Mapua University

School Of Information Technology

Asset Acquisition and Monitoring System

A Project in Object-oriented Programming (CS129-8L - OL153)

by:

Group 1

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Submitted to:

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I. PROJECT CONTEXT

    a. Description

The group project's given problem is 'Asset Acquisition and Monitoring System'.   The group must apply OOP concepts and a database to create a java application capable of inventory management and displaying reports.

    b. Purpose

The purpose of the java application is to manage and monitor a maximum of five (5) pieces of equipment used by a maximum of three (3) offices in a small company. The user will be able to assign equipment in an office, record its condition, and generate a report that shows a list of missing equipment and another report that shows all equipment and its condition.
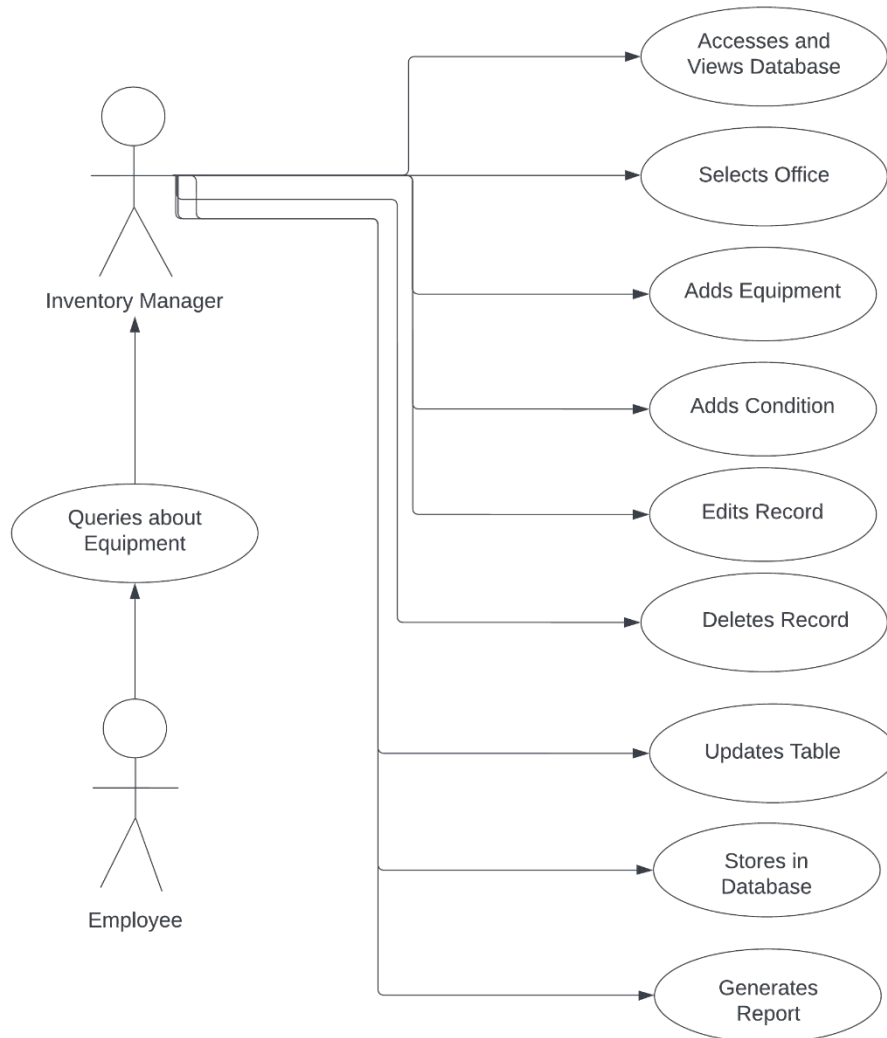
    c. Benefit

Users can easily monitor and handle inventory management with the use of a user-friendly Graphical User Interface (GUI). The use of such provides efficiency and effectiveness in terms of the workload and replacing filing and traditional methods of data and information handling.
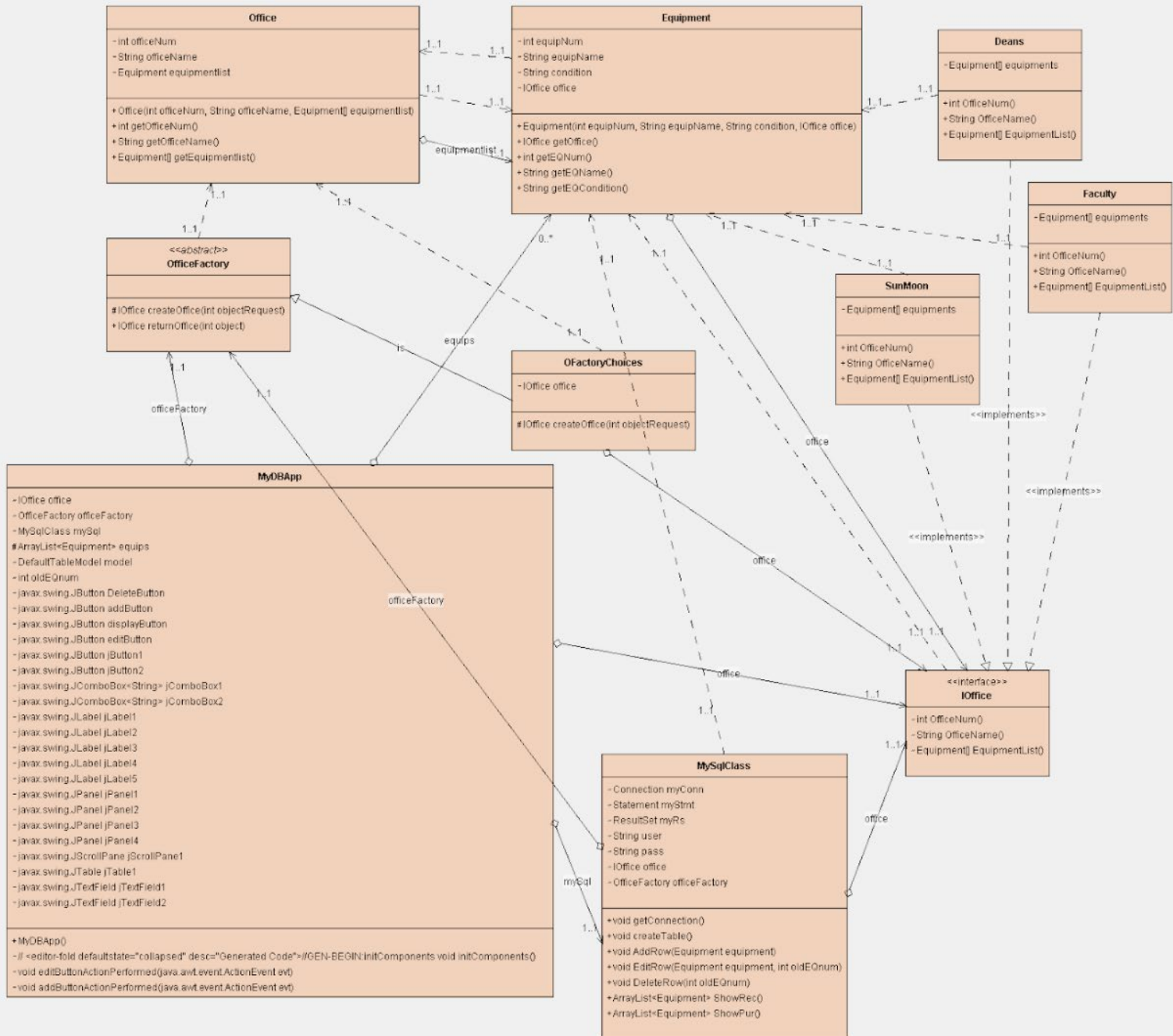
II. PROJECT DESIGN

    a. UML Use Case Diagram

Asset Acquisition and Monitoring System Use Case Diagram

        The use case diagram for the Asset Acquisition and Monitoring System is displayed in the figure above. When an employee makes a request as a query to the system, it first comes through the inventory manager. The inventory manager then performs a series of tasks identified as interactions to give the employee a result as a generated report on equipment in the whole company.

b. UML Class Diagram

The UML class diagram of the system here shows the relationship (dependency, generalization, realization, and aggregation) of each class and the functions to make the whole program work. Factory Method and Command Pattern are used to make the UML diagram as well as its flow which will be further explained.

b. Design Pattern/s Used

There were two main design patterns used in the construction of the system; Factory Method and Command Pattern.

Factory Method
- Mainly it involves declaring interfaces for each specific class of the superclass/parent class. The interface, specifically *IOffice*, has specific child classes to perform and implement the interface.

Command Pattern
- The second design that the whole program runs in terms of is the purpose of inputting the said data and the actions of processing the output after hitting a particular button in the GUI application *MyDBApp*. This acts as the invoker wherein taking requests and pushing them to the interface, *IOffice*. This interface has subclasses or concrete commands such as the offices: Faculty, SunMoon, and Deans which implement the previous requests. The receiver *MySqlClass* executes the requests from the concrete commands, which already process the necessary data to the specific classes, and stores them to the designated arraylists. The client in this system is the *MyDBApp*, which creates and configures command objects from the whole system.

III. SAMPLE SCREENSHOTS

PROJECT PROGRAM LISTING – source code

----------MyDBApp---

```java
package MyApp;

import MyLibs.*;
import MyLibs.MyOffices.*;
import java.util.ArrayList;
import javax.swing.table.DefaultTableModel;

public class MyDBApp extends javax.swing.JFrame {

  //create MyDBApp from

  //Declarations
  IOffice office;
  OfficeFactory officeFactory;
  private MySqlClass mySql=new MySqlClass();
  protected ArrayList<Equipment> equips;
  DefaultTableModel model;
  int oldEQnum;
  PurchaseForm purch = new PurchaseForm();
  TotalForm totalform = new TotalForm();

  public MyDBApp() {
    initComponents();
  }

  @SuppressWarnings("unchecked")
  // <editor-fold defaultstate="collapsed" desc="Generated Code">
  private void initComponents() {

    jPanel4 = new javax.swing.JPanel();
    jPanel2 = new javax.swing.JPanel();
    addButton = new javax.swing.JButton();
    displayButton = new javax.swing.JButton();
    editButton = new javax.swing.JButton();
    DeleteButton = new javax.swing.JButton();
    jButton2 = new javax.swing.JButton();
    jButton1 = new javax.swing.JButton();
    jPanel3 = new javax.swing.JPanel();
    jScrollPane1 = new javax.swing.JScrollPane();
    jTable1 = new javax.swing.JTable();
    jPanel1 = new javax.swing.JPanel();
    jLabel1 = new javax.swing.JLabel();
    jTextField1 = new javax.swing.JTextField();
    jLabel2 = new javax.swing.JLabel();
    jTextField2 = new javax.swing.JTextField();
    jLabel3 = new javax.swing.JLabel();
    jLabel4 = new javax.swing.JLabel();
    jComboBox2 = new javax.swing.JComboBox<>();
    jComboBox1 = new javax.swing.JComboBox<>();
    jLabel5 = new javax.swing.JLabel();

    javax.swing.GroupLayout jPanel4Layout = new javax.swing.GroupLayout(jPanel4);
    jPanel4.setLayout(jPanel4Layout);
    jPanel4Layout.setHorizontalGroup(
      jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
      .addGap(0, 100, Short.MAX_VALUE)
    );
    jPanel4Layout.setVerticalGroup(
      jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
      .addGap(0, 100, Short.MAX_VALUE)
```

```java
        );

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        setTitle("ASSET ACQUISITION & MONITORING SYSTEM");
        setBackground(new java.awt.Color(65, 21, 48));
        setForeground(java.awt.Color.white);
        addWindowListener(new java.awt.event.WindowAdapter() {
            public void windowOpened(java.awt.event.WindowEvent evt) {
                formWindowOpened(evt);
            }
        });
        getContentPane().setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

        jPanel2.setBackground(new java.awt.Color(245, 232, 228));
        jPanel2.setBorder(javax.swing.BorderFactory.createTitledBorder("Action Buttons"));

        addButton.setBackground(new java.awt.Color(62, 21, 48));
        addButton.setForeground(new java.awt.Color(255, 255, 255));
        addButton.setText("Add");
        addButton.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                addButtonActionPerformed(evt);
            }
        });

        displayButton.setBackground(new java.awt.Color(62, 21, 48));
        displayButton.setForeground(new java.awt.Color(255, 255, 255));
        displayButton.setText("Refresh");
        displayButton.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                displayButtonActionPerformed(evt);
            }
        });

        editButton.setBackground(new java.awt.Color(62, 21, 48));
        editButton.setForeground(new java.awt.Color(255, 255, 255));
        editButton.setText("Edit");
        editButton.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                editButtonActionPerformed(evt);
            }
        });

        DeleteButton.setBackground(new java.awt.Color(65, 21, 48));
        DeleteButton.setForeground(new java.awt.Color(255, 255, 255));
        DeleteButton.setText("Delete");
        DeleteButton.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                DeleteButtonActionPerformed(evt);
            }
        });

        jButton2.setBackground(new java.awt.Color(62, 21, 48));
        jButton2.setForeground(new java.awt.Color(255, 255, 255));
        jButton2.setText("Show All");
        jButton2.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton2ActionPerformed(evt);
            }
        });

        jButton1.setBackground(new java.awt.Color(62, 21, 48));
        jButton1.setForeground(new java.awt.Color(255, 255, 255));
        jButton1.setText("Show To Purchase");
        jButton1.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
```

```java
        jButton1ActionPerformed(evt);
      }
    });

    javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
    jPanel2.setLayout(jPanel2Layout);
    jPanel2Layout.setHorizontalGroup(
      jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
      .addGroup(jPanel2Layout.createSequentialGroup()
        .addContainerGap()
        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
          .addComponent(displayButton, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
          .addComponent(addButton, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
          .addComponent(editButton, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
          .addComponent(DeleteButton, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
          .addComponent(jButton2, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
          .addComponent(jButton1, javax.swing.GroupLayout.DEFAULT_SIZE, 218, Short.MAX_VALUE))
        .addContainerGap())
    );
    jPanel2Layout.setVerticalGroup(
      jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
      .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel2Layout.createSequentialGroup()
        .addContainerGap()
        .addComponent(displayButton, javax.swing.GroupLayout.PREFERRED_SIZE, 36, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(addButton, javax.swing.GroupLayout.PREFERRED_SIZE, 40, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(editButton, javax.swing.GroupLayout.PREFERRED_SIZE, 37, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(4, 4, 4)
        .addComponent(DeleteButton, javax.swing.GroupLayout.PREFERRED_SIZE, 37, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 37, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 37, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap(34, Short.MAX_VALUE))
    );

    getContentPane().add(jPanel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(430, 290, 250, 320));

    jPanel3.setBackground(new java.awt.Color(65, 21, 48));

    jTable1.setModel(new javax.swing.table.DefaultTableModel(
      new Object [][] {
        {null, null, null, null},
        {null, null, null, null},
        {null, null, null, null},
        {null, null, null, null},
        {null, null, null, null},
        {null, null, null, null},
        {null, null, null, null},
        {null, null, null, null},
        {null, null, null, null},
        {null, null, null, null}
      },
      new String [] {
        "Equipment ID", "Equipment Name", "Condition", "Office"
      }
    ));
    jTable1.setGridColor(new java.awt.Color(255, 255, 255));
    jTable1.setInheritsPopupMenu(true);
    jTable1.addMouseListener(new java.awt.event.MouseAdapter() {
      public void mouseClicked(java.awt.event.MouseEvent evt) {
        jTable1MouseClicked(evt);
      }
```

```
        });
        jScrollPane1.setViewportView(jTable1);

        jPanel1.setBackground(new java.awt.Color(245, 232, 228));
        jPanel1.setBorder(javax.swing.BorderFactory.createTitledBorder("Assign Values"));

        jLabel1.setText("Equipment ID");

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

        jLabel2.setText("Equipment name");

        jLabel3.setText("Condition");

        jLabel4.setText("Office");

        jComboBox2.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Good", "Needs Repair", "For Replacement", "Lost" }));

        jComboBox1.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Faculty", "Dean's", "Sun&Moon"}));
        jComboBox1.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jComboBox1ActionPerformed(evt);
            }
        });

        javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
        jPanel1.setLayout(jPanel1Layout);
        jPanel1Layout.setHorizontalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel1Layout.createSequentialGroup()
                .addGap(23, 23, 23)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                    .addComponent(jLabel3)
                    .addComponent(jLabel1)
                    .addComponent(jLabel2)
                    .addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED_SIZE, 37, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(jTextField2)
                    .addComponent(jTextField1)
                    .addComponent(jComboBox2, 0, 243, Short.MAX_VALUE)
                    .addComponent(jComboBox1, 0, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
                .addGap(29, 29, 29))
        );
        jPanel1Layout.setVerticalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(20, 20, 20)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(jLabel1)
                    .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addGap(24, 24, 24)
                        .addComponent(jLabel2))
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addGap(18, 18, 18)
                        .addComponent(jTextField2, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)))
                .addGap(18, 18, 18)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
```

```
            .addComponent(jLabel3)
            .addComponent(jComboBox2, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
          .addGap(18, 18, 18)
          .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(jLabel4)
            .addComponent(jComboBox1, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
          .addContainerGap(143, Short.MAX_VALUE))
    );

    jLabel5.setBackground(new java.awt.Color(65, 21, 48));
    jLabel5.setFont(new java.awt.Font("Tahoma", 0, 28)); // NOI18N
    jLabel5.setForeground(new java.awt.Color(255, 255, 255));
    jLabel5.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
    jLabel5.setText("Inventory Management for Office Equipment");

    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)
          .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
          .addGroup(jPanel3Layout.createSequentialGroup()
            .addContainerGap()
            .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
              .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 680, javax.swing.GroupLayout.PREFERRED_SIZE)
              .addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED_SIZE, 653, javax.swing.GroupLayout.PREFERRED_SIZE))))
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
    );
    jPanel3Layout.setVerticalGroup(
      jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
      .addGroup(jPanel3Layout.createSequentialGroup()
        .addContainerGap()
        .addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED_SIZE, 59, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(18, 18, 18)
        .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 192, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 10, Short.MAX_VALUE)
        .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
    );

    getContentPane().add(jPanel3, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, 680, 610));

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

  //Edit Equipment record in the Database
  private void editButtonActionPerformed(java.awt.event.ActionEvent evt) {

    //Get inputs from textfield and combobox
    int eqnum=Integer.parseInt(jTextField1.getText());
    String eqname=jTextField2.getText();
    int condition=jComboBox2.getSelectedIndex();
    int selOffice=jComboBox1.getSelectedIndex();

    //Factory Method Pattern for Creating Office Object
    OfficeFactory officeFactory = new OFactoryChoices();
    IOffice office=officeFactory.returnOffice(selOffice);

    Equipment equipment = new Equipment(eqnum,eqname,chosenCondition(condition),office);
    //Call EditRow Method to Update Database
    mySql.EditRow(equipment,oldEQnum);
    clearDisplayTable();
```

```java
    //Call ShowRec Method to Get Records from Database
    equips = mySql.ShowRec();

    //Display Data in Table
    model=(DefaultTableModel) jTable1.getModel();
    for(Equipment e: equips)
        model.addRow(new Object[] {e.getEQNum(),e.getEQName(),e.getEQCondition(),e.getOffice().OfficeName()});

    //Empty Text Fields
    jTextField1.setText("");
    jTextField2.setText("");
}

//Add Equipment record to Database
private void addButtonActionPerformed(java.awt.event.ActionEvent evt) {

    //Get inputs from textfield and combobox
    int eqnum=Integer.parseInt(jTextField1.getText());
    String eqname=jTextField2.getText();
    int condition=jComboBox2.getSelectedIndex();
    int selOffice=jComboBox1.getSelectedIndex();


    //Factory Method Pattern for Creating Office Object
    officeFactory = new OFactoryChoices();
    office=officeFactory.returnOffice(selOffice);

    Equipment equipment=new Equipment(eqnum,eqname,chosenCondition(condition),office);
    //Call AddRow Method to Add into Database
    mySql.AddRow(equipment);

    //Empty Text Fields
    jTextField1.setText("");
    jTextField2.setText("");

    clearDisplayTable();
    //Call ShowRec Method to Get Records from Database
    equips = mySql.ShowRec();

    //Display Data in Table
    model=(DefaultTableModel) jTable1.getModel();
    for(Equipment e: equips)
        model.addRow(new Object[] {e.getEQNum(),e.getEQName(),e.getEQCondition(),e.getOffice().OfficeName()});
}

//Refresh Application Form
private void displayButtonActionPerformed(java.awt.event.ActionEvent evt) {
    clearDisplayTable();
    equips = mySql.ShowRec();

    //Display Data in Table
    model=(DefaultTableModel) jTable1.getModel();
    for(Equipment e: equips)
        model.addRow(new Object[] {e.getEQNum(),e.getEQName(),e.getEQCondition(),e.getOffice().OfficeName()});

    //Empty Text Fields
    jTextField1.setText("");
    jTextField2.setText("");
}

//Remove equipment record from database
private void DeleteButtonActionPerformed(java.awt.event.ActionEvent evt) {

    //Get inputs from textfield and combobox
    int eqnum=Integer.parseInt(jTextField1.getText());
    String eqname=jTextField2.getText();
```

```java
    int condition=jComboBox2.getSelectedIndex();
    int selOffice=jComboBox1.getSelectedIndex();

    //Factory Method Pattern for Creating Office Object
    officeFactory = new OFactoryChoices();
    office=officeFactory.returnOffice(selOffice);

    Equipment equipment=new Equipment(eqnum,eqname,chosenCondition(condition),office);
    //Call DeleteRow method to remove record from database
    mySql.DeleteRow(oldEQnum);

    clearDisplayTable();
    //Call ShowRec Method to Get Records from Database
    equips = mySql.ShowRec();

    //Display Data in Table
    model=(DefaultTableModel) jTable1.getModel();
    for(Equipment e: equips)
    model.addRow(new Object[] {e.getEQNum(),e.getEQName(),e.getEQCondition(),e.getOffice().OfficeName()});

    //Empty Text Fields
    jTextField1.setText("");
    jTextField2.setText("");
}

//Show Table on Application Start
private void formWindowOpened(java.awt.event.WindowEvent evt) {
    clearDisplayTable();
    //Call ShowRec Method to Get Records from Database
    equips = mySql.ShowRec();

    //Display Data in Table
    model=(DefaultTableModel) jTable1.getModel();
    for(Equipment e: equips)
        model.addRow(new Object[] {e.getEQNum(),e.getEQName(),e.getEQCondition(),e.getOffice().OfficeName()});

            clearDisplayTable();
    equips = mySql.ShowRec();

    model=(DefaultTableModel) jTable1.getModel();
    for(Equipment e: equips)
        model.addRow(new Object[] {e.getEQNum(),e.getEQName(),e.getEQCondition(),e.getOffice().OfficeName()});

}

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

    purch.show();                         //shows the form
    ArrayList<Equipment> equipment = mySql.ShowPur();   //new array list that only contains "Lost" or "For Replacement" equips
    purch.listener(equipment);                //runs purch's window listener and passes equipment as a parameter
}

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    totalform.show();                  //shows the form
    totalform.listener(equips);        //the array list "equips" gets passed to the totalform's window listener
}

private void jTable1MouseClicked(java.awt.event.MouseEvent evt) {
    // gets the model from the jtable
    DefaultTableModel model = (DefaultTableModel)jTable1.getModel();

    // gets the selected row index
    int selectedRowIndex = jTable1.getSelectedRow();

    // sets the selected row data into jtextfields
    jTextField1.setText(model.getValueAt(selectedRowIndex, 0).toString());
```

```java
      jTextField2.setText(model.getValueAt(selectedRowIndex, 1).toString());

      oldEQnum = Integer.parseInt(jTextField1.getText());
}

private void jComboBox1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

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


//clears all elements from the table
public void clearDisplayTable()
{
    model=(DefaultTableModel) jTable1.getModel();
    model.getDataVector().removeAllElements();
    model.fireTableDataChanged(); // notifies the JTable that the model has changed
}


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

    /* Create and display the form */
    java.awt.EventQueue.invokeLater(new Runnable() {
        public void run() {
            new MyDBApp().setVisible(true);
        }
    });
}
//RETURNS STRINGS BASED ON "condition"
public static String chosenCondition(int condition){
    switch (condition) {
        case 0:
            return "Good";
        case 1:
            return "Needs Repair";
        case 2:
            return "For Replacement";
```

```java
      case 3:
        return "Lost";
      default:
        return "Error";
    }
  }

  // Variables declaration - do not modify
  private javax.swing.JButton DeleteButton;
  private javax.swing.JButton addButton;
  private javax.swing.JButton displayButton;
  private javax.swing.JButton editButton;
  private javax.swing.JButton jButton1;
  private javax.swing.JButton jButton2;
  private javax.swing.JComboBox<String> jComboBox1;
  private javax.swing.JComboBox<String> jComboBox2;
  private javax.swing.JLabel jLabel1;
  private javax.swing.JLabel jLabel2;
  private javax.swing.JLabel jLabel3;
  private javax.swing.JLabel jLabel4;
  private javax.swing.JLabel jLabel5;
  private javax.swing.JPanel jPanel1;
  private javax.swing.JPanel jPanel2;
  private javax.swing.JPanel jPanel3;
  private javax.swing.JPanel jPanel4;
  private javax.swing.JScrollPane jScrollPane1;
  private javax.swing.JTable jTable1;
  private javax.swing.JTextField jTextField1;
  private javax.swing.JTextField jTextField2;
  // End of variables declaration
}
```
----------MyDBApp--

----------PurchaseForm--
```java
package MyApp;

import MyLibs.Equipment;
import MyLibs.MySqlClass;
import java.awt.event.WindowEvent;
import java.awt.event.WindowListener;
import java.util.ArrayList;
import javax.swing.JLabel;
import javax.swing.JTextField;


public class PurchaseForm extends javax.swing.JFrame {
  private MySqlClass mySql=new MySqlClass();

    //this is the method that contains the window listener
    public void listener(ArrayList<Equipment> equips) {
    WindowListener taskStarterWindowListener = new WindowListener() {
    @Override
    //executes when window is opened
    public void windowOpened(WindowEvent e) {
      System.out.println("Performing task...");
      runPurchaseForm(equips);
    }

    @Override
    //executes when window is closing
    public void windowClosing(WindowEvent e) {
      //do nothing
    }

    @Override
```

```java
      //executes when window is closed
      public void windowClosed(WindowEvent e) {
      }

      @Override
      //executes when window is minimized
      public void windowIconified(WindowEvent e) {
      }

      @Override
      //executes when window is not minimized
      public void windowDeiconified(WindowEvent e) {
      }

      @Override
        //executes when window is activated
      public void windowActivated(WindowEvent e) {
      }

      @Override
        //executes when window is deactivated
      public void windowDeactivated(WindowEvent e) {
      }
    };
    this.addWindowListener(taskStarterWindowListener);
}

  /**
   * Creates new form PurchaseForm
   */
  public PurchaseForm() {
    initComponents();
  }


  @SuppressWarnings("unchecked")
  // <editor-fold defaultstate="collapsed" desc="Generated Code">
  private void initComponents() {

    jLabel1 = new javax.swing.JLabel();
    jLabel2 = new javax.swing.JLabel();
    jLabel3 = new javax.swing.JLabel();
    jLabel5 = new javax.swing.JLabel();
    jPanel11 = new javax.swing.JPanel();
    lbl15 = new javax.swing.JLabel();
    lbl30 = new javax.swing.JLabel();
    lbl45 = new javax.swing.JLabel();
    lbl60 = new javax.swing.JLabel();
    jPanel12 = new javax.swing.JPanel();
    lbl1 = new javax.swing.JLabel();
    lbl16 = new javax.swing.JLabel();
    lbl31 = new javax.swing.JLabel();
    lbl46 = new javax.swing.JLabel();
    jPanel13 = new javax.swing.JPanel();
    lbl2 = new javax.swing.JLabel();
    lbl17 = new javax.swing.JLabel();
    lbl32 = new javax.swing.JLabel();
    lbl47 = new javax.swing.JLabel();
    jPanel14 = new javax.swing.JPanel();
    lbl3 = new javax.swing.JLabel();
    lbl18 = new javax.swing.JLabel();
    lbl33 = new javax.swing.JLabel();
    lbl49 = new javax.swing.JLabel();
    jPanel15 = new javax.swing.JPanel();
    lbl4 = new javax.swing.JLabel();
    lbl19 = new javax.swing.JLabel();
```

```
lbl34 = new javax.swing.JLabel();
lbl48 = new javax.swing.JLabel();
jPanel16 = new javax.swing.JPanel();
lbl5 = new javax.swing.JLabel();
lbl20 = new javax.swing.JLabel();
lbl35 = new javax.swing.JLabel();
lbl50 = new javax.swing.JLabel();
jPanel17 = new javax.swing.JPanel();
lbl6 = new javax.swing.JLabel();
lbl21 = new javax.swing.JLabel();
lbl36 = new javax.swing.JLabel();
lbl51 = new javax.swing.JLabel();
jPanel18 = new javax.swing.JPanel();
lbl7 = new javax.swing.JLabel();
lbl22 = new javax.swing.JLabel();
lbl37 = new javax.swing.JLabel();
lbl52 = new javax.swing.JLabel();
jPanel19 = new javax.swing.JPanel();
lbl8 = new javax.swing.JLabel();
lbl23 = new javax.swing.JLabel();
lbl38 = new javax.swing.JLabel();
lbl53 = new javax.swing.JLabel();
jPanel20 = new javax.swing.JPanel();
lbl9 = new javax.swing.JLabel();
lbl24 = new javax.swing.JLabel();
lbl39 = new javax.swing.JLabel();
lbl54 = new javax.swing.JLabel();
jPanel21 = new javax.swing.JPanel();
lbl10 = new javax.swing.JLabel();
lbl25 = new javax.swing.JLabel();
lbl40 = new javax.swing.JLabel();
lbl55 = new javax.swing.JLabel();
jPanel22 = new javax.swing.JPanel();
lbl11 = new javax.swing.JLabel();
lbl26 = new javax.swing.JLabel();
lbl41 = new javax.swing.JLabel();
lbl57 = new javax.swing.JLabel();
jPanel23 = new javax.swing.JPanel();
lbl12 = new javax.swing.JLabel();
lbl27 = new javax.swing.JLabel();
lbl42 = new javax.swing.JLabel();
lbl56 = new javax.swing.JLabel();
jPanel24 = new javax.swing.JPanel();
lbl13 = new javax.swing.JLabel();
lbl28 = new javax.swing.JLabel();
lbl43 = new javax.swing.JLabel();
lbl58 = new javax.swing.JLabel();
jPanel25 = new javax.swing.JPanel();
lbl14 = new javax.swing.JLabel();
lbl29 = new javax.swing.JLabel();
lbl44 = new javax.swing.JLabel();
lbl59 = new javax.swing.JLabel();
jPanel1 = new javax.swing.JPanel();
jLabel4 = new javax.swing.JLabel();
jPanel2 = new javax.swing.JPanel();

setTitle("Equipment List");
setBackground(new java.awt.Color(245, 232, 228));
getContentPane().setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

jLabel1.setFont(new java.awt.Font("Tahoma", 0, 24)); // NOI18N
jLabel1.setText("ID");
getContentPane().add(jLabel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(60, 110, 30, -1));

jLabel2.setFont(new java.awt.Font("Tahoma", 0, 24)); // NOI18N
jLabel2.setText("Name");
```

```java
getContentPane().add(jLabel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(160, 110, -1, -1));

jLabel3.setFont(new java.awt.Font("Tahoma", 0, 24)); // NOI18N
jLabel3.setText("Office");
getContentPane().add(jLabel3, new org.netbeans.lib.awtextra.AbsoluteConstraints(610, 110, -1, -1));

jLabel5.setFont(new java.awt.Font("Tahoma", 0, 24)); // NOI18N
jLabel5.setText("Condition");
getContentPane().add(jLabel5, new org.netbeans.lib.awtextra.AbsoluteConstraints(340, 110, -1, -1));

jPanel11.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));
jPanel11.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

lbl15.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel11.add(lbl15, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 0, 70, 30));

lbl30.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel11.add(lbl30, new org.netbeans.lib.awtextra.AbsoluteConstraints(110, 0, 170, 30));

lbl45.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel11.add(lbl45, new org.netbeans.lib.awtextra.AbsoluteConstraints(290, 0, 250, 30));

lbl60.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel11.add(lbl60, new org.netbeans.lib.awtextra.AbsoluteConstraints(560, 0, 140, 30));

getContentPane().add(jPanel11, new org.netbeans.lib.awtextra.AbsoluteConstraints(50, 560, 700, 30));

jPanel12.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));
jPanel12.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

lbl1.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel12.add(lbl1, new org.netbeans.lib.awtextra.AbsoluteConstraints(560, 0, 140, 30));

lbl16.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel12.add(lbl16, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 0, 70, 30));

lbl31.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel12.add(lbl31, new org.netbeans.lib.awtextra.AbsoluteConstraints(110, 0, 170, 30));

lbl46.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel12.add(lbl46, new org.netbeans.lib.awtextra.AbsoluteConstraints(290, 0, 240, 30));

getContentPane().add(jPanel12, new org.netbeans.lib.awtextra.AbsoluteConstraints(50, 140, 700, 30));

jPanel13.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));
jPanel13.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

lbl2.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel13.add(lbl2, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 0, 70, 30));

lbl17.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel13.add(lbl17, new org.netbeans.lib.awtextra.AbsoluteConstraints(110, 0, 170, 30));

lbl32.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel13.add(lbl32, new org.netbeans.lib.awtextra.AbsoluteConstraints(290, 0, 250, 30));

lbl47.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel13.add(lbl47, new org.netbeans.lib.awtextra.AbsoluteConstraints(560, 0, 140, 30));

getContentPane().add(jPanel13, new org.netbeans.lib.awtextra.AbsoluteConstraints(50, 170, 700, 30));

jPanel14.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));
jPanel14.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

lbl3.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel14.add(lbl3, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 0, 70, 30));
```

```java
lbl18.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel14.add(lbl18, new org.netbeans.lib.awtextra.AbsoluteConstraints(110, 0, 170, 30));

lbl33.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel14.add(lbl33, new org.netbeans.lib.awtextra.AbsoluteConstraints(290, 0, 250, 30));

lbl49.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel14.add(lbl49, new org.netbeans.lib.awtextra.AbsoluteConstraints(560, 0, 140, 30));

getContentPane().add(jPanel14, new org.netbeans.lib.awtextra.AbsoluteConstraints(50, 200, 700, 30));

jPanel15.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));
jPanel15.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

lbl4.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel15.add(lbl4, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 0, 70, 28));

lbl19.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel15.add(lbl19, new org.netbeans.lib.awtextra.AbsoluteConstraints(110, 0, 170, 30));

lbl34.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel15.add(lbl34, new org.netbeans.lib.awtextra.AbsoluteConstraints(290, 0, 250, 30));

lbl48.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel15.add(lbl48, new org.netbeans.lib.awtextra.AbsoluteConstraints(560, 0, 140, 30));

getContentPane().add(jPanel15, new org.netbeans.lib.awtextra.AbsoluteConstraints(50, 230, 700, 30));

jPanel16.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));
jPanel16.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

lbl5.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel16.add(lbl5, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 0, 77, 28));

lbl20.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel16.add(lbl20, new org.netbeans.lib.awtextra.AbsoluteConstraints(110, 0, 170, 30));

lbl35.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel16.add(lbl35, new org.netbeans.lib.awtextra.AbsoluteConstraints(290, 0, 250, 30));

lbl50.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel16.add(lbl50, new org.netbeans.lib.awtextra.AbsoluteConstraints(560, 0, 140, 30));

getContentPane().add(jPanel16, new org.netbeans.lib.awtextra.AbsoluteConstraints(50, 260, 700, 30));

jPanel17.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));
jPanel17.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

lbl6.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel17.add(lbl6, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 0, 87, 30));

lbl21.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel17.add(lbl21, new org.netbeans.lib.awtextra.AbsoluteConstraints(110, 0, 170, 30));

lbl36.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel17.add(lbl36, new org.netbeans.lib.awtextra.AbsoluteConstraints(290, 0, 250, 30));

lbl51.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel17.add(lbl51, new org.netbeans.lib.awtextra.AbsoluteConstraints(560, 0, 140, 30));

getContentPane().add(jPanel17, new org.netbeans.lib.awtextra.AbsoluteConstraints(50, 290, 700, 30));

jPanel18.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));
jPanel18.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
```

```
lbl7.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel18.add(lbl7, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 0, 78, 28));

lbl22.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel18.add(lbl22, new org.netbeans.lib.awtextra.AbsoluteConstraints(110, 0, 170, 30));

lbl37.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel18.add(lbl37, new org.netbeans.lib.awtextra.AbsoluteConstraints(290, 0, 250, 30));

lbl52.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel18.add(lbl52, new org.netbeans.lib.awtextra.AbsoluteConstraints(560, 0, 140, 30));

getContentPane().add(jPanel18, new org.netbeans.lib.awtextra.AbsoluteConstraints(50, 320, 700, 30));

jPanel19.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));
jPanel19.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

lbl8.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel19.add(lbl8, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 0, 75, 28));

lbl23.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel19.add(lbl23, new org.netbeans.lib.awtextra.AbsoluteConstraints(110, 0, 170, 30));

lbl38.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel19.add(lbl38, new org.netbeans.lib.awtextra.AbsoluteConstraints(290, 0, 250, 30));

lbl53.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel19.add(lbl53, new org.netbeans.lib.awtextra.AbsoluteConstraints(560, 0, 140, 30));

getContentPane().add(jPanel19, new org.netbeans.lib.awtextra.AbsoluteConstraints(50, 350, 700, 30));

jPanel20.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));
jPanel20.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

lbl9.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel20.add(lbl9, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 0, 77, 30));

lbl24.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel20.add(lbl24, new org.netbeans.lib.awtextra.AbsoluteConstraints(110, 0, 170, 30));

lbl39.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel20.add(lbl39, new org.netbeans.lib.awtextra.AbsoluteConstraints(290, 0, 250, 30));

lbl54.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel20.add(lbl54, new org.netbeans.lib.awtextra.AbsoluteConstraints(560, 0, 140, 30));

getContentPane().add(jPanel20, new org.netbeans.lib.awtextra.AbsoluteConstraints(50, 380, 700, 30));

jPanel21.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));
jPanel21.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

lbl10.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel21.add(lbl10, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 0, 70, 30));

lbl25.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel21.add(lbl25, new org.netbeans.lib.awtextra.AbsoluteConstraints(110, 0, 170, 30));

lbl40.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel21.add(lbl40, new org.netbeans.lib.awtextra.AbsoluteConstraints(290, 0, 250, 30));

lbl55.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel21.add(lbl55, new org.netbeans.lib.awtextra.AbsoluteConstraints(560, 0, 140, 30));

getContentPane().add(jPanel21, new org.netbeans.lib.awtextra.AbsoluteConstraints(50, 410, 700, 30));

jPanel22.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));
```

```java
jPanel22.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

lbl11.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel22.add(lbl11, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 0, 70, 30));

lbl26.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel22.add(lbl26, new org.netbeans.lib.awtextra.AbsoluteConstraints(110, 0, 170, 30));

lbl41.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel22.add(lbl41, new org.netbeans.lib.awtextra.AbsoluteConstraints(290, 0, 250, 30));

lbl57.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel22.add(lbl57, new org.netbeans.lib.awtextra.AbsoluteConstraints(560, 0, 140, 30));

getContentPane().add(jPanel22, new org.netbeans.lib.awtextra.AbsoluteConstraints(50, 440, 700, 30));

jPanel23.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));
jPanel23.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

lbl12.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel23.add(lbl12, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 0, 70, 30));

lbl27.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel23.add(lbl27, new org.netbeans.lib.awtextra.AbsoluteConstraints(110, 0, 170, 30));

lbl42.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel23.add(lbl42, new org.netbeans.lib.awtextra.AbsoluteConstraints(290, 0, 250, 30));

lbl56.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel23.add(lbl56, new org.netbeans.lib.awtextra.AbsoluteConstraints(560, 0, 140, 30));

getContentPane().add(jPanel23, new org.netbeans.lib.awtextra.AbsoluteConstraints(50, 470, 700, 30));

jPanel24.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));
jPanel24.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

lbl13.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel24.add(lbl13, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 0, 70, 30));

lbl28.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel24.add(lbl28, new org.netbeans.lib.awtextra.AbsoluteConstraints(110, 0, 170, 30));

lbl43.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel24.add(lbl43, new org.netbeans.lib.awtextra.AbsoluteConstraints(290, 0, 250, 30));

lbl58.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel24.add(lbl58, new org.netbeans.lib.awtextra.AbsoluteConstraints(560, 0, 140, 30));

getContentPane().add(jPanel24, new org.netbeans.lib.awtextra.AbsoluteConstraints(50, 500, 700, 30));

jPanel25.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));
jPanel25.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

lbl14.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel25.add(lbl14, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 0, 70, 30));

lbl29.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel25.add(lbl29, new org.netbeans.lib.awtextra.AbsoluteConstraints(110, 0, 170, 30));

lbl44.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel25.add(lbl44, new org.netbeans.lib.awtextra.AbsoluteConstraints(290, 0, 250, 30));

lbl59.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel25.add(lbl59, new org.netbeans.lib.awtextra.AbsoluteConstraints(560, 0, 140, 30));

getContentPane().add(jPanel25, new org.netbeans.lib.awtextra.AbsoluteConstraints(50, 530, 700, 30));
```

```java
    jPanel1.setBackground(new java.awt.Color(65, 21, 48));

    jLabel4.setBackground(new java.awt.Color(255, 255, 255));
    jLabel4.setFont(new java.awt.Font("Tahoma", 0, 36)); // NOI18N
    jLabel4.setForeground(new java.awt.Color(255, 255, 255));
    jLabel4.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
    jLabel4.setText("Purchase Report");

    javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
    jPanel1.setLayout(jPanel1Layout);
    jPanel1Layout.setHorizontalGroup(
      jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
      .addGroup(jPanel1Layout.createSequentialGroup()
        .addGap(264, 264, 264)
        .addComponent(jLabel4)
        .addContainerGap(275, Short.MAX_VALUE))
    );
    jPanel1Layout.setVerticalGroup(
      jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
      .addGroup(jPanel1Layout.createSequentialGroup()
        .addGap(20, 20, 20)
        .addComponent(jLabel4)
        .addContainerGap(25, Short.MAX_VALUE))
    );

    getContentPane().add(jPanel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, -1, -1));

    javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
    jPanel2.setLayout(jPanel2Layout);
    jPanel2Layout.setHorizontalGroup(
      jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
      .addGap(0, 700, Short.MAX_VALUE)
    );
    jPanel2Layout.setVerticalGroup(
      jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
      .addGap(0, 40, Short.MAX_VALUE)
    );

    getContentPane().add(jPanel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(50, 600, 700, 40));

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

//method that will populate the set jLabels
public void runPurchaseForm(ArrayList<Equipment> equips) {
  //Create and display the form
  int size = equips.size();   //gets the length of the array list equips
  //sets data on jLabels
  for(int num = 0;num<size;num++)
    if(num == 0){
      lbl16.setText(String.valueOf(equips.get(num).getEQNum()));
      lbl31.setText(equips.get(num).getEQName());
      lbl46.setText(equips.get(num).getEQCondition());
      lbl1.setText(equips.get(num).getOffice().OfficeName());
    }
    else if(num == 1){
      lbl2.setText(String.valueOf(equips.get(num).getEQNum()));
      lbl17.setText(equips.get(num).getEQName());
      lbl32.setText(equips.get(num).getEQCondition());
      lbl47.setText(equips.get(num).getOffice().OfficeName());

    }
    else if(num == 2){
      lbl3.setText(String.valueOf(equips.get(num).getEQNum()));
      lbl18.setText(equips.get(num).getEQName());
```

```java
      lbl33.setText(equips.get(num).getEQCondition());
      lbl49.setText(equips.get(num).getOffice().OfficeName());
}
else if(num == 3){
   lbl4.setText(String.valueOf(equips.get(num).getEQNum()));
   lbl19.setText(equips.get(num).getEQName());
   lbl34.setText(equips.get(num).getEQCondition());
   lbl48.setText(equips.get(num).getOffice().OfficeName());
}
else if(num == 4){
   lbl5.setText(String.valueOf(equips.get(num).getEQNum()));
   lbl20.setText(equips.get(num).getEQName());
   lbl35.setText(equips.get(num).getEQCondition());
   lbl50.setText(equips.get(num).getOffice().OfficeName());
}
else if(num == 5){
   lbl6.setText(String.valueOf(equips.get(num).getEQNum()));
   lbl21.setText(equips.get(num).getEQName());
   lbl36.setText(equips.get(num).getEQCondition());
   lbl51.setText(equips.get(num).getOffice().OfficeName());
}
else if(num == 6){
   lbl7.setText(String.valueOf(equips.get(num).getEQNum()));
   lbl22.setText(equips.get(num).getEQName());
   lbl37.setText(equips.get(num).getEQCondition());
   lbl52.setText(equips.get(num).getOffice().OfficeName());
}
else if(num == 7){
   lbl8.setText(String.valueOf(equips.get(num).getEQNum()));
   lbl23.setText(equips.get(num).getEQName());
   lbl38.setText(equips.get(num).getEQCondition());
   lbl53.setText(equips.get(num).getOffice().OfficeName());
}
else if(num == 8){
   lbl9.setText(String.valueOf(equips.get(num).getEQNum()));
   lbl24.setText(equips.get(num).getEQName());
   lbl39.setText(equips.get(num).getEQCondition());
   lbl54.setText(equips.get(num).getOffice().OfficeName());
}
else if(num == 9){
   lbl10.setText(String.valueOf(equips.get(num).getEQNum()));
   lbl25.setText(equips.get(num).getEQName());
   lbl40.setText(equips.get(num).getEQCondition());
   lbl55.setText(equips.get(num).getOffice().OfficeName());
}
else if(num == 10){
   lbl11.setText(String.valueOf(equips.get(num).getEQNum()));
   lbl26.setText(equips.get(num).getEQName());
   lbl41.setText(equips.get(num).getEQCondition());
   lbl57.setText(equips.get(num).getOffice().OfficeName());
}
else if(num == 11){
   lbl12.setText(String.valueOf(equips.get(num).getEQNum()));
   lbl27.setText(equips.get(num).getEQName());
   lbl42.setText(equips.get(num).getEQCondition());
   lbl56.setText(equips.get(num).getOffice().OfficeName());
}
else if(num == 12){
   lbl13.setText(String.valueOf(equips.get(num).getEQNum()));
   lbl28.setText(equips.get(num).getEQName());
   lbl43.setText(equips.get(num).getEQCondition());
   lbl58.setText(equips.get(num).getOffice().OfficeName());
}
else if(num == 13){
   lbl14.setText(String.valueOf(equips.get(num).getEQNum()));
   lbl29.setText(equips.get(num).getEQName());
```

```java
            lbl44.setText(equips.get(num).getEQCondition());
            lbl59.setText(equips.get(num).getOffice().OfficeName());
        }
        else if(num == 14){
            lbl15.setText(String.valueOf(equips.get(num).getEQNum()));
            lbl30.setText(equips.get(num).getEQName());
            lbl45.setText(equips.get(num).getEQCondition());
            lbl60.setText(equips.get(num).getOffice().OfficeName());
        }
    }

    // Variables declaration - do not modify
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JLabel jLabel3;
    private javax.swing.JLabel jLabel4;
    private javax.swing.JLabel jLabel5;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JPanel jPanel11;
    private javax.swing.JPanel jPanel12;
    private javax.swing.JPanel jPanel13;
    private javax.swing.JPanel jPanel14;
    private javax.swing.JPanel jPanel15;
    private javax.swing.JPanel jPanel16;
    private javax.swing.JPanel jPanel17;
    private javax.swing.JPanel jPanel18;
    private javax.swing.JPanel jPanel19;
    private javax.swing.JPanel jPanel2;
    private javax.swing.JPanel jPanel20;
    private javax.swing.JPanel jPanel21;
    private javax.swing.JPanel jPanel22;
    private javax.swing.JPanel jPanel23;
    private javax.swing.JPanel jPanel24;
    private javax.swing.JPanel jPanel25;
    private javax.swing.JLabel lbl1;
    private javax.swing.JLabel lbl10;
    private javax.swing.JLabel lbl11;
    private javax.swing.JLabel lbl12;
    private javax.swing.JLabel lbl13;
    private javax.swing.JLabel lbl14;
    private javax.swing.JLabel lbl15;
    private javax.swing.JLabel lbl16;
    private javax.swing.JLabel lbl17;
    private javax.swing.JLabel lbl18;
    private javax.swing.JLabel lbl19;
    private javax.swing.JLabel lbl2;
    private javax.swing.JLabel lbl20;
    private javax.swing.JLabel lbl21;
    private javax.swing.JLabel lbl22;
    private javax.swing.JLabel lbl23;
    private javax.swing.JLabel lbl24;
    private javax.swing.JLabel lbl25;
    private javax.swing.JLabel lbl26;
    private javax.swing.JLabel lbl27;
    private javax.swing.JLabel lbl28;
    private javax.swing.JLabel lbl29;
    private javax.swing.JLabel lbl3;
    private javax.swing.JLabel lbl30;
    private javax.swing.JLabel lbl31;
    private javax.swing.JLabel lbl32;
    private javax.swing.JLabel lbl33;
    private javax.swing.JLabel lbl34;
    private javax.swing.JLabel lbl35;
    private javax.swing.JLabel lbl36;
    private javax.swing.JLabel lbl37;
    private javax.swing.JLabel lbl38;
```

```java
    private javax.swing.JLabel lbl39;
    private javax.swing.JLabel lbl4;
    private javax.swing.JLabel lbl40;
    private javax.swing.JLabel lbl41;
    private javax.swing.JLabel lbl42;
    private javax.swing.JLabel lbl43;
    private javax.swing.JLabel lbl44;
    private javax.swing.JLabel lbl45;
    private javax.swing.JLabel lbl46;
    private javax.swing.JLabel lbl47;
    private javax.swing.JLabel lbl48;
    private javax.swing.JLabel lbl49;
    private javax.swing.JLabel lbl5;
    private javax.swing.JLabel lbl50;
    private javax.swing.JLabel lbl51;
    private javax.swing.JLabel lbl52;
    private javax.swing.JLabel lbl53;
    private javax.swing.JLabel lbl54;
    private javax.swing.JLabel lbl55;
    private javax.swing.JLabel lbl56;
    private javax.swing.JLabel lbl57;
    private javax.swing.JLabel lbl58;
    private javax.swing.JLabel lbl59;
    private javax.swing.JLabel lbl6;
    private javax.swing.JLabel lbl60;
    private javax.swing.JLabel lbl7;
    private javax.swing.JLabel lbl8;
    private javax.swing.JLabel lbl9;
    // End of variables declaration
}
```
----------PurchaseForm--

----------TotalForm---

```java
package MyApp;

import MyLibs.Equipment;
import MyLibs.MySqlClass;
import java.awt.event.WindowEvent;
import java.awt.event.WindowListener;
import java.util.ArrayList;


public class TotalForm extends javax.swing.JFrame {
    private MySqlClass mySql=new MySqlClass();
        //this is the method that contains the window listener
        public void listener(ArrayList<Equipment> equips) {
        WindowListener taskStarterWindowListener = new WindowListener() {
            @Override
            //executes when window is opened
            public void windowOpened(WindowEvent e) {
                System.out.println("Performing task...");
                runTotalForm(equips);
            }

            @Override
            //executes when window is closing
            public void windowClosing(WindowEvent e) {
                //do nothing
            }

            @Override
            //executes when window is closed
            public void windowClosed(WindowEvent e) {
            }

            @Override
```

```java
        //executes when window is minimized
        public void windowIconified(WindowEvent e) {
        }

        @Override
        //executes when window is not minimized
        public void windowDeiconified(WindowEvent e) {
        }

        @Override
        //executes when window is activated
        public void windowActivated(WindowEvent e) {
        }

        @Override
        //executes when window is deactivated
        public void windowDeactivated(WindowEvent e) {
        }
    };
    this.addWindowListener(taskStarterWindowListener);
}

public TotalForm() {
    initComponents();
}

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

    jLabel1 = new javax.swing.JLabel();
    jLabel2 = new javax.swing.JLabel();
    jLabel3 = new javax.swing.JLabel();
    jLabel5 = new javax.swing.JLabel();
    jPanel11 = new javax.swing.JPanel();
    lbl15 = new javax.swing.JLabel();
    lbl30 = new javax.swing.JLabel();
    lbl45 = new javax.swing.JLabel();
    lbl60 = new javax.swing.JLabel();
    jPanel12 = new javax.swing.JPanel();
    lbl1 = new javax.swing.JLabel();
    lbl16 = new javax.swing.JLabel();
    lbl31 = new javax.swing.JLabel();
    lbl46 = new javax.swing.JLabel();
    jPanel13 = new javax.swing.JPanel();
    lbl2 = new javax.swing.JLabel();
    lbl17 = new javax.swing.JLabel();
    lbl32 = new javax.swing.JLabel();
    lbl47 = new javax.swing.JLabel();
    jPanel14 = new javax.swing.JPanel();
    lbl3 = new javax.swing.JLabel();
    lbl18 = new javax.swing.JLabel();
    lbl33 = new javax.swing.JLabel();
    lbl49 = new javax.swing.JLabel();
    jPanel15 = new javax.swing.JPanel();
    lbl4 = new javax.swing.JLabel();
    lbl19 = new javax.swing.JLabel();
    lbl34 = new javax.swing.JLabel();
    lbl48 = new javax.swing.JLabel();
    jPanel16 = new javax.swing.JPanel();
    lbl5 = new javax.swing.JLabel();
```

```
lbl20 = new javax.swing.JLabel();
lbl35 = new javax.swing.JLabel();
lbl50 = new javax.swing.JLabel();
jPanel17 = new javax.swing.JPanel();
lbl6 = new javax.swing.JLabel();
lbl21 = new javax.swing.JLabel();
lbl36 = new javax.swing.JLabel();
lbl51 = new javax.swing.JLabel();
jPanel18 = new javax.swing.JPanel();
lbl7 = new javax.swing.JLabel();
lbl22 = new javax.swing.JLabel();
lbl37 = new javax.swing.JLabel();
lbl52 = new javax.swing.JLabel();
jPanel19 = new javax.swing.JPanel();
lbl8 = new javax.swing.JLabel();
lbl23 = new javax.swing.JLabel();
lbl38 = new javax.swing.JLabel();
lbl53 = new javax.swing.JLabel();
jPanel20 = new javax.swing.JPanel();
lbl9 = new javax.swing.JLabel();
lbl24 = new javax.swing.JLabel();
lbl39 = new javax.swing.JLabel();
lbl54 = new javax.swing.JLabel();
jPanel21 = new javax.swing.JPanel();
lbl10 = new javax.swing.JLabel();
lbl25 = new javax.swing.JLabel();
lbl40 = new javax.swing.JLabel();
lbl55 = new javax.swing.JLabel();
jPanel22 = new javax.swing.JPanel();
lbl11 = new javax.swing.JLabel();
lbl26 = new javax.swing.JLabel();
lbl41 = new javax.swing.JLabel();
lbl57 = new javax.swing.JLabel();
jPanel23 = new javax.swing.JPanel();
lbl12 = new javax.swing.JLabel();
lbl27 = new javax.swing.JLabel();
lbl42 = new javax.swing.JLabel();
lbl56 = new javax.swing.JLabel();
jPanel24 = new javax.swing.JPanel();
lbl13 = new javax.swing.JLabel();
lbl28 = new javax.swing.JLabel();
lbl43 = new javax.swing.JLabel();
lbl58 = new javax.swing.JLabel();
jPanel1 = new javax.swing.JPanel();
jLabel4 = new javax.swing.JLabel();
jPanel25 = new javax.swing.JPanel();
lbl14 = new javax.swing.JLabel();
lbl29 = new javax.swing.JLabel();
lbl44 = new javax.swing.JLabel();
lbl59 = new javax.swing.JLabel();

setTitle("Equipment List");
setBackground(new java.awt.Color(245, 232, 228));

jLabel1.setFont(new java.awt.Font("Tahoma", 0, 24)); // NOI18N
jLabel1.setText("ID");

jLabel2.setFont(new java.awt.Font("Tahoma", 0, 24)); // NOI18N
jLabel2.setText("Name");

jLabel3.setFont(new java.awt.Font("Tahoma", 0, 24)); // NOI18N
jLabel3.setText("Office");

jLabel5.setFont(new java.awt.Font("Tahoma", 0, 24)); // NOI18N
jLabel5.setText("Condition");
```

```java
jPanel11.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));
jPanel11.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

lbl15.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel11.add(lbl15, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 0, 70, 30));

lbl30.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel11.add(lbl30, new org.netbeans.lib.awtextra.AbsoluteConstraints(110, 0, 170, 30));

lbl45.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel11.add(lbl45, new org.netbeans.lib.awtextra.AbsoluteConstraints(290, 0, 250, 30));

lbl60.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel11.add(lbl60, new org.netbeans.lib.awtextra.AbsoluteConstraints(560, 0, 140, 30));

jPanel12.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));
jPanel12.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

lbl1.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel12.add(lbl1, new org.netbeans.lib.awtextra.AbsoluteConstraints(560, 0, 140, 30));

lbl16.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel12.add(lbl16, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 0, 70, 30));

lbl31.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel12.add(lbl31, new org.netbeans.lib.awtextra.AbsoluteConstraints(110, 0, 170, 30));

lbl46.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel12.add(lbl46, new org.netbeans.lib.awtextra.AbsoluteConstraints(290, 0, 240, 30));

jPanel13.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));
jPanel13.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

lbl2.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel13.add(lbl2, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 0, 70, 30));

lbl17.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel13.add(lbl17, new org.netbeans.lib.awtextra.AbsoluteConstraints(110, 0, 170, 30));

lbl32.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel13.add(lbl32, new org.netbeans.lib.awtextra.AbsoluteConstraints(290, 0, 250, 30));

lbl47.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel13.add(lbl47, new org.netbeans.lib.awtextra.AbsoluteConstraints(560, 0, 140, 30));

jPanel14.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));
jPanel14.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

lbl3.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel14.add(lbl3, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 0, 70, 30));

lbl18.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel14.add(lbl18, new org.netbeans.lib.awtextra.AbsoluteConstraints(110, 0, 170, 30));

lbl33.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel14.add(lbl33, new org.netbeans.lib.awtextra.AbsoluteConstraints(290, 0, 250, 30));

lbl49.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel14.add(lbl49, new org.netbeans.lib.awtextra.AbsoluteConstraints(560, 0, 140, 30));

jPanel15.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));
jPanel15.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

lbl4.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel15.add(lbl4, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 0, 70, 28));
```

```java
lbl19.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel15.add(lbl19, new org.netbeans.lib.awtextra.AbsoluteConstraints(110, 0, 170, 30));

lbl34.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel15.add(lbl34, new org.netbeans.lib.awtextra.AbsoluteConstraints(290, 0, 250, 30));

lbl48.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel15.add(lbl48, new org.netbeans.lib.awtextra.AbsoluteConstraints(560, 0, 140, 30));

jPanel16.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));
jPanel16.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

lbl5.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel16.add(lbl5, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 0, 77, 28));

lbl20.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel16.add(lbl20, new org.netbeans.lib.awtextra.AbsoluteConstraints(110, 0, 170, 30));

lbl35.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel16.add(lbl35, new org.netbeans.lib.awtextra.AbsoluteConstraints(290, 0, 250, 30));

lbl50.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel16.add(lbl50, new org.netbeans.lib.awtextra.AbsoluteConstraints(560, 0, 140, 30));

jPanel17.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));
jPanel17.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

lbl6.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel17.add(lbl6, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 0, 87, 30));

lbl21.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel17.add(lbl21, new org.netbeans.lib.awtextra.AbsoluteConstraints(110, 0, 170, 30));

lbl36.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel17.add(lbl36, new org.netbeans.lib.awtextra.AbsoluteConstraints(290, 0, 250, 30));

lbl51.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel17.add(lbl51, new org.netbeans.lib.awtextra.AbsoluteConstraints(560, 0, 140, 30));

jPanel18.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));
jPanel18.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

lbl7.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel18.add(lbl7, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 0, 78, 28));

lbl22.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel18.add(lbl22, new org.netbeans.lib.awtextra.AbsoluteConstraints(110, 0, 170, 30));

lbl37.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel18.add(lbl37, new org.netbeans.lib.awtextra.AbsoluteConstraints(290, 0, 250, 30));

lbl52.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel18.add(lbl52, new org.netbeans.lib.awtextra.AbsoluteConstraints(560, 0, 140, 30));

jPanel19.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));
jPanel19.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

lbl8.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel19.add(lbl8, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 0, 75, 28));

lbl23.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel19.add(lbl23, new org.netbeans.lib.awtextra.AbsoluteConstraints(110, 0, 170, 30));

lbl38.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel19.add(lbl38, new org.netbeans.lib.awtextra.AbsoluteConstraints(290, 0, 250, 30));
```

```
lbl53.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel19.add(lbl53, new org.netbeans.lib.awtextra.AbsoluteConstraints(560, 0, 140, 30));

jPanel20.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));
jPanel20.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

lbl9.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel20.add(lbl9, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 0, 77, 30));

lbl24.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel20.add(lbl24, new org.netbeans.lib.awtextra.AbsoluteConstraints(110, 0, 170, 30));

lbl39.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel20.add(lbl39, new org.netbeans.lib.awtextra.AbsoluteConstraints(290, 0, 250, 30));

lbl54.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel20.add(lbl54, new org.netbeans.lib.awtextra.AbsoluteConstraints(560, 0, 140, 30));

jPanel21.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));
jPanel21.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

lbl10.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel21.add(lbl10, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 0, 70, 30));

lbl25.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel21.add(lbl25, new org.netbeans.lib.awtextra.AbsoluteConstraints(110, 0, 170, 30));

lbl40.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel21.add(lbl40, new org.netbeans.lib.awtextra.AbsoluteConstraints(290, 0, 250, 30));

lbl55.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel21.add(lbl55, new org.netbeans.lib.awtextra.AbsoluteConstraints(560, 0, 140, 30));

jPanel22.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));
jPanel22.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

lbl11.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel22.add(lbl11, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 0, 70, 30));

lbl26.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel22.add(lbl26, new org.netbeans.lib.awtextra.AbsoluteConstraints(110, 0, 170, 30));

lbl41.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel22.add(lbl41, new org.netbeans.lib.awtextra.AbsoluteConstraints(290, 0, 250, 30));

lbl57.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel22.add(lbl57, new org.netbeans.lib.awtextra.AbsoluteConstraints(560, 0, 140, 30));

jPanel23.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));
jPanel23.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

lbl12.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel23.add(lbl12, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 0, 70, 30));

lbl27.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel23.add(lbl27, new org.netbeans.lib.awtextra.AbsoluteConstraints(110, 0, 170, 30));

lbl42.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel23.add(lbl42, new org.netbeans.lib.awtextra.AbsoluteConstraints(290, 0, 250, 30));

lbl56.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel23.add(lbl56, new org.netbeans.lib.awtextra.AbsoluteConstraints(560, 0, 140, 30));

jPanel24.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));
jPanel24.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
```

```java
lbl13.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel24.add(lbl13, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 0, 70, 30));

lbl28.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel24.add(lbl28, new org.netbeans.lib.awtextra.AbsoluteConstraints(110, 0, 170, 30));

lbl43.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel24.add(lbl43, new org.netbeans.lib.awtextra.AbsoluteConstraints(290, 0, 250, 30));

lbl58.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel24.add(lbl58, new org.netbeans.lib.awtextra.AbsoluteConstraints(560, 0, 140, 30));

jPanel1.setBackground(new java.awt.Color(65, 21, 48));
jPanel1.setForeground(new java.awt.Color(255, 255, 255));
jPanel1.setToolTipText("");

jLabel4.setFont(new java.awt.Font("Tahoma", 0, 36)); // NOI18N
jLabel4.setForeground(new java.awt.Color(255, 255, 255));
jLabel4.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel4.setText("Equipment Report");
jLabel4.setToolTipText("");

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
  jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
  .addGroup(jPanel1Layout.createSequentialGroup()
    .addGap(240, 240, 240)
    .addComponent(jLabel4)
    .addContainerGap(250, Short.MAX_VALUE))
);
jPanel1Layout.setVerticalGroup(
  jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
  .addGroup(jPanel1Layout.createSequentialGroup()
    .addGap(20, 20, 20)
    .addComponent(jLabel4)
    .addContainerGap(25, Short.MAX_VALUE))
);

jPanel25.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));
jPanel25.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

lbl14.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel25.add(lbl14, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 0, 70, 30));

lbl29.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel25.add(lbl29, new org.netbeans.lib.awtextra.AbsoluteConstraints(110, 0, 170, 30));

lbl44.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel25.add(lbl44, new org.netbeans.lib.awtextra.AbsoluteConstraints(290, 0, 250, 30));

lbl59.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jPanel25.add(lbl59, new org.netbeans.lib.awtextra.AbsoluteConstraints(560, 0, 140, 30));

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
  layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
  .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
  .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(layout.createSequentialGroup()
      .addGap(0, 38, Short.MAX_VALUE)
      .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
          .addGap(10, 10, 10)
          .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 30, javax.swing.GroupLayout.PREFERRED_SIZE)
```

```java
                .addGap(70, 70, 70)
                .addComponent(jLabel2)
                .addGap(118, 118, 118)
                .addComponent(jLabel5)
                .addGap(173, 173, 173)
                .addComponent(jLabel3))
            .addComponent(jPanel12, javax.swing.GroupLayout.PREFERRED_SIZE, 700, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jPanel13, javax.swing.GroupLayout.PREFERRED_SIZE, 700, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jPanel14, javax.swing.GroupLayout.PREFERRED_SIZE, 700, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jPanel15, javax.swing.GroupLayout.PREFERRED_SIZE, 700, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jPanel16, javax.swing.GroupLayout.PREFERRED_SIZE, 700, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jPanel17, javax.swing.GroupLayout.PREFERRED_SIZE, 700, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jPanel18, javax.swing.GroupLayout.PREFERRED_SIZE, 700, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jPanel19, javax.swing.GroupLayout.PREFERRED_SIZE, 700, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jPanel20, javax.swing.GroupLayout.PREFERRED_SIZE, 700, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jPanel21, javax.swing.GroupLayout.PREFERRED_SIZE, 700, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jPanel22, javax.swing.GroupLayout.PREFERRED_SIZE, 700, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jPanel23, javax.swing.GroupLayout.PREFERRED_SIZE, 700, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jPanel24, javax.swing.GroupLayout.PREFERRED_SIZE, 700, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jPanel25, javax.swing.GroupLayout.PREFERRED_SIZE, 700, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jPanel11, javax.swing.GroupLayout.PREFERRED_SIZE, 700, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(0, 38, Short.MAX_VALUE)))
);
layout.setVerticalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(layout.createSequentialGroup()
        .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(0, 549, Short.MAX_VALUE))
    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
        .addGap(0, 114, Short.MAX_VALUE)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jLabel1)
            .addComponent(jLabel2)
            .addComponent(jLabel5)
            .addComponent(jLabel3))
        .addGap(1, 1, 1)
        .addComponent(jPanel12, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(0, 0, 0)
        .addComponent(jPanel13, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(0, 0, 0)
        .addComponent(jPanel14, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(0, 0, 0)
        .addComponent(jPanel15, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(0, 0, 0)
        .addComponent(jPanel16, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(0, 0, 0)
        .addComponent(jPanel17, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(0, 0, 0)
        .addComponent(jPanel18, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(0, 0, 0)
        .addComponent(jPanel19, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(0, 0, 0)
        .addComponent(jPanel20, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(0, 0, 0)
```

```java
            .addComponent(jPanel21, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(0, 0, 0)
            .addComponent(jPanel22, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(0, 0, 0)
            .addComponent(jPanel23, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(0, 0, 0)
            .addComponent(jPanel24, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(0, 0, 0)
            .addComponent(jPanel25, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(0, 0, 0)
            .addComponent(jPanel11, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(0, 44, Short.MAX_VALUE)))
    );

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

  //method that will populate the set jLabels
  public void runTotalForm(ArrayList<Equipment> equips) {
    //Create and display the form
    int size = equips.size();   //gets the length of the array list equips
    for(int num = 0;num<size;num++)
      //sets data on jLabels
      if(num == 0){
        lbl16.setText(String.valueOf(equips.get(num).getEQNum()));
        lbl31.setText(equips.get(num).getEQName());
        lbl46.setText(equips.get(num).getEQCondition());
        lbl1.setText(equips.get(num).getOffice().OfficeName());
      }
      else if(num == 1){
        lbl2.setText(String.valueOf(equips.get(num).getEQNum()));
        lbl17.setText(equips.get(num).getEQName());
        lbl32.setText(equips.get(num).getEQCondition());
        lbl47.setText(equips.get(num).getOffice().OfficeName());

      }
      else if(num == 2){
        lbl3.setText(String.valueOf(equips.get(num).getEQNum()));
        lbl18.setText(equips.get(num).getEQName());
        lbl33.setText(equips.get(num).getEQCondition());
        lbl49.setText(equips.get(num).getOffice().OfficeName());
      }
      else if(num == 3){
        lbl4.setText(String.valueOf(equips.get(num).getEQNum()));
        lbl19.setText(equips.get(num).getEQName());
        lbl34.setText(equips.get(num).getEQCondition());
        lbl48.setText(equips.get(num).getOffice().OfficeName());
      }
      else if(num == 4){
        lbl5.setText(String.valueOf(equips.get(num).getEQNum()));
        lbl20.setText(equips.get(num).getEQName());
        lbl35.setText(equips.get(num).getEQCondition());
        lbl50.setText(equips.get(num).getOffice().OfficeName());
      }
      else if(num == 5){
        lbl6.setText(String.valueOf(equips.get(num).getEQNum()));
        lbl21.setText(equips.get(num).getEQName());
        lbl36.setText(equips.get(num).getEQCondition());
        lbl51.setText(equips.get(num).getOffice().OfficeName());
      }
```

```java
        else if(num == 6){
            lbl7.setText(String.valueOf(equips.get(num).getEQNum()));
            lbl22.setText(equips.get(num).getEQName());
            lbl37.setText(equips.get(num).getEQCondition());
            lbl52.setText(equips.get(num).getOffice().OfficeName());
        }
        else if(num == 7){
            lbl8.setText(String.valueOf(equips.get(num).getEQNum()));
            lbl23.setText(equips.get(num).getEQName());
            lbl38.setText(equips.get(num).getEQCondition());
            lbl53.setText(equips.get(num).getOffice().OfficeName());
        }
        else if(num == 8){
            lbl9.setText(String.valueOf(equips.get(num).getEQNum()));
            lbl24.setText(equips.get(num).getEQName());
            lbl39.setText(equips.get(num).getEQCondition());
            lbl54.setText(equips.get(num).getOffice().OfficeName());
        }
        else if(num == 9){
            lbl10.setText(String.valueOf(equips.get(num).getEQNum()));
            lbl25.setText(equips.get(num).getEQName());
            lbl40.setText(equips.get(num).getEQCondition());
            lbl55.setText(equips.get(num).getOffice().OfficeName());
        }
        else if(num == 10){
            lbl11.setText(String.valueOf(equips.get(num).getEQNum()));
            lbl26.setText(equips.get(num).getEQName());
            lbl41.setText(equips.get(num).getEQCondition());
            lbl57.setText(equips.get(num).getOffice().OfficeName());
        }
        else if(num == 11){
            lbl12.setText(String.valueOf(equips.get(num).getEQNum()));
            lbl27.setText(equips.get(num).getEQName());
            lbl42.setText(equips.get(num).getEQCondition());
            lbl56.setText(equips.get(num).getOffice().OfficeName());
        }
        else if(num == 12){
            lbl13.setText(String.valueOf(equips.get(num).getEQNum()));
            lbl28.setText(equips.get(num).getEQName());
            lbl43.setText(equips.get(num).getEQCondition());
            lbl58.setText(equips.get(num).getOffice().OfficeName());
        }
        else if(num == 13){
            lbl14.setText(String.valueOf(equips.get(num).getEQNum()));
            lbl29.setText(equips.get(num).getEQName());
            lbl44.setText(equips.get(num).getEQCondition());
            lbl59.setText(equips.get(num).getOffice().OfficeName());
        }
        else if(num == 14){
            lbl15.setText(String.valueOf(equips.get(num).getEQNum()));
            lbl30.setText(equips.get(num).getEQName());
            lbl45.setText(equips.get(num).getEQCondition());
            lbl60.setText(equips.get(num).getOffice().OfficeName());
        }
    }

// Variables declaration - do not modify
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel11;
private javax.swing.JPanel jPanel12;
private javax.swing.JPanel jPanel13;
```

```java
private javax.swing.JPanel jPanel14;
private javax.swing.JPanel jPanel15;
private javax.swing.JPanel jPanel16;
private javax.swing.JPanel jPanel17;
private javax.swing.JPanel jPanel18;
private javax.swing.JPanel jPanel19;
private javax.swing.JPanel jPanel20;
private javax.swing.JPanel jPanel21;
private javax.swing.JPanel jPanel22;
private javax.swing.JPanel jPanel23;
private javax.swing.JPanel jPanel24;
private javax.swing.JPanel jPanel25;
private javax.swing.JLabel lbl1;
private javax.swing.JLabel lbl10;
private javax.swing.JLabel lbl11;
private javax.swing.JLabel lbl12;
private javax.swing.JLabel lbl13;
private javax.swing.JLabel lbl14;
private javax.swing.JLabel lbl15;
private javax.swing.JLabel lbl16;
private javax.swing.JLabel lbl17;
private javax.swing.JLabel lbl18;
private javax.swing.JLabel lbl19;
private javax.swing.JLabel lbl2;
private javax.swing.JLabel lbl20;
private javax.swing.JLabel lbl21;
private javax.swing.JLabel lbl22;
private javax.swing.JLabel lbl23;
private javax.swing.JLabel lbl24;
private javax.swing.JLabel lbl25;
private javax.swing.JLabel lbl26;
private javax.swing.JLabel lbl27;
private javax.swing.JLabel lbl28;
private javax.swing.JLabel lbl29;
private javax.swing.JLabel lbl3;
private javax.swing.JLabel lbl30;
private javax.swing.JLabel lbl31;
private javax.swing.JLabel lbl32;
private javax.swing.JLabel lbl33;
private javax.swing.JLabel lbl34;
private javax.swing.JLabel lbl35;
private javax.swing.JLabel lbl36;
private javax.swing.JLabel lbl37;
private javax.swing.JLabel lbl38;
private javax.swing.JLabel lbl39;
private javax.swing.JLabel lbl4;
private javax.swing.JLabel lbl40;
private javax.swing.JLabel lbl41;
private javax.swing.JLabel lbl42;
private javax.swing.JLabel lbl43;
private javax.swing.JLabel lbl44;
private javax.swing.JLabel lbl45;
private javax.swing.JLabel lbl46;
private javax.swing.JLabel lbl47;
private javax.swing.JLabel lbl48;
private javax.swing.JLabel lbl49;
private javax.swing.JLabel lbl5;
private javax.swing.JLabel lbl50;
private javax.swing.JLabel lbl51;
private javax.swing.JLabel lbl52;
private javax.swing.JLabel lbl53;
private javax.swing.JLabel lbl54;
private javax.swing.JLabel lbl55;
private javax.swing.JLabel lbl56;
private javax.swing.JLabel lbl57;
private javax.swing.JLabel lbl58;
```

```java
    private javax.swing.JLabel lbl59;
    private javax.swing.JLabel lbl6;
    private javax.swing.JLabel lbl60;
    private javax.swing.JLabel lbl7;
    private javax.swing.JLabel lbl8;
    private javax.swing.JLabel lbl9;
    // End of variables declaration
}
```

----------TotalForm---

----------Equipment---
```java
package MyLibs;

import MyLibs.MyOffices.IOffice;
import MyLibs.MyOffices.Office;


public class Equipment {
  //variables
  private int equipNum;
  private String equipName;
  private String condition;
  private IOffice office;

  //constructor for Equipment
  public Equipment(int equipNum, String equipName, String condition, IOffice office) {
    this.equipNum = equipNum;
    this.equipName = equipName;
    this.condition = condition;
    this.office = office;
  }

  //the following are getter methods
  public IOffice getOffice() {
    return office;
  }

  public int getEQNum() {
    return equipNum;
  }

  public String getEQName() {
    return equipName;
  }

  public String getEQCondition() {
    return condition;
  }

}
```
----------Equipment---

----------MySqlClass---
```java
package MyLibs;

import MyLibs.MyOffices.*;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.util.ArrayList;
import javax.swing.JOptionPane;
```

```java
//Connect to Database
public class MySqlClass {
    Connection myConn = null;
    Statement myStmt = null;
    ResultSet myRs = null;

    String user = "user1";
    String pass = "rootp@ss";

    IOffice office;
    OfficeFactory officeFactory;

    public void getConnection()
    {
        try {
            //Connect to database
            myConn =
DriverManager.getConnection("jdbc:mysql://localhost:3306/eq_db_eq_table?useUnicode=true&useJDBCCompliantTimezoneShift=true&useLe
gacyDatetimeCode=false&serverTimezone=UTC", user, pass);
        }catch(SQLException se)
            {
            System.out.println(se.getMessage());
            }
    }

    public void createTable()
    {
        getConnection();
        try{
            myStmt=myConn.createStatement();
            String qry="CREATE TABLE STUDREC(EQ_NUM INT, EQ_NAME VARCHAR(32), EQ_CONDITION VARCHAR(30), OFFICE INT, PRIMARY
KEY(EQ_NUM), FOREIGN KEY (OFFICE) REFERENCES office_db(office_id))";
            myStmt.executeUpdate(qry);
            }
            catch(SQLException se)
            {
            System.out.println(se.getMessage());
            }
    }

    //Add Query
    public void AddRow(Equipment equipment)
    {
        getConnection();
        int countFac;
        int countDean;
        int countSun;
        try{
            myStmt=myConn.createStatement();                            //Initialize query statement
            String query = "SELECT Count(*) from eq_table where office = 1";     //Query to get total number of items in table whose office has a
value of 1
            ResultSet rs = myStmt.executeQuery(query);                   //Assign result value to rs
            if (rs.next());
            countFac = rs.getInt(1);                                //Assign value in rs to countFac which is the number of items in table whose office is
Faculty
            query = "SELECT Count(*) from eq_table where office = 0";         //Query to get total number of items in table whose office has a value
of 0
            rs = myStmt.executeQuery(query);                          //Assign result value to rs
            if (rs.next());
            countDean = rs.getInt(1);                               //Assign value in rs to countFac which is the number of items in table whose office is
Dean's
            query = "SELECT Count(*) from eq_table where office = 2";         //Query to get total number of items in table whose office has a value
of 2
            rs = myStmt.executeQuery(query);                          //Assign result value to rs
            if (rs.next());
```

```java
            countSun = rs.getInt(1);                                //Assign value in rs to countFac which is the number of items in table whose office is
Sun&Moon


        switch(equipment.getOffice().OfficeNum()){
            case 0:
                if (countDean <= 4){                                //Checks and adds equipment to the table if the number of equipments in Dean's office
is less than 5
                    String qry="INSERT INTO eq_table VALUES(" + equipment.getEQNum()+ ",'" + equipment.getEQName()+ "','" +
equipment.getEQCondition()+ "','" + equipment.getOffice().OfficeNum()+"')";
                    myStmt.executeUpdate(qry);
                    myStmt.close();
                    JOptionPane.showMessageDialog(null,"Added successfully!");
                    break;
                }else{
                    JOptionPane.showMessageDialog(null, "Full");
                    break;}
            case 1:
                if (countFac <= 4){                                //Checks and adds equipment to the table if the number of equipments in Faculty office
is less than 5
                    String qry="INSERT INTO eq_table VALUES(" + equipment.getEQNum()+ ",'" + equipment.getEQName()+ "','" +
equipment.getEQCondition()+ "','" + equipment.getOffice().OfficeNum()+"')";
                    myStmt.executeUpdate(qry);
                    myStmt.close();
                    JOptionPane.showMessageDialog(null,"Added successfully!");
                    break;
                }else{
                    JOptionPane.showMessageDialog(null, "Full");
                    break;}
            case 2:
                if (countSun <= 4){                                //Checks and adds equipment to the table if the number of equipments in Sun&Moon
office is less than 5
                    String qry="INSERT INTO eq_table VALUES(" + equipment.getEQNum()+ ",'" + equipment.getEQName()+ "','" +
equipment.getEQCondition()+ "','" + equipment.getOffice().OfficeNum()+"')";
                    myStmt.executeUpdate(qry);
                    myStmt.close();
                    JOptionPane.showMessageDialog(null,"Added successfully!");
                    break;
                }else{
                    JOptionPane.showMessageDialog(null, "Full");                    //Inform user that the office is already full and cannot take in more
equipment
                    break;}
            default:
                JOptionPane.showMessageDialog(null, "Full");
                break;

        }


        }
        catch(SQLException se)
        {
        String msg="Cannot add. Equipment" + equipment.getEQNum()+ " already exists!"; //Inform user that the equipment is already in the
table
        JOptionPane.showMessageDialog(null,msg);
        }
  }

  //Update Query
  public void EditRow(Equipment equipment, int oldEQnum)
  {
    getConnection();
    try{
        myStmt=myConn.createStatement();                                //Initialize Query Statement
                                        //Updates the selected record in the table
        String qry="UPDATE eq_table SET eq_ID = " + equipment.getEQNum()+ ", eq_Name = '" + equipment.getEQName()+ "' , eq_Condition = '"
+ equipment.getEQCondition()+ "' , Office = '" + equipment.getOffice().OfficeNum()+ "' WHERE eq_ID = " + oldEQnum;
```

```java
                myStmt.executeUpdate(qry);
                myStmt.close();
                JOptionPane.showMessageDialog(null,"Updated successfully!");          //Informs user that the record has been updated
            }
                catch(SQLException se)
                {
            System.out.println(se.getMessage());
                }
    }

    //Delete Query
    public void DeleteRow(int oldEQnum)
    {
       getConnection();
       try{
            myStmt=myConn.createStatement();                            //Initialize Query Statement
            String qry="DELETE FROM eq_table WHERE eq_ID = " + oldEQnum;         //Deletes the selected record from the table
            myStmt.executeUpdate(qry);
            myStmt.close();
            JOptionPane.showMessageDialog(null,"Deleted successfully!");          //Informs user that the record has been deleted from the table
            }
                catch(SQLException se)
                {
            System.out.println(se.getMessage());
                }
    }

    //Get all records from table
    public ArrayList<Equipment> ShowRec()
    {
       ArrayList<Equipment> equipment=new ArrayList<Equipment>();              //Create equipment arraylist

       getConnection();
       try{
            myStmt=myConn.createStatement();                            //Initialize Query Statement
            String query = "SELECT * FROM eq_table";                       //Selects all records from table
                ResultSet rs = myStmt.executeQuery(query);

                while(rs.next())
        {
            officeFactory = new OFactoryChoices();                  //Factory pattern to create office object
            office=officeFactory.returnOffice(rs.getInt("Office"));
            equipment.add(new Equipment(rs.getInt("eq_ID"),rs.getString("eq_Name"),rs.getString("eq_Condition"), office)); //Add equipment
object to arraylist
        }
            rs.close();
                myStmt.close();
       }
            catch(SQLException sex)
            {
        System.out.println(sex.getMessage());
            }
       return equipment;
    }
    //Get all equipment from table that needs to be purchased
    public ArrayList<Equipment> ShowPur()
    {
       //Declarations
       String lost = "Lost";
       String rep = "For Replacement";
       IOffice office;
       OfficeFactory officeFactory;
       ArrayList<Equipment> equipment=new ArrayList<Equipment>();

       getConnection();
       try{
```

```
        myStmt=myConn.createStatement();
        String query = "SELECT * FROM eq_table where eq_Condition  = '" + lost +"' or eq_Condition = '" + rep +"'"; //Selects all equipment
records from table whose condition is lost or for replacement
                ResultSet rs = myStmt.executeQuery(query);

                while(rs.next())
        {
            officeFactory = new OFactoryChoices();                     //Factory pattern to create office object
            office=officeFactory.returnOffice(rs.getInt("Office"));
            equipment.add(new Equipment(rs.getInt("eq_ID"),rs.getString("eq_Name"),rs.getString("eq_Condition"), office)); //Add equioment
object to arraylist
        }
        rs.close();
                myStmt.close();
    }
            catch(SQLException sex)
            {
        System.out.println(sex.getMessage());
            }
        return equipment;
    }


}
----------MySqlClass------------------------------------------------------------------------------------------------------------------------------------------------

----------Deans------------------------------------------------------------------------------------------------------------------------------------------------------
package MyLibs.MyOffices;

import MyLibs.Equipment;

public class Deans implements IOffice{
    private Equipment[] equipments; //the equipment list for this specific office

    @Override
    //hardcodes the following to the IOffice object named "Deans"
    public int OfficeNum() {
        return 1;
    }

    @Override
    public String OfficeName() {
        return "Dean's";
    }

    @Override
    public Equipment[] EquipmentList() {
        return equipments;
    }
}
----------Deans------------------------------------------------------------------------------------------------------------------------------------------------------

----------Faculty----------------------------------------------------------------------------------------------------------------------------------------------------
package MyLibs.MyOffices;

import MyLibs.Equipment;
import MyLibs.MyOffices.IOffice;

public class Faculty implements IOffice{
    private Equipment[] equipments;      //the equipment list for this specific office

    @Override
    //hardcodes the following to the IOffice object named "Faculty"
    public int OfficeNum() {
        return 0;
    }
```

```java
  @Override
  public String OfficeName() {
    return "Faculty";
  }

  @Override
  public Equipment[] EquipmentList() {
    return equipments;
  }
}
```
----------Faculty--

----------IOffice--
```java
package MyLibs.MyOffices;


import MyLibs.Equipment;

//Interface implemented by the 3 offices
public interface IOffice {
  int OfficeNum();
  String OfficeName();
  Equipment[] EquipmentList();
}
```

----------OFactoryChoices--
```java
package MyLibs.MyOffices;

//Extends OfficeFactory and creates office object to be returned
public class OFactoryChoices extends OfficeFactory{
  private IOffice office;

  @Override
  protected IOffice createOffice(int objectRequest) {
    switch (objectRequest) {
      case 0:
        office = new Deans();   //create Dean's office object
        break;
      case 1:
        office = new Faculty(); //create Faculty office object
        break;
      case 2:
        office = new SunMoon(); //Create SunMoon office object
        break;
      default:
        break;
    }

    return office;
  }

}
```
----------OFactoryChoices--

----------Office---
```java
package MyLibs.MyOffices;

import MyLibs.Equipment;

//definition of office object
public class Office {
  private int officeNum;
  private String officeName;
  private Equipment equipmentlist[];
```

```java
  public Office(int officeNum, String officeName, Equipment[] equipmentlist) {
     this.officeNum = officeNum;
     this.officeName = officeName;
     this.equipmentlist = equipmentlist;
  }
  //method to get Office number
  public int getOfficeNum() {
     return officeNum;
  }
  //method to get name of Office
  public String getOfficeName() {
     return officeName;
  }
  //method to get equipment list
  public Equipment[] getEquipmentlist() {
     return equipmentlist;
  }


}
```
----------Office---

----------OfficeFactory---
```java
package MyLibs.MyOffices;

//Abstract factory that has method to create office
public abstract class OfficeFactory{

   protected abstract IOffice createOffice(int objectRequest);

   public IOffice returnOffice(int object){
      IOffice office=createOffice(object);
      return office;
   }
}
```
----------OfficeFactory---

----------SunMoon---
```java
package MyLibs.MyOffices;

import MyLibs.Equipment;


public class SunMoon implements IOffice{
   private Equipment[] equipments; //the equipment list for this specific office

   @Override
   //hardcodes the following to the IOffice object named "SunMoon"
   public int OfficeNum() {
       return 2;
   }

   @Override
   public String OfficeName() {
      return "Sun&Moon";
   }

   @Override
   public Equipment[] EquipmentList() {
      return equipments;
   }
}
```
----------SunMoon---