

```

UiMain.java Login Member
/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change
 * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template
 */
package com.mycompany.examtest;

/**
 *
 * @author Admins
 */
public class UiMain extends javax.swing.JFrame {

    private static final java.util.logging.Logger logger = java.util.logging.Logger.getLogger(UiMain.class.getName());
    private FrameLogin login = null;

    /**
     * Creates new form UiMain
     */
    public UiMain() {
        initComponents();
        jMenuBar1.setVisible(false);
        ShowMenu();
    }

    @SuppressWarnings("unchecked")
    // Generated Code

    private void jMenuItem3ActionPerformed(java.awt.event.ActionEvent evt) {
        NewMemberSpy newMember = new NewMemberSpy();
        jDesktopPane1.add(newMember);
        newMember.setVisible(true);
    }

    private void jMenuItem4ActionPerformed(java.awt.event.ActionEvent evt) {
        MemberListSpy memberList = new MemberListSpy();
        jDesktopPane1.add(memberList);
        memberList.setVisible(true);
    }

    private void jMenuItem1ActionPerformed(java.awt.event.ActionEvent evt) {
        getContentPane().removeAll(); // ลากทุกอย่างในหน้าจอ
        repaint(); // รีเฟรชหน้าจอให้ว่าง
        showLoginDialog();
    }

    private void jMenuItem2ActionPerformed(java.awt.event.ActionEvent evt) {
        System.exit(0);
    }

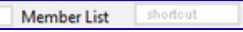
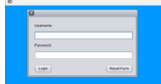
    private void showLoginDialog() {
        new UiMain().setVisible(true); // หรือใช้ Dialog ที่เขียนไว้
        this.dispose(); // ปิดหน้าต่างปัจจุบัน (ทางเลือกแบบง่ายสุด คือ ปิดแล้วเปิดใหม่)
    }

    /**
     * @param args the command line arguments
     */
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        Look and feel setting code (optional)

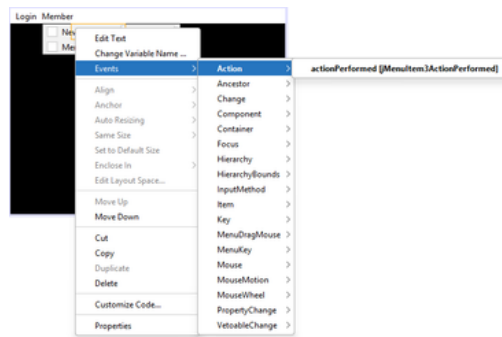
        /* Create and display the form */
        java.awt.EventQueue.invokeLater(() -> new UiMain().setVisible(true));
    }
}

```

ยังไม่แสดง MenuBar จนกว่าจะกดปุ่ม Login แล้วล่ะ



สร้างหน้าต่าง UiMain



private void ShowMenu() { Desktop Pane

if(login == null){ ถ้าไม่มี Login ให้สร้างใหม่

login = new FrameLogin(new LoginSpy());

@Override การดูแลหน้าของ Login

public void LoginValue(boolean pPass)

{

if(pPass == true) เมื่อกด Login

{

jMenuBar1.setVisible(true);

jDesktopPane1.removeAll();

}

} Login แล้ว ตรวจสอบค่า ว่าถูกไหม ถ้าถูก

ลบทุกอย่างของ JDesktop และ ให้มีจอหน้า

jDesktopPane1.add(login); Login Member

}

login.setVisible(true);

}

}



LoginSpy.java Java Interface...

package com.mycompany.examtest;

/**

*

*/

* @author Admins

*/

public interface LoginSpy {

void LoginValue(boolean pPass);

} สร้าง LoginSpy เก็บ ค่า pPass true = Login

True False pPass False = Fail

```

FrameLogin.java JInternalFrame Form...
/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change
 * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit
 */
package com.mycompany.examtest;

/**
 *
 * @author Admins
 */
public class FrameLogin extends javax.swing.JInternalFrame {
    private LoginSpy spy;

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

    public FrameLogin(LoginSpy spy) {
        initComponents();
        this.spy = spy;
    }

    @SuppressWarnings("unchecked")
    // Generated Code

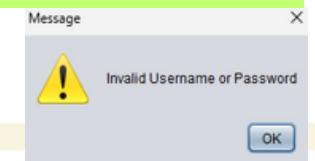
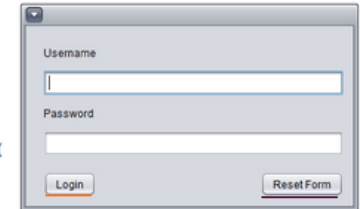
    private void usernameActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
        String user = username.getText();
        String pass = password.getText();
        String pass = new String(password.getPassword());
        Password Field

        if (user.equals("admin") && pass.equals("1234")) {
            if (spy != null) {
                spy.LoginValue(true);
                Message
                Invalid Username or Password
                this.dispose(); ปิดหน้าต่าง
            }
        } else {
            javax.swing.JOptionPane.showMessageDialog(this,
                "Invalid Username or Password",
                "Message",
                javax.swing.JOptionPane.WARNING_MESSAGE);
        }
    }

    private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
        username.setText("");
        password.setText("");
        Reset Form
        ทำให้ ตัวแปร เป็น ค่าว่าง
    }
}

```



NewMemberSpy.java (มี Reload)

```
/*
 * Click nbhs://host/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
 * Click nbhs://host/SystemFileSystem/Templates/GUIForms/InternalFrame.java to edit this template
 */

package com.mycompany.examtst;

import javax.swing.*;

/**
 *
 * @author Admins
 */
public class NewMemberSpy extends javax.swing.JInternalFrame {

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

    /**
     * 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")
    // 
    private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
        String id = memberId.getText().trim();
        String fName = firstName.getText().trim();
        String lName = lastName.getText().trim();
        String mClass = memberClass.getText().trim();
        String Email = email.getText().trim();
        String Phone = phone.getText().trim();

        if (id.isEmpty() || fName.isEmpty() || lName.isEmpty() || mClass.isEmpty() || Email.isEmpty() || Phone.isEmpty()) {
            JOptionPane.showMessageDialog(this, "Please fill in the information in the table completely.", "Message", JOptionPane.WARNING_MESSAGE);
            return;
        }

        if (mClass.equals("First") && mClass.equals("Business") && mClass.equals("Economy")) {
            JOptionPane.showMessageDialog(this, "Invalid Member Class ( Member Class First, BusinessEconomy )", "Message", JOptionPane.WARNING_MESSAGE);
            return;
        }

        if (MemberListSpy.model != null) {
            String[] rowData = {id, fName, lName, mClass, Email, Phone};
            MemberListSpy.dataStore.addRow(rowData);

            // Save ไฟล์
            String filePath = "UserData.bin";

            try {
                java.io.FileOutputStream file = new java.io.FileOutputStream(filePath);
                java.io.ObjectOutputStream writer = new java.io.ObjectOutputStream(file);

                // บันทึกข้อมูล dataStore ลงในไฟล์
                writer.writeObject(MemberListSpy.dataStore);

                writer.close(); // ปิดการเชื่อมต่อข้อมูล ไฟล์
                file.close();
            } catch (Exception ex) {
                System.err.println("Failed to write " + filePath + " : " + ex);
                JOptionPane.showMessageDialog(this, "Error Saving File: " + ex.getMessage());
            }
        }
    }
}
```

Generated Code

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

String id = memberId.getText().trim();
String fName = firstName.getText().trim();
String lName = lastName.getText().trim();
String mClass = memberClass.getText().trim();
String Email = email.getText().trim();
String Phone = phone.getText().trim();

if (id.isEmpty() || fName.isEmpty() || lName.isEmpty() || mClass.isEmpty() || Email.isEmpty() || Phone.isEmpty()) {
mClass.isEmpty() || Email.isEmpty() || Phone.isEmpty() {

JOptionPane.showMessageDialog(this, "Please fill in the information in the table completely.", "Message", JOptionPane.WARNING_MESSAGE);
return;

if (mClass.equals("First") && mClass.equals("Business") && mClass.equals("Economy")) {
JOptionPane.showMessageDialog(this, "Invalid Member Class (Member Class First, BusinessEconomy)", "Message", JOptionPane.WARNING_MESSAGE);
return;

if (MemberListSpy.model != null) {
String[] rowData = {id, fName, lName, mClass, Email, Phone};
MemberListSpy.dataStore.addRow(rowData);

// Save ไฟล์
String filePath = "UserData.bin";
try {
java.io.FileOutputStream file = new java.io.FileOutputStream(filePath);
java.io.ObjectOutputStream writer = new java.io.ObjectOutputStream(file);

// บันทึกข้อมูล dataStore ลงในไฟล์
writer.writeObject(MemberListSpy.dataStore);
writer.close(); // ปิดการเชื่อมต่อข้อมูล ไฟล์
file.close();

```
catch(Exception ex) {
    System.err.println("Failed to write " + filePath + " : " + ex);
    JOptionPane.showMessageDialog(this, "Error Saving File: " + ex.getMessage());
}

memberid.setText("");
firstName.setText("");
lastName.setText("");
memberClass.setText("");
email.setText("");
phone.setText("");

JOptionPane.showMessageDialog(this, "Save Complete !");

} else {
    JOptionPane.showMessageDialog(this, "Error Save Member List ");
}

// Variables declaration - do not modify
private javax.swing.JTextField email;
private javax.swing.JTextField firstName;
private javax.swing.JButton jButton1;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JTextField lastName;
private javax.swing.JTextField memberClass;
private javax.swing.JTextField memberId;
private javax.swing.JTextField phone;
```

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

// Variables declaration - do not modify
private javax.swing.JTextField email;
private javax.swing.JTextField firstName;
private javax.swing.JButton jButton1;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JTextField lastName;
private javax.swing.JTextField memberClass;
private javax.swing.JTextField memberId;
private javax.swing.JTextField phone;

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

// Variables declaration - do not modify
private javax.swing.JTextField email;
private javax.swing.JTextField firstName;
private javax.swing.JButton jButton1;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JTextField lastName;
private javax.swing.JTextField memberClass;
private javax.swing.JTextField memberId;
private javax.swing.JTextField phone;

// End of variables declaration
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
dispose();

// Variables declaration - do not modify
private javax.swing.JTextField email;
private javax.swing.JTextField firstName;
private javax.swing.JButton jButton1;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JTextField lastName;
private javax.swing.JTextField memberClass;
private javax.swing.JTextField memberId;
private javax.swing.JTextField phone;

// End of variables declaration
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
dispose();

// Variables declaration - do not modify
private javax.swing.JTextField email;
private javax.swing.JTextField firstName;
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private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JTextField lastName;
private javax.swing.JTextField memberClass;
private javax.swing.JTextField memberId;
private javax.swing.JTextField phone;

// End of variables declaration
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
dispose();

// Variables declaration - do not modify
private javax.swing.JTextField email;
private javax.swing.JTextField firstName;
private javax.swing.JButton jButton1;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JTextField lastName;
private javax.swing.JTextField memberClass;
private javax.swing.JTextField memberId;
private javax.swing.JTextField phone;

// End of variables declaration
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
dispose();

// Variables declaration - do not modify
private javax.swing.JTextField email;
private javax.swing.JTextField firstName;
private javax.swing.JButton jButton1;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JTextField lastName;
private javax.swing.JTextField memberClass;
private javax.swing.JTextField memberId;
private javax.swing.JTextField phone;

// End of variables declaration
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
dispose();

// Variables declaration - do not modify
private javax.swing.JTextField email;
private javax.swing.JTextField firstName;
private javax.swing.JButton jButton1;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JTextField lastName;
private javax.swing.JTextField memberClass;
private javax.swing.JTextField memberId;
private javax.swing.JTextField phone;

// End of variables declaration
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
dispose();

```
InternalFrame Form...
MemberListSpy.java

/*
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 * Click nbhs://host/SystemFileSystem/Templates/GUIForms/InternalFrame.java to edit this template
 */

package com.mycompany.examtst;

import javax.swing.*;

/**
 *
 * @author Admins
 */
public class MemberListSpy extends javax.swing.JInternalFrame {

    public static java.util.ArrayList<String> dataStore = new java.util.ArrayList<>();
    public static javax.swing.table.DefaultTableModel model;

    public MemberListSpy() {
        initComponents();
        model = (javax.swing.table.DefaultTableModel) jTable1.getModel();
    }

    /**
     * Creates new form MemberListSpy
     * WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
     */
    // 
    private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
        String filePath = "UserData.bin";
        java.io.File f = new java.io.File(filePath);
        if (!f.exists()) {
            JOptionPane.showMessageDialog(this, "ไม่พบไฟล์ข้อมูล (UserData.bin)", "Warning", JOptionPane.WARNING_MESSAGE);
            return;
        }

        // 2. เปิดไฟล์อ่านข้อมูล
        java.io.FileInputStream fileIn = new java.io.FileInputStream(filePath);
        java.io.ObjectInputStream objectIn = new java.io.ObjectInputStream(fileIn);

        // 3. อ่าน Object ออกมาและแปลงเป็น Array List
        // แล้ว Cast ให้ตรงกันก่อน Save (ArrayList<String>)
        Object obj = objectIn.readObject();
        java.util.ArrayList<String> loadedList = (java.util.ArrayList<String>) obj;

        // 4. อัปเดตข้อมูล dataStore ให้ตรงกับไฟล์ (ถ้าข้อมูล ไม่มีข้อมูลจะไม่มีข้อมูล)
        dataStore = loadedList;

        // 5. ทำตารางจากข้อมูลในไฟล์
        model.setRowCount(0);
        for (String[] row : dataStore) {
            model.addRow(row);
        }

        // ปิดการเชื่อมต่อไฟล์
        objectIn.close();
        fileIn.close();

        // JOptionPane.showMessageDialog(this, "โหลดข้อมูลเรียบร้อยแล้ว");
    } catch (Exception ex) {
        System.err.println("Error loading file: " + ex);
        JOptionPane.showMessageDialog(this, "เกิดข้อผิดพลาดในการโหลดไฟล์: " + ex.getMessage());
    }
}
```

Generated Code

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
String filePath = "UserData.bin";
java.io.File f = new java.io.File(filePath);
if (!f.exists()) {
JOptionPane.showMessageDialog(this, "ไม่พบไฟล์ข้อมูล (UserData.bin)", "Warning", JOptionPane.WARNING_MESSAGE);
return;

// 2. เปิดไฟล์อ่านข้อมูล
java.io.FileInputStream fileIn = new java.io.FileInputStream(filePath);
java.io.ObjectInputStream objectIn = new java.io.ObjectInputStream(fileIn);

// 3. อ่าน Object ออกมาและแปลงเป็น Array List
// แล้ว Cast ให้ตรงกันก่อน Save (ArrayList<String>)
Object obj = objectIn.readObject();
java.util.ArrayList<String> loadedList = (java.util.ArrayList<String>) obj;

// 4. อัปเดตข้อมูล dataStore ให้ตรงกับไฟล์ (ถ้าข้อมูล ไม่มีข้อมูลจะไม่มีข้อมูล)
dataStore = loadedList;

// 5. ทำตารางจากข้อมูลในไฟล์
model.setRowCount(0);
for (String[] row : dataStore) {
model.addRow(row);
}

// ปิดการเชื่อมต่อไฟล์
objectIn.close();
fileIn.close();

// JOptionPane.showMessageDialog(this, "โหลดข้อมูลเรียบร้อยแล้ว");
} catch (Exception ex) {
System.err.println("Error loading file: " + ex);
JOptionPane.showMessageDialog(this, "เกิดข้อผิดพลาดในการโหลดไฟล์: " + ex.getMessage());
}

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
String filePath = "UserData.bin";
java.io.File f = new java.io.File(filePath);
if (!f.exists()) {
JOptionPane.showMessageDialog(this, "ไม่พบไฟล์ข้อมูล (UserData.bin)", "Warning", JOptionPane.WARNING_MESSAGE);
return;

// 2. เปิดไฟล์อ่านข้อมูล
java.io.FileInputStream fileIn = new java.io.FileInputStream(filePath);
java.io.ObjectInputStream objectIn = new java.io.ObjectInputStream(fileIn);

// 3. อ่าน Object ออกมาและแปลงเป็น Array List
// แล้ว Cast ให้ตรงกันก่อน Save (ArrayList<String>)
Object obj = objectIn.readObject();
java.util.ArrayList<String> loadedList = (java.util.ArrayList<String>) obj;

// 4. อัปเดตข้อมูล dataStore ให้ตรงกับไฟล์ (ถ้าข้อมูล ไม่มีข้อมูลจะไม่มีข้อมูล)
dataStore = loadedList;

```
InternalFrame Form...
NewMemberSpy.java (ไม่มี Reload)

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

    String id = memberId.getText().trim();
    String fName = firstName.getText().trim();
    String lName = lastName.getText().trim();
    String mClass = memberClass.getText().trim();
    String Email = email.getText().trim();
    String Phone = phone.getText().trim();

    if (id.isEmpty() || fName.isEmpty() || lName.isEmpty() || mClass.isEmpty() || Email.isEmpty() || Phone.isEmpty()) {
        JOptionPane.showMessageDialog(this, "Please fill in the information in the table completely.", "Message", JOptionPane.WARNING_MESSAGE);
        return;
    }

    if (mClass.equals("First") && mClass.equals("Business") && mClass.equals("Economy")) {
        JOptionPane.showMessageDialog(this, "Invalid Member Class ( Member Class First, BusinessEconomy )", "Message", JOptionPane.WARNING_MESSAGE);
        return;
    }

    if (MemberListSpy.model != null) {
        String[] rowData = {id, fName, lName, mClass, Email, Phone};
        MemberListSpy.dataStore.addRow(rowData);

        // Save ไฟล์
        String filePath = "UserData.bin";

        try {
            java.io.FileOutputStream file = new java.io.FileOutputStream(filePath);
            java.io.ObjectOutputStream writer = new java.io.ObjectOutputStream(file);

            // บันทึกข้อมูล dataStore ลงในไฟล์
            writer.writeObject(MemberListSpy.dataStore);

            writer.close(); // ปิดการเชื่อมต่อข้อมูล ไฟล์
            file.close();
        } catch (Exception ex) {
            System.err.println("Failed to write " + filePath + " : " + ex);
            JOptionPane.showMessageDialog(this, "Error Saving File: " + ex.getMessage());
        }
    }
}
```

Generated Code

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
String id = memberId.getText().trim();
String fName = firstName.getText().trim();
String lName = lastName.getText().trim();
String mClass = memberClass.getText().trim();
String Email = email.getText().trim();
String Phone = phone.getText().trim();

if (id.isEmpty() || fName.isEmpty() || lName.isEmpty() || mClass.isEmpty() || Email.isEmpty() || Phone.isEmpty()) {
JOptionPane.showMessageDialog(this, "Please fill in the information in the table completely.", "Message", JOptionPane.WARNING_MESSAGE);
return;

if (mClass.equals("First") && mClass.equals("Business") && mClass.equals("Economy")) {
JOptionPane.showMessageDialog(this, "Invalid Member Class (Member Class First, BusinessEconomy)", "Message", JOptionPane.WARNING_MESSAGE);
return;

if (MemberListSpy.model != null) {
String[] rowData = {id, fName, lName, mClass, Email, Phone};
MemberListSpy.dataStore.addRow(rowData);

// Save ไฟล์
String filePath = "UserData.bin";
try {
java.io.FileOutputStream file = new java.io.FileOutputStream(filePath);
java.io.ObjectOutputStream writer = new java.io.ObjectOutputStream(file);

// บันทึกข้อมูล dataStore ลงในไฟล์
writer.writeObject(MemberListSpy.dataStore);
writer.close(); // ปิดการเชื่อมต่อข้อมูล ไฟล์
file.close();

catch (Exception ex) {
System.err.println("Failed to write " + filePath + " : " + ex);
JOptionPane.showMessageDialog(this, "Error Saving File: " + ex.getMessage());
}

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
String id = memberId.getText().trim();
String fName = firstName.getText().trim();
String lName = lastName.getText().trim();
String mClass = memberClass.getText().trim();
String Email = email.getText().trim();
String Phone = phone.getText().trim();

if (id.isEmpty() || fName.isEmpty() || lName.isEmpty() || mClass.isEmpty() || Email.isEmpty() || Phone.isEmpty()) {
JOptionPane.showMessageDialog(this, "Please fill in the information in the table completely.", "Message", JOptionPane.WARNING_MESSAGE);
return;

บันทึกข้อมูลลง Array

Count = 0
Row = 0

รับข้อมูลและบันทึกลงตาราง

```
public class MemberListSpy extends javax.swing.JInternalFrame {
    public static java.util.ArrayList<String> dataStore = new java.util.ArrayList<>();
    public MemberListSpy() {
        initComponents();
        model = (javax.swing.table.DefaultTableModel) jTable1.getModel();
    }
}
```

สร้างตาราง

How to save image

