**Add Customer**

import java.awt.BorderLayout;

import java.awt.GridLayout;

import java.awt.event.ActionEvent;

import java.awt.event.ActionListener;

import javax.swing.\*;

@SuppressWarnings("serial")

public class AddCustomerGUI extends JFrame {

private JPanel custInfo = new JPanel();

private JPanel buttons = new JPanel();

private JButton add = new JButton("Add Customer");

private JButton main = new JButton("Return to Main Menu");

private JLabel custID;

private JLabel fName;

private JLabel lName;

private JLabel telNumber;

private JLabel dateOfBirth;

private JLabel insProvider;

private JLabel polNumber;

private JTextField custIDText;

private JTextField fNameText;

private JTextField lNameText;

private JTextField telNumberText;

private JTextField dateOfBirthText;

private JTextField insProviderText;

private JTextField polNumberText;

private GUIController control;

public AddCustomerGUI() {

super("Add Customer");

createLabels();

createTextFields();

createButtons();

createPanels();

add(custInfo, BorderLayout.NORTH);

add(buttons, BorderLayout.SOUTH);

setSize(300, 300);

setUndecorated(true);

}

//Initializing the GUI to Add Customers

public AddCustomerGUI(GUIController gc) {

this();

control = gc;

}

//The above code retrieves information from the GUI Controller

private void createLabels() {

custID = new JLabel("Customer ID:");

fName = new JLabel("First Name:");

lName = new JLabel("Last Name:");

telNumber = new JLabel("Telephone Number:");

dateOfBirth = new JLabel("Date of Birth:");

insProvider = new JLabel("Insurance Provider:");

polNumber = new JLabel("Policy #:");

}

//The above code is Formatting the Labels for the GUI, labeling the fields.

private void createTextFields() {

custIDText = new JTextField();

fNameText = new JTextField();

lNameText = new JTextField();

telNumberText = new JTextField();

dateOfBirthText = new JTextField();

insProviderText = new JTextField();

polNumberText = new JTextField();

}

//The above code is formatting the variable text fields for input of data

private void createButtons() {

add.addActionListener(new ActionListener() {

@Override

public void actionPerformed(ActionEvent ae) {

if (custIDText.getText().equals("")

| fNameText.getText().equals("")

| lNameText.getText().equals("")

| telNumberText.getText().equals("")

| dateOfBirthText.getText().equals("")

| insProviderText.getText().equals("")

| polNumberText.getText().equals("")) {

JOptionPane.showMessageDialog(null,

"Invalid Customer Add, Please Try Again");

clearForm();

} else {

control.addCustomers(custIDText.getText(),

lNameText.getText(), fNameText.getText(),

telNumberText.getText(), dateOfBirthText.getText(),

insProviderText.getText(), polNumberText.getText());

control.saveCustomers();

control.setAddRun(false);

control.setMainRun(true);

clearForm();

}

}

});

//The IF STATEMENT is to check for missing data, all fields need to be filled out.

// The above code is the failsafe check, if data is missing then an error will be

//returned, data will NOT be saved, and the user must start over

// Adds the exit button's actionListener

main.addActionListener(new ActionListener() {

@Override

public void actionPerformed(ActionEvent ae) {

control.saveCustomers();

control.setAddRun(false);

control.setMainRun(true);

clearForm();

}

}); // Adds the exit button's actionListener

}

private void createPanels() {

custInfo.setLayout(new GridLayout(7, 1, 0, 0));

custInfo.add(custID);

custInfo.add(custIDText);

custInfo.add(fName);

custInfo.add(fNameText);

custInfo.add(lName);

custInfo.add(lNameText);

custInfo.add(telNumber);

custInfo.add(telNumberText);

custInfo.add(dateOfBirth);

custInfo.add(dateOfBirthText);

custInfo.add(insProvider);

custInfo.add(insProviderText);

custInfo.add(polNumber);

custInfo.add(polNumberText);

buttons.add(add);

buttons.add(main);

}

//The above code adds the variables to both the Customer and Customers Classes.

//Customer is the current customer information being entered into the system.

//Customers is the customer’s history, which is initialized on first entry.

private void clearForm() {

custIDText.setText("");

fNameText.setText("");

lNameText.setText("");

telNumberText.setText("");

dateOfBirthText.setText("");

insProviderText.setText("");

polNumberText.setText("");

}

}

//The above code resets all variables of the customer table back to their default values