.swing.JPanel SD_HomeP4;
        private javax.swing.JPanel SD_HomeP5;
        private javax.swing.JButton SI_AddButt;
        private javax.swing.JLabel SI_AttendanceL;
        private app.bolivia.swing.JCTextField SI_DateF;
        private javax.swing.JLabel SI_DateL;
        private javax.swing.JButton SI_FindButt;
```

```
    private javax.swing.JLabel SI_FindItemL;
    private javax.swing.JLabel SI_HomeL;
    private rojeru_san.complementos.RSTableMetro SI_InvenTab;
    private javax.swing.JLabel SI_InventoryL;
    private javax.swing.JComboBox<String> SI_ItemCB;
    private app.bolivia.swing.JCTextField SI_ItemF;
    private javax.swing.JLabel SI_ItemL;
    private javax.swing.JLabel SI_LogoutL;
    private javax.swing.JLabel SI_OrdersL;
    private app.bolivia.swing.JCTextField SI_PriceF;
    private javax.swing.JLabel SI_PriceL;
    private javax.swing.JLabel SI_QuanL;
    private app.bolivia.swing.JCTextField SI_QuantF;
    private app.bolivia.swing.JCTextField SI_StoreF;
    private javax.swing.JLabel SI_StoreL;
    private app.bolivia.swing.JCTextField SI_TypeF;
    private javax.swing.JLabel SI_TypeL;
    private javax.swing.JButton SI_UseButt;
    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;
}
```

Staff Attendance

```
import java.awt.Color;
import java.sql.*;
import javax.swing.ButtonGroup;
import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;
public class StaffAttendance extends javax.swing.JFrame {
    private String name, date, dateE, sTime, eTime, work;
    private int id;
    private DefaultTableModel model;
    Color mouseEnterColor = new Color(225,225,225);
    Color mouseExitColor = new Color(255,255,255);
    public StaffAttendance() {
        initComponents();
        ButtonGroup bg = new ButtonGroup();
        bg.add(SA_YesRB);
        bg.add(SA_NoRB);
        getStaNames();
    }
    //Method to set Attendance to table
    public void setSAToTable(){
        String chosenDate = SA_DateEnteredF.getText();
        try {
            Connection conn = DatabaseConnection.getConnection();
            PreparedStatement pst = conn.prepareStatement("select * from attendance where Date = ?");

            pst.setString(1, chosenDate);
            ResultSet rs = pst.executeQuery();
            while(rs.next()){
                int staID = rs.getInt("ID");
                String staName = rs.getString("Name");
                String attDate = rs.getString("Date");
                String attWork = rs.getString("Working");
                String attSTime = rs.getString("Start_Time");
                String attETime = rs.getString("End_Time");
                Object[] obj = {staID, staName, attDate, attWork, attSTime, attETime};
                model = (DefaultTableModel) SA_AttendTab.getModel();
                model.addRow(obj);
            }
```

```java
        } catch (Exception e) {
            e.printStackTrace();
        }
    }
//Method to add attendance
public void addAtten(){
    name = SA_NameCB.getSelectedItem().toString();
    date = SA_DateF.getText();
    if (SA_YesRB.isSelected())
    {
        work = "Yes";
    }
    else if(SA_NoRB.isSelected())
    {
        work = "No";
    }
    sTime = SA_STimeF.getText();
    eTime = SA_ETimeF.getText();
    try {
        Connection conn = DatabaseConnection.getConnection();
        String sql = "insert into attendance(Name, Date, Working, Start_Time, End_Time) values(?,?,?,?,?)";
        PreparedStatement pst = conn.prepareStatement(sql);
        pst.setString(1, name);
        pst.setString(2, date);
        pst.setString(3, work);
        pst.setString(4, sTime);
        pst.setString(5, eTime);
        int rowCOunt = pst.executeUpdate();
        if (rowCOunt > 0)
        {
            JOptionPane.showMessageDialog(this, "Attendance Added");
        }
    } catch (Exception e) {
        e.printStackTrace();
    }
}
//Method to clear table
public void clearTable(){
    model = (DefaultTableModel) SA_AttendTab.getModel();
    model.setRowCount(0);
}
//Method to update attendance
public void updateAtten(){
    id = Integer.parseInt(SA_IDF.getText());
    name = SA_NameCB.getSelectedItem().toString();
    date = SA_DateF.getText();
    if (SA_YesRB.isSelected())
    {
        work = "Yes";
    }
    else if(SA_NoRB.isSelected())
    {
        work = "No";
    }
    sTime = SA_STimeF.getText();
    eTime = SA_ETimeF.getText();
    try {
        Connection conn = DatabaseConnection.getConnection();
        String sql = "update attendance set Name = ?, Date = ?, Working = ?, Start_Time = ?, End_Time = ? where ID = ?";
        PreparedStatement pst = conn.prepareStatement(sql);
        pst.setString(1, name);
        pst.setString(2, date);
        pst.setString(3, work);
        pst.setString(4, sTime);
        pst.setString(5, eTime);
```

```java
            pst.setInt(6, id);
            int rowCount = pst.executeUpdate();
            if (rowCount > 0)
            {
                JOptionPane.showMessageDialog(this, "Update Attendance");
            }
        } catch (Exception e) {
            e.printStackTrace();
        }
    }
    //Method to delete attendance
    public boolean deleteAtten(){
        boolean deleted = false;
        id = Integer.parseInt(SA_IDF.getText());
        try {
            Connection conn = DatabaseConnection.getConnection();
            String sql = "delete from attendance where ID = ?";
            PreparedStatement pst = conn.prepareStatement(sql);
            pst.setInt(1, id);
            int count = pst.executeUpdate();
            if (count > 0)
            {
                deleted = true;
            }
        } catch (Exception e) {
            e.printStackTrace();
        }
        return deleted;
    }
    //Method to check date
    public boolean checkDate(String date){
        boolean valid = false;
        if (date.length() == 8)
        {
            String[] arrDate = date.split("/");
            if (arrDate.length == 3)
            {
                int day = Integer.parseInt(arrDate[0]);
                int month = Integer.parseInt(arrDate[1]);
                if (day <= 31 && month <= 12)
                {
                    valid = true;
                }
            }
        }
        return valid;
    }
    //Method to check time
    public boolean checkTime(String time){
        boolean valid = false;
        if (time.length() == 8)
        {
            String[] arrSpaTim = time.split(" ");
            String per = arrSpaTim[1];
            String[] arrTime = arrSpaTim[0].split(":");
            int hour = Integer.parseInt(arrTime[0]);
            int min = Integer.parseInt(arrTime[1]);
            if (per.equals("am") || per.equals("pm"))
            {
                if (hour <= 12 && min < 60)
                {
                    valid = true;
                }
            }
        }
```

```java
        return valid;
    }
    //Method to check if all information is entered
    public boolean checkFields()
    {
        name = SA_NameCB.getSelectedItem().toString();
        date = SA_DateF.getText();
        sTime = SA_STimeF.getText();
        eTime = SA_ETimeF.getText();
        if(name.trim().equals("") || date.trim().equals(""))
        {
            JOptionPane.showMessageDialog(this, "Enter all information");
            return false;
        }
        if (!SA_YesRB.isSelected() & !SA_NoRB.isSelected())
        {
            JOptionPane.showMessageDialog(this, "Select a designation.");
            return false;
        }
        else
        {
            return true;
        }
    }
    //Method to insert staff name in combo box
    public void getStaNames(){
        try {
            Connection conn = DatabaseConnection.getConnection();
            Statement st = conn.createStatement();
            ResultSet rs = st.executeQuery("Select * from staff");
            while (rs.next()){
                String sName = rs.getString("Staff_Name");
                SA_NameCB.addItem(sName);
            }
        } catch (Exception e) {
            e.printStackTrace();
        }
    }
    @SuppressWarnings("unchecked")
    private void initComponents() {
        SD_Back = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        jPanel2 = new javax.swing.JPanel();
        jPanel1 = new javax.swing.JPanel();
        SD_HomeP = new javax.swing.JPanel();
        SD_HomeL = new javax.swing.JLabel();
        SD_HomeP1 = new javax.swing.JPanel();
        SD_HomeP2 = new javax.swing.JPanel();
        SD_OrdersL = new javax.swing.JLabel();
        SD_HomeP3 = new javax.swing.JPanel();
        SD_InventoryL = new javax.swing.JLabel();
        SD_HomeP4 = new javax.swing.JPanel();
        SD_AttendanceL = new javax.swing.JLabel();
        SD_HomeP5 = new javax.swing.JPanel();
        SD_LogoutL = new javax.swing.JLabel();
        jPanel3 = new javax.swing.JPanel();
        jScrollPane1 = new javax.swing.JScrollPane();
        SA_AttendTab = new rojeru_san.complementos.RSTableMetro();
        jLabel3 = new javax.swing.JLabel();
        jLabel4 = new javax.swing.JLabel();
        jLabel5 = new javax.swing.JLabel();
        jLabel6 = new javax.swing.JLabel();
        jLabel7 = new javax.swing.JLabel();
        jLabel8 = new javax.swing.JLabel();
```

```java
        SA_IDF = new app.bolivia.swing.JCTextField();
        SA_DateF = new app.bolivia.swing.JCTextField();
        SA_STimeF = new app.bolivia.swing.JCTextField();
        SA_ETimeF = new app.bolivia.swing.JCTextField();
        SA_AddAttButt = new javax.swing.JButton();
        SA_UpAttButt = new javax.swing.JButton();
        SA_DelAttButt = new javax.swing.JButton();
        SA_YesRB = new javax.swing.JRadioButton();
        SA_NoRB = new javax.swing.JRadioButton();
        SA_GetRecsButt = new javax.swing.JButton();
        SA_DateEnteredF = new app.bolivia.swing.JCTextField();
        SA_EnterDateL = new javax.swing.JLabel();
        SA_NameCB = new javax.swing.JComboBox<>();
        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        getContentPane().setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
        SD_Back.setBackground(new java.awt.Color(255, 204, 204));
        SD_Back.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
        jLabel1.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
        jLabel1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/icons/icons/DF2R.png")));
        SD_Back.add(jLabel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(860, 10, -1, -1));
        jLabel2.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/adminIcons/adminIcons/icons8_menu_48px_1.png")));
        SD_Back.add(jLabel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 5, -1, -1));
        jPanel2.setBackground(new java.awt.Color(255, 255, 255));
        javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
        jPanel2.setLayout(jPanel2Layout);
        jPanel2Layout.setHorizontalGroup(
            jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGap(0, 0, Short.MAX_VALUE));
        jPanel2Layout.setVerticalGroup(
            jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGap(0, 50, Short.MAX_VALUE));
        SD_Back.add(jPanel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(75, 0, -1, 50));
        getContentPane().add(SD_Back, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, 940, 60));
        jPanel1.setBackground(new java.awt.Color(255, 255, 255));
        jPanel1.setBorder(javax.swing.BorderFactory.createMatteBorder(0, 0, 0, 2, new java.awt.Color(0, 0, 0)));
        SD_HomeP.setBackground(new java.awt.Color(255, 255, 255));
        SD_HomeP.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
        SD_HomeL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
        SD_HomeL.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/adminIcons/adminIcons/home_24px.png")));
        SD_HomeL.setText("Home");
        SD_HomeL.setVerticalTextPosition(javax.swing.SwingConstants.TOP);
        SD_HomeL.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                SD_HomeLMouseClicked(evt);
            }
            public void mouseEntered(java.awt.event.MouseEvent evt) {
                SD_HomeLMouseEntered(evt);
            }
            public void mouseExited(java.awt.event.MouseEvent evt) {
                SD_HomeLMouseExited(evt);
            }
        });
        SD_HomeP.add(SD_HomeL, new org.netbeans.lib.awtextra.AbsoluteConstraints(6, 6, 90, -1));
        SD_HomeP1.setBackground(new java.awt.Color(255, 102, 102));
        SD_HomeP1.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
        SD_HomeP2.setBackground(new java.awt.Color(255, 255, 255));
        SD_HomeP2.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
        SD_OrdersL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
        SD_OrdersL.setIcon(new javax.swing.ImageIcon(getClass().getResource("/icons/icons/Cupcake_IconR.png"))); //
NOI18N
        SD_OrdersL.setText("Orders");
        SD_OrdersL.setVerticalTextPosition(javax.swing.SwingConstants.TOP);
        SD_OrdersL.addMouseListener(new java.awt.event.MouseAdapter() {
```

```java
        public void mouseClicked(java.awt.event.MouseEvent evt) {
            SD_OrdersLMouseClicked(evt);
        }
        public void mouseEntered(java.awt.event.MouseEvent evt) {
            SD_OrdersLMouseEntered(evt);
        }
        public void mouseExited(java.awt.event.MouseEvent evt) {
            SD_OrdersLMouseExited(evt);
        }
    });
    SD_HomeP2.add(SD_OrdersL, new org.netbeans.lib.awtextra.AbsoluteConstraints(6, 6, 110, -1));
    SD_HomeP3.setBackground(new java.awt.Color(255, 255, 255));
    SD_HomeP3.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
    SD_InventoryL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
    SD_InventoryL.setIcon(new javax.swing.ImageIcon(getClass().getResource("/icons/icons/BreadR.png"))); // NOI18N
    SD_InventoryL.setText("Inventory");
    SD_InventoryL.setVerticalTextPosition(javax.swing.SwingConstants.TOP);
    SD_InventoryL.addMouseListener(new java.awt.event.MouseAdapter() {
        public void mouseClicked(java.awt.event.MouseEvent evt) {
            SD_InventoryLMouseClicked(evt);
        }
        public void mouseEntered(java.awt.event.MouseEvent evt) {
            SD_InventoryLMouseEntered(evt);
        }
        public void mouseExited(java.awt.event.MouseEvent evt) {
            SD_InventoryLMouseExited(evt);
        }
    });
    SD_HomeP3.add(SD_InventoryL, new org.netbeans.lib.awtextra.AbsoluteConstraints(6, 6, 140, -1));
    SD_HomeP4.setBackground(new java.awt.Color(204, 204, 255));
    SD_HomeP4.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
    SD_AttendanceL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
    SD_AttendanceL.setIcon(new javax.swing.ImageIcon(getClass().getResource("/icons/icons/Attendance_IconR.png")));
// NOI18N
    SD_AttendanceL.setText("Attendance");
    SD_AttendanceL.setVerticalTextPosition(javax.swing.SwingConstants.TOP);
    SD_HomeP4.add(SD_AttendanceL, new org.netbeans.lib.awtextra.AbsoluteConstraints(6, 6, -1, -1));
    SD_HomeP5.setBackground(new java.awt.Color(153, 153, 153));
    SD_HomeP5.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
    SD_LogoutL.setFont(new java.awt.Font("SimSun", 0, 24)); // NOI18N
    SD_LogoutL.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/adminIcons/adminIcons/icons8_Exit_26px_2.png"))); // NOI18N
    SD_LogoutL.setText("Logout");
    SD_LogoutL.setVerticalTextPosition(javax.swing.SwingConstants.TOP);
    SD_LogoutL.addMouseListener(new java.awt.event.MouseAdapter() {
        public void mouseClicked(java.awt.event.MouseEvent evt) {
            SD_LogoutLMouseClicked(evt);
        }
    });
    SD_HomeP5.add(SD_LogoutL, new org.netbeans.lib.awtextra.AbsoluteConstraints(6, 6, -1, -1));
    javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
    jPanel1.setLayout(jPanel1Layout);
    jPanel1Layout.setHorizontalGroup(
        jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addComponent(SD_HomeP2, javax.swing.GroupLayout.PREFERRED_SIZE, 158,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(SD_HomeP1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addGap(130, 130, 130))
        .addGroup(jPanel1Layout.createSequentialGroup()
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(SD_HomeP, javax.swing.GroupLayout.PREFERRED_SIZE, 158,
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```java
                .addComponent(SD_HomeP3, javax.swing.GroupLayout.PREFERRED_SIZE, 158,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(SD_HomeP4, javax.swing.GroupLayout.PREFERRED_SIZE, 158,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(SD_HomeP5, javax.swing.GroupLayout.PREFERRED_SIZE, 158,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
    );
    jPanel1Layout.setVerticalGroup(
        jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel1Layout.createSequentialGroup()
            .addGap(24, 24, 24)
            .addComponent(SD_HomeP, javax.swing.GroupLayout.PREFERRED_SIZE, 55,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addGap(55, 55, 55)
                    .addComponent(SD_HomeP1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addGap(18, 18, 18)
                    .addComponent(SD_HomeP2, javax.swing.GroupLayout.PREFERRED_SIZE, 55,
javax.swing.GroupLayout.PREFERRED_SIZE)))
            .addGap(18, 18, 18)
            .addComponent(SD_HomeP3, javax.swing.GroupLayout.PREFERRED_SIZE, 55,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(18, 18, 18)
            .addComponent(SD_HomeP4, javax.swing.GroupLayout.PREFERRED_SIZE, 55,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(65, 65, 65)
            .addComponent(SD_HomeP5, javax.swing.GroupLayout.PREFERRED_SIZE, 55,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(32, 32, 32))       );
    getContentPane().add(jPanel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 60, 160, 450));
    jPanel3.setBackground(new java.awt.Color(255, 255, 255));
    SA_AttendTab.setModel(new javax.swing.table.DefaultTableModel(
        new Object [][] {},
        new String [] {
            "ID", "Saff Name", "Date", "Working?", "Start Time", "End Time"
        }
    ));
    SA_AttendTab.setColorBackgoundHead(new java.awt.Color(255, 204, 204));
    SA_AttendTab.setColorFilasBackgound2(new java.awt.Color(255, 255, 255));
    SA_AttendTab.setColorFilasForeground1(new java.awt.Color(153, 153, 153));
    SA_AttendTab.setColorFilasForeground2(new java.awt.Color(153, 153, 153));
    SA_AttendTab.setFuenteHead(new java.awt.Font("Tahoma", 1, 10)); // NOI18N
    SA_AttendTab.setRowHeight(25);
    SA_AttendTab.addMouseListener(new java.awt.event.MouseAdapter() {
        public void mouseClicked(java.awt.event.MouseEvent evt) {
            SA_AttendTabMouseClicked(evt);
        }
    });
    jScrollPane1.setViewportView(SA_AttendTab);
    if (SA_AttendTab.getColumnModel().getColumnCount() > 0) {
        SA_AttendTab.getColumnModel().getColumn(0).setPreferredWidth(25);
        SA_AttendTab.getColumnModel().getColumn(3).setPreferredWidth(40);
        SA_AttendTab.getColumnModel().getColumn(4).setPreferredWidth(60);
        SA_AttendTab.getColumnModel().getColumn(5).setPreferredWidth(60);
    }
    jLabel3.setFont(new java.awt.Font("SimSun", 0, 18)); // NOI18N
    jLabel3.setText("ID");
    jLabel4.setFont(new java.awt.Font("SimSun", 0, 18)); // NOI18N
    jLabel4.setText("Staff Name");
    jLabel5.setFont(new java.awt.Font("SimSun", 0, 18)); // NOI18N
    jLabel5.setText("Start Time");
```

```java
jLabel6.setFont(new java.awt.Font("SimSun", 0, 18)); // NOI18N
jLabel6.setText("End Time");
jLabel7.setFont(new java.awt.Font("SimSun", 0, 18)); // NOI18N
jLabel7.setText("Working");
jLabel8.setFont(new java.awt.Font("SimSun", 0, 18)); // NOI18N
jLabel8.setText("Date");
SA_IDF.setBorder(javax.swing.BorderFactory.createMatteBorder(0, 0, 1, 0, new java.awt.Color(0, 0, 0)));
SA_DateF.setBorder(javax.swing.BorderFactory.createMatteBorder(0, 0, 1, 0, new java.awt.Color(0, 0, 0)));
SA_DateF.setPlaceholder("DD/MM/YY");
SA_DateF.addFocusListener(new java.awt.event.FocusAdapter() {
    public void focusLost(java.awt.event.FocusEvent evt) {
        SA_DateFFocusLost(evt);
    }
});

SA_STimeF.setBorder(javax.swing.BorderFactory.createMatteBorder(0, 0, 1, 0, new java.awt.Color(0, 0, 0)));
SA_STimeF.setPlaceholder("HH:MM am/pm");
SA_STimeF.addFocusListener(new java.awt.event.FocusAdapter() {
    public void focusLost(java.awt.event.FocusEvent evt) {
        SA_STimeFFocusLost(evt);
    }
});
SA_ETimeF.setBorder(javax.swing.BorderFactory.createMatteBorder(0, 0, 1, 0, new java.awt.Color(0, 0, 0)));
SA_ETimeF.setPlaceholder("HH:MM am/pm");
SA_ETimeF.addFocusListener(new java.awt.event.FocusAdapter() {
    public void focusLost(java.awt.event.FocusEvent evt) {
        SA_ETimeFFocusLost(evt);
    }
});
SA_AddAttButt.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
SA_AddAttButt.setText("ADD");
SA_AddAttButt.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        SA_AddAttButtActionPerformed(evt);
    }
});
SA_UpAttButt.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
SA_UpAttButt.setText("UPDATE");
SA_UpAttButt.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        SA_UpAttButtActionPerformed(evt);
    }
});
SA_DelAttButt.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
SA_DelAttButt.setText("DELETE");
SA_DelAttButt.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        SA_DelAttButtActionPerformed(evt);
    }
});
SA_YesRB.setText("Yes");
SA_NoRB.setText("No");
SA_GetRecsButt.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
SA_GetRecsButt.setText("Get Records");
SA_GetRecsButt.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        SA_GetRecsButtActionPerformed(evt);
    }
});
SA_DateEnteredF.setBorder(javax.swing.BorderFactory.createMatteBorder(0, 0, 2, 2, new java.awt.Color(0, 0, 0)));
SA_DateEnteredF.setPlaceholder("    DD/MM/YY");
SA_DateEnteredF.addFocusListener(new java.awt.event.FocusAdapter() {
    public void focusLost(java.awt.event.FocusEvent evt) {
        SA_DateEnteredFFocusLost(evt);
    }
```

```
            });
            SA_EnterDateL.setFont(new java.awt.Font("SimSun", 0, 14)); // NOI18N
            SA_EnterDateL.setText("Enter Date");
            SA_NameCB.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "" }));
            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(27, Short.MAX_VALUE)
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                        .addGroup(jPanel3Layout.createSequentialGroup()
                            .addComponent(jLabel6)
                            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                            .addComponent(SA_ETimeF, javax.swing.GroupLayout.PREFERRED_SIZE, 127,
javax.swing.GroupLayout.PREFERRED_SIZE))
                        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel3Layout.createSequentialGroup()
                            .addComponent(jLabel8)
                            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                            .addComponent(SA_DateF, javax.swing.GroupLayout.PREFERRED_SIZE, 127,
javax.swing.GroupLayout.PREFERRED_SIZE))
                        .addGroup(jPanel3Layout.createSequentialGroup()
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                                    .addComponent(SA_AddAttButt)
                                    .addComponent(jLabel5))
                                .addComponent(jLabel7))
                            .addGap(18, 18, 18)
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                .addGroup(jPanel3Layout.createSequentialGroup()
                                    .addComponent(SA_UpAttButt)
                                    .addGap(18, 18, 18)
                                    .addComponent(SA_DelAttButt)
                                    .addGap(0, 22, Short.MAX_VALUE))
                                .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel3Layout.createSequentialGroup()
                                    .addGap(0, 0, Short.MAX_VALUE)
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                        .addComponent(SA_STimeF, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 127, javax.swing.GroupLayout.PREFERRED_SIZE)
                                        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel3Layout.createSequentialGroup()
                                            .addComponent(SA_YesRB)
                                            .addGap(26, 26, 26)
                                            .addComponent(SA_NoRB)
                                            .addGap(11, 11, 11))))))
                        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel3Layout.createSequentialGroup()
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                .addComponent(jLabel3)
                                .addComponent(jLabel4))
                            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                                .addComponent(SA_NameCB, 0, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                                .addComponent(SA_IDF, javax.swing.GroupLayout.DEFAULT_SIZE, 127, Short.MAX_VALUE))))
                    .addGap(18, 18, 18)
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                        .addGroup(jPanel3Layout.createSequentialGroup()
                            .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 422,
javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addGap(21, 21, 21))
                        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel3Layout.createSequentialGroup()
                            .addComponent(SA_EnterDateL)
                            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```java
                .addComponent(SA_GetRecsButt)
                .addComponent(SA_DateEnteredF, javax.swing.GroupLayout.PREFERRED_SIZE, 147,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(104, 104, 104))))        );
    jPanel3Layout.setVerticalGroup(
        jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel3Layout.createSequentialGroup()
            .addGap(26, 26, 26)
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(jLabel3)
                .addComponent(SA_IDF, javax.swing.GroupLayout.PREFERRED_SIZE, 22,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGroup(jPanel3Layout.createSequentialGroup()
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(SA_DateEnteredF, javax.swing.GroupLayout.PREFERRED_SIZE, 23,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(SA_EnterDateL))
                .addGap(4, 4, 4)
                .addComponent(SA_GetRecsButt)))
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel3Layout.createSequentialGroup()
                .addGap(27, 27, 27)
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(jLabel4)
                .addComponent(SA_NameCB, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(26, 26, 26)
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(jLabel8)
                .addComponent(SA_DateF, javax.swing.GroupLayout.PREFERRED_SIZE, 22,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(32, 32, 32)
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(jLabel7)
                .addComponent(SA_YesRB)
                .addComponent(SA_NoRB))
                .addGap(32, 32, 32)
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(jLabel5)
                .addComponent(SA_STimeF, javax.swing.GroupLayout.PREFERRED_SIZE, 22,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(29, 29, 29)
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(jLabel6)
                .addComponent(SA_ETimeF, javax.swing.GroupLayout.PREFERRED_SIZE, 22,
javax.swing.GroupLayout.PREFERRED_SIZE)))
            .addGroup(jPanel3Layout.createSequentialGroup()
                .addGap(46, 46, 46)
                .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 204,
javax.swing.GroupLayout.PREFERRED_SIZE)))
            .addGap(56, 56, 56)
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(SA_AddAttButt)
                .addComponent(SA_UpAttButt)
                .addComponent(SA_DelAttButt))
            .addContainerGap(38, Short.MAX_VALUE)));
    getContentPane().add(jPanel3, new org.netbeans.lib.awtextra.AbsoluteConstraints(160, 60, 780, 450));
    setSize(new java.awt.Dimension(955, 550));
    setLocationRelativeTo(null);
    }
    private void SD_OrdersLMouseClicked(java.awt.event.MouseEvent evt) {
        StaffOrders sd = new StaffOrders();
        sd.setVisible(true);
        this.dispose();
    }
```

```java
private void SD_LogoutLMouseClicked(java.awt.event.MouseEvent evt) {
    Login_Page lp = new Login_Page();
    lp.setVisible(true);
    this.dispose();
}
private void SD_InventoryLMouseClicked(java.awt.event.MouseEvent evt) {
    StaffInventory si = new StaffInventory();
    si.setVisible(true);
    this.dispose();
}
private void SD_HomeLMouseClicked(java.awt.event.MouseEvent evt) {
    StaffDash sd = new StaffDash();
    sd.setVisible(true);
    this.dispose();
}
private void SD_HomeLMouseEntered(java.awt.event.MouseEvent evt) {
    SD_HomeP.setBackground(mouseEnterColor);
}
private void SD_HomeLMouseExited(java.awt.event.MouseEvent evt) {
    SD_HomeP.setBackground(mouseExitColor);
}
private void SD_OrdersLMouseEntered(java.awt.event.MouseEvent evt) {
    SD_HomeP2.setBackground(mouseEnterColor);
}
private void SD_OrdersLMouseExited(java.awt.event.MouseEvent evt) {
    SD_HomeP2.setBackground(mouseExitColor);
}
private void SD_InventoryLMouseEntered(java.awt.event.MouseEvent evt) {
    SD_HomeP3.setBackground(mouseEnterColor);
}
private void SD_InventoryLMouseExited(java.awt.event.MouseEvent evt) {
    SD_HomeP3.setBackground(mouseExitColor);
}
private void SA_GetRecsButtActionPerformed(java.awt.event.ActionEvent evt) {
    clearTable();
    setSAToTable();
}
private void SA_AddAttButtActionPerformed(java.awt.event.ActionEvent evt) {
    date = SA_DateF.getText();
    if (checkDate(date) == true && checkFields() == true)
    {
        addAtten();
        clearTable();
        setSAToTable();
    }
    else
    {
        JOptionPane.showMessageDialog(this, "Check Information");
    }
}
private void SA_UpAttButtActionPerformed(java.awt.event.ActionEvent evt) {
    date = SA_DateF.getText();
    if (checkDate(date) == true && checkFields() == true)
    {
        updateAtten();
        clearTable();
        setSAToTable();
    }
    else
    {
        JOptionPane.showMessageDialog(this, "Check Information");
    }
}
private void SA_DelAttButtActionPerformed(java.awt.event.ActionEvent evt) {
    if (deleteAtten()== true)
```

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        {
            JOptionPane.showMessageDialog(this, "Deleted");
            clearTable();
            setSAToTable();
        }
        else
        {
            JOptionPane.showMessageDialog(this, "Error");
        }
    }
    private void SA_AttendTabMouseClicked(java.awt.event.MouseEvent evt) {
        int rowNum = SA_AttendTab.getSelectedRow();
        model = (DefaultTableModel) SA_AttendTab.getModel();
        SA_IDF.setText(model.getValueAt(rowNum, 0).toString());
        SA_NameCB.setSelectedItem(model.getValueAt(rowNum, 1));
        SA_DateF.setText(model.getValueAt(rowNum, 2).toString());
        if (model.getValueAt(rowNum, 3).toString().equals("Yes"))
        {
            SA_YesRB.setSelected(true);
        }
        else if(model.getValueAt(rowNum, 3).toString().equals("No"))
        {
            SA_NoRB.setSelected(true);
        }
        SA_STimeF.setText(model.getValueAt(rowNum, 4).toString());
        SA_ETimeF.setText(model.getValueAt(rowNum, 5).toString());
    }
    private void SA_DateFFocusLost(java.awt.event.FocusEvent evt) {
        date = SA_DateF.getText();
        if (!SA_DateF.getText().trim().equals(""))
        {
            if (checkDate(date) != true)
            {
                JOptionPane.showMessageDialog(this, "Invalid Date");
            }
        }
    }
    private void SA_DateEnteredFFocusLost(java.awt.event.FocusEvent evt) {
        dateE = SA_DateEnteredF.getText();
        if (!SA_DateEnteredF.getText().trim().equals(""))
        {
            if (checkDate(dateE) != true)
            {
                JOptionPane.showMessageDialog(this, "Invalid Date");
            }
        }
    }
    private void SA_STimeFFocusLost(java.awt.event.FocusEvent evt) {
        sTime = SA_STimeF.getText();
        if (!SA_STimeF.getText().trim().equals(""))
        {
            if (checkTime(sTime)== false)
            {
                JOptionPane.showMessageDialog(this, "Invalid Time");
            }
        }
    }
    private void SA_ETimeFFocusLost(java.awt.event.FocusEvent evt) {
        eTime = SA_ETimeF.getText();
        if (!SA_ETimeF.getText().trim().equals(""))
        {
            if (checkTime(eTime)== false)
            {
                JOptionPane.showMessageDialog(this, "Invalid Time");
            }
```

```java
            }
        }
        public static void main(String args[]) {
            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(StaffAttendance.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
            } catch (InstantiationException ex) {
java.util.logging.Logger.getLogger(StaffAttendance.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
            } catch (IllegalAccessException ex) {
java.util.logging.Logger.getLogger(StaffAttendance.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
            } catch (javax.swing.UnsupportedLookAndFeelException ex) {
java.util.logging.Logger.getLogger(StaffAttendance.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
            }
            java.awt.EventQueue.invokeLater(new Runnable() {
                public void run() {
                    new StaffAttendance().setVisible(true);
                }
            });
        }
        private javax.swing.JButton SA_AddAttButt;
        private rojeru_san.complementos.RSTableMetro SA_AttendTab;
        private app.bolivia.swing.JCTextField SA_DateEnteredF;
        private app.bolivia.swing.JCTextField SA_DateF;
        private javax.swing.JButton SA_DelAttButt;
        private app.bolivia.swing.JCTextField SA_ETimeF;
        private javax.swing.JLabel SA_EnterDateL;
        private javax.swing.JButton SA_GetRecsButt;
        private app.bolivia.swing.JCTextField SA_IDF;
        private javax.swing.JComboBox<String> SA_NameCB;
        private javax.swing.JRadioButton SA_NoRB;
        private app.bolivia.swing.JCTextField SA_STimeF;
        private javax.swing.JButton SA_UpAttButt;
        private javax.swing.JRadioButton SA_YesRB;
        private javax.swing.JLabel SD_AttendanceL;
        private javax.swing.JPanel SD_Back;
        private javax.swing.JLabel SD_HomeL;
        private javax.swing.JPanel SD_HomeP;
        private javax.swing.JPanel SD_HomeP1;
        private javax.swing.JPanel SD_HomeP2;
        private javax.swing.JPanel SD_HomeP3;
        private javax.swing.JPanel SD_HomeP4;
        private javax.swing.JPanel SD_HomeP5;
        private javax.swing.JLabel SD_InventoryL;
        private javax.swing.JLabel SD_LogoutL;
        private javax.swing.JLabel SD_OrdersL;
        private javax.swing.JLabel jLabel1;
        private javax.swing.JLabel jLabel2;
        private javax.swing.JLabel jLabel3;
        private javax.swing.JLabel jLabel4;
        private javax.swing.JLabel jLabel5;
        private javax.swing.JLabel jLabel6;
        private javax.swing.JLabel jLabel7;
        private javax.swing.JLabel jLabel8;
        private javax.swing.JPanel jPanel1;
        private javax.swing.JPanel jPanel2;
        private javax.swing.JPanel jPanel3;
        private javax.swing.JScrollPane jScrollPane1;
}
```