**Search Cust GUI**

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 SearchCustGUI extends JFrame

{

private JLabel searchFirst = new JLabel();

private JLabel searchLast = new JLabel();

private JPanel searchCust = new JPanel();

private JTextField fNameText;

private JTextField lNameText;

private JPanel buttons = new JPanel();

private JButton submit = new JButton("Submit Search Query");

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

private GUIController control;

The above code is formatting the GUI to do a query, looking for any hits that would fit the criteria filled out on the GUI.

public SearchCustGUI()

{

createLabels();

createTextFields();

createButtons();

createPanels();

add(searchCust,BorderLayout.CENTER);

add(buttons,BorderLayout.SOUTH);

setSize(300,300);

setUndecorated(true);

}

public SearchCustGUI(GUIController c)

{

this();

control = c;

}

The above code retrieves information from the GUI Controller.

private void createLabels()

{

searchFirst.setText("Customer First Name");

searchLast.setText("Customer Last Name");

}

private void createTextFields()

{

fNameText= new JTextField();

lNameText= new JTextField();

}

private void createButtons()

{

submit.addActionListener(

new ActionListener()

{

@Override

public void actionPerformed(ActionEvent ae)

{

if((control.getCustomers().contains(lNameText.getText(),fNameText.getText())==true &&(control.getCustomers().getCustomer(lNameText.getText(),fNameText.getText())!=null)))

The IF STATEMENT is to check for missing data, all fields need to be filled out and not NUll. 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.

{

control.setSearchCustRun(false);

Customer c = control.getCustomers().getCustomer(lNameText.getText(),fNameText.getText());

control.setViewRun(true,c);

lNameText.setText("");

fNameText.setText("");

}

else

{

JOptionPane.showMessageDialog(null, "Customer Not Found, Please Try Again");

lNameText.setText("");

fNameText.setText("");

}

}

});

The above code adds the exit button's actionListener

main.addActionListener(

new ActionListener()

{

@Override

public void actionPerformed(ActionEvent ae)

{

lNameText.setText("");

fNameText.setText("");

control.setSearchCustRun(false);

control.setMainRun(true);

}

});

The above code adds the exit button's actionListener.

}

private void createPanels()

{

searchCust.setLayout(new GridLayout(2,2));

// searchCust.setLayout(new GridLayout(2,2,0,0));

searchCust.add(searchLast);

searchCust.add(lNameText);

searchCust.add(searchFirst);

searchCust.add(fNameText);

buttons.setLayout(new GridLayout(1,2,0,0));

buttons.add(submit);

buttons.add(main);

}

}