CMPE 496 | HW2

Description

It is an object-oriented implementation of the 2 dialog boxes of a department store that are described at the handouts.

Implementation Details

For this project, I preferred to use Java GUI. I created a class called *FirstEditor.java*, in which the main method and the constructor of the first dialog box (the bigger one) exists. For the second dialog box (the smaller one), I created another class called *SecondEditor.java*, in which the constructor of the second dialog box exists. For triggering invoice, I created another class called *Bill.java*, in which the constructor of the additional dialog box for bills exists. For the products that are in bill, I created another class called *Product.java*.

In the window editor of the first dialog box, I used a big *JPanel* object, which has a *TitledBorder* with title "Purchaser". Inside the panel, I used 5 JPanel objects for the 5 rows in the panel. I used FlowLayout in all these panels (with left-aligned option). For each field inside rows, I used JLabel – JtextField pairs.

Under the big panel, I created another *JPanel* object, which has a *TitledBorder* with title "Catalog Item". For the row inside the panel, I used a *JPanel*. For the fields inside this row, I used *JLabel – JTextField* pairs.

For balance field, I created another JPanel object, in which the related JLabel and JTextField objects exist.

I used two JButtons for the two buttons in the dialog.

In the window editor of the second dialog box, I used a big *JPanel* object, which has a *TitledBorder* with title "Catalog Item". For the row inside the panel, I used a *JPanel*. For the fields inside this row, I used *JLabel – JTextField* pairs. I used two JButtons for the two buttons in the dialog, as in the first dialog box.

In the window editor of the additional dialog box for bills, there exists a *JPanel* on the left, in which the information of the purchaser is written (which is given by the user in the first dialog box). I used *JLabel* objects for showing the information on this panel. On the right, there exists a *JTextArea* for the list of products that are given by the user in the first or second dialog box. Each product that is added by the user is listed in this area. (User adds products by entering the information for each product in the "catalog item" panel.)

For the product objects, I created a class called *Product.java*. Each product has fields called number, cost, total and quantity.

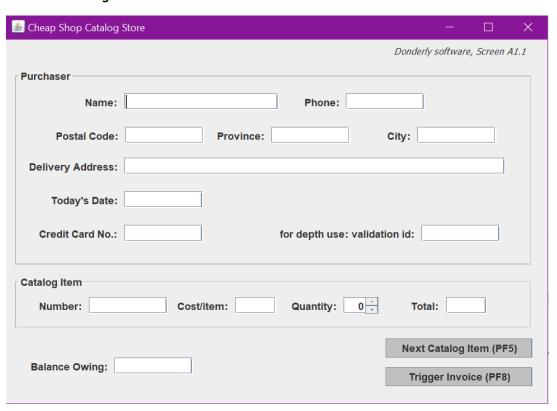
User Scenario

The program opens with the first dialog (the bigger one). User writes her information to the "Purchaser" panel, then she writes the item information that she wants to purchase, finally she writes her balance information. If she clicks on the "Triggering Invoice" button, the additional dialog box opens for the bill, in which her information and the product information exist. If she clicks on the "Next Catalog Item" button, the second dialog box (the smaller one) opens for user to write another product information. She can add more and more products by clicking on the "Next Catalog Item" button, any

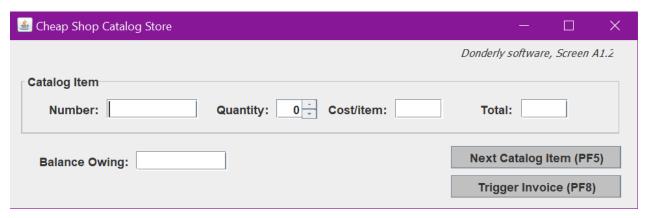
time she clicks on this button, the product is saved and the input area is cleaned for a new product. After she adds the products and clicks on the "Triggering Invoice" button, the additional dialog box for the bill opens with her information, her list of products and the balance left after buying products.

Screenshots of the Program

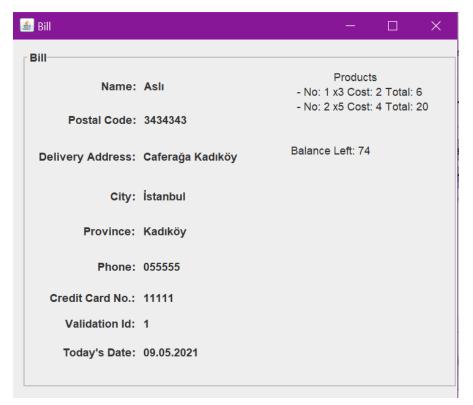
The Initial Dialog Box



The Second Dialog Box



The Additional Dialog Box For Bill



Code

Product.java

```
public class Product {
   int number; // catalog number of product
   int quantity; // quantity of product
   int cost; // cost of product
   int total; // total cost of product

// constructor for Product object
Product(int number, int quantity, int cost, int total) {
     this.number = number;
     this.cost = cost;
     this.quantity = quantity;
     this.total = total;
}
```

Bill.java

```
...
 import javax.swing.JFrame;
import javax.swing.JPanel;
import javax.swing.JPanel;
import javax.swing.JTextArea;
import javax.swing.border.TitledBorder;
import javax.swing.border.LineBorder;
import java.awt.Color;
import java.awt.FlowLayout;
import java.awt.HrowLayout;
import javax.swing.Jlabel;
import javax.swing.SwingConstants;
import javax.swing.SwingConstants;
import javax.swing.border.EmptyBorder;
 public class Bill {
               private JFrame frame; // frame of the additional dialog box String name; // name information of purchaser string nee; // name information of purchaser string nee; // none information of purchaser string prode; // postal code information of purchaser String city; // city information of purchaser String province; // province information of purchaser String address; // address information of purchaser String date; // address information of purchaser String ardNo; // card number information of purchaser String vid; // validation id information of purchaser String balance; // balance of the user ArrayListProduct> products; // list of products of user
                 // Initializing the additional dialog box
prtvate void initialize() {
    frame = new JFrame();
    frame.getContentPane().setLayout(null);
    frame.setBounds(600, 100, 499, 428);
    frame.setDialout("Bill");
    frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
    frame.getContentPane().setLayout(null);
                                  // Text area for product list
JTextArea billText = new JTextArea("",20,20);
billText.setBounds(293, 21, 172, 325);
billText.setEditable(false);
billText.setDpaque(false);
// "Bill" panel for showing purchaser information
JPanel firstPanel = new JPanel();
firstPanel.setLayout(null);
firstPanel.setBorder(new TitledBorder(new LineBorder(Color.LIGHT_GRAY), "Bill",
TitledBorder.LEADING, TitledBorder.TOP, null, null));
firstPanel.setBounds(10, 11, 475, 369);
frame.getContentPane().add(firstPanel);
text += "\n\n" + "Balance Left: " + Integer.toString(Integer.parseInt(this.balance)-amount);
bilText.setText(text);
                                 Delitext.Settext(text),

// First panel for first row in the "Bill" panel which contains JLabel objects

JPanel f_firstRow = new JPanel();

f_firstRow.setBorder(new EmptyBorder(3, 3, 3, 3));

f_firstRow.setBorder(new EmptyBorder(3, 3, 3, 3));

f_firstRow.setLayout(new FlowLayout(FlowLayout.LEFT));

JLabel name = new JLabel("Name: ", SwingConstants.RIGHT);

name.setPreferredSize(new Dimension(110, 20));

f_firstRow.add(name);

JLabel nameInput = new JLabel("", SwingConstants.LEFT);

nameInput.setPert(this.name);

f_firstRow.add(nameInput);
                                 Intition.additamethypet;

// Second panel for the second row in the "Bill" panel which contains JLabel objects

JPanel f_secondRow = new JPanel();

f_secondRow.setBorder(new EmptyBorder(3, 3, 3, 3));

f_secondRow.setBorder(new EmptyBorder(3, 3, 3, 3));

f_secondRow.setLayout(new FlowLayout(FlowLayout.EEFT));

f_secondRow.setLayout(new FlowLayout(FlowLayout.LEFT));

JLabel pCode = new JLabel("Postal Code: ", SwingConstants.RIGHT);

pCode.petPreferredSize(new Dimension(110, 20));

f_secondRow.add(pCode);

JLabel pCodeInput.setText(this.pCode);

f_secondRow.add(pCodeInput);
```

```
// Third panel for the third row in the "Bill" panel which contains JLabel objects
    JPanel f_thirdRow = new JPanel();
    f_thirdRow.setBounds(10, 101, 242, 32);
    firstPanel.add(f_thirdRow);
    f_thirdRow.setLayout(new FlowLayout(FlowLayout.LEFT));
    JLabel delivery = new JLabel("Delivery Address: ", SwingConstants.RIGHT);
    delivery.setPreferredSize(new Dimension(112, 20));
    f_thirdRow.add(delivery);
    JLabel addressInput = new JLabel("", SwingConstants.LEFT);
    addressInput.setPreferredSize(new Dimension(110, 20));
    addressInput.setPreferredSize(new Dimension(110, 20));
}
                                                       // Fifth panel for fifth row in the "Bill" panel which contains JLabel objects
JPanel f_fifthRow = new JPanel();
f_fifthRow.setBounds(10, 182, 242, 32);
firstPanel.add(f_fifthRow);
f_fifthRow.setLayout(new FlowLayout(FlowLayout.LEFT));
JLabel date = new JLabel("Province: ", SwingConstants.RIGHT);
date.setPreferredSize(new Dimension(112, 20));
f_fifthRow.add(date);
JLabel provinceInput = new JLabel("", SwingConstants.LEFT);
provinceInput.setText(this.province);
f_fifthRow.add(provinceInput);
                                                      // Seventh panel for seventh row in the "Bill" panel which contains JLabel objects
JPanel f_seventhRow = new JPanel();
f_seventhRow.setBounds(10, 255, 242, 32);
firstPanel.add(f_seventhRow);
f_seventhRow.setLayout(new FlowLayout(FLowLayout.LEFT));
JLabel card = new JLabel("credit Card No.: ", SwingConstants.RIGHT);
card.setPreferredSize(new Dimension(112, 20));
f_seventhRow.add(card);
JLabel cardNoInput = new JLabel("", SwingConstants.LEFT);
cardNoInput.setPreferredSize(new Dimension(110, 20));
cardNoInput.setPreferredSize(new Dimension(110, 20));
f_seventhRow.add(cardNoInput);
                                                      // Sixth panel for sixth row in the "Bill" panel which contains JLabel objects

JPanel f_sixthRow = new JPanel();
f_sixthRow.setBounds(10, 221, 242, 32);
firstPanel.add(f_sixthRow);
f_sixthRow.setLayout(new FlowLayout(FlowLayout.LEFT));
JLabel delivery_1 = new JLabel("Phone: ", SwingConstants.RIGHT);
delivery_1.setPreferredSize(new Dimension(112, 20));
f_sixthRow.add(delivery_1);
JLabel phoneInput = new JLabel("", SwingConstants.LEFT);
phoneInput.setPreferredSize(new Dimension(110, 20));
phoneInput.setPreferredSize(new Dimension(110, 20));
phoneInput.setPreferredSize(new Dimension(110, 20));
f_sixthRow.add(phoneInput);
                                                      // Fourth panel for fourth row in the "Bill" panel which contains JLabel objects
JPanel f_fourthRow = new JPanel();
f_fourthRow.setBounds(10, 144, 242, 32);
firstPanel.add(f_fourthRow);
f_fourthRow.setLayout(new FlowLayout(FlowLayout.LEFT));
JLabel lblCity = new JLabel("City: ", SwingConstants.RIGHT);
lblCity, setPreferredSize(new Dimension(112, 20));
f_fourthRow.add(lblCity);
JLabel cityInput = new JLabel("", SwingConstants.LEFT);
cityInput.setPreferredSize(new Dimension(110, 20));
cityInput.setPreferredSize(new Dimension(110, 20));
f_fourthRow.add(cityInput);
                                                      // Eighth panel for eighth row in the "Bill" panel which contains JLabel objects
JPanel f_eighthRow = new JPanel();
f_eighthRow.setBounds(10, 283, 242, 32);
firstPanel.add(f_eighthRow);
f_eighthRow.setLayout(new FlowLayout(FlowLayout.LEFT));
JLabel date_2 = new JLabel("Validation Id: ", SwingConstants.RIGHT);
date_2.setPreferredSize(new Dimension(112, 20));
f_eighthRow.add(date_2);
JLabel vIdInput = new JLabel("", SwingConstants.LEFT);
vIdInput.setPreferredSize(new Dimension(110, 20));
vIdInput.setPreferredSize(new Dimension(110, 20));
f_eighthRow.add(vIdInput);
                                                      T_etgntnkow.add(Vidiput);
T_etgntnkow.add(Vidiput);
T_ninethRow = new JPanel();
T_ninethRow.setBounds(10, 314, 242, 32);
firstPanel.add(f_ninethRow);
T_ninethRow.setLayout(new FlowLayout(FlowLayout.LEFT));
JLabel date_2_1 = new JLabel("Today's Date: ", SwingConstants.RIGHT);
date_2_1.setPreferredSize(new Dimension(112, 20));
T_ninethRow.add(date_2_1);
JLabel dateInput = new JLabel("", SwingConstants.LEFT);
dateInput.setPreferredSize(new Dimension(110, 20));
dateInput.setPreferredSize(new Dimension(110, 20));
dateInput.setPreferredSize(new Dimension(110, 20));
firstPanel.add(billText);
                           // getter method for the frame of the additional dialog box
public JFrame getFrame() {
    return frame;
```

SecondEditor.java

```
import javax.swing.JFrame;
import javax.swing.JPanel;
import javax.swing.border.TitledBorder;
import javax.swing.border.LineBorder;
import javax.swing.border.LineBorder;
import java.awt.Color;
import java.awt.FlowLayout;
import javax.swing.JLabel;
import javax.swing.JSungConstants;
import javax.swing.JFextField;
import javax.swing.JFextField;
import javax.swing.SpinnerModel;
import javax.swing.SpinnerModel;
import javax.swing.JButtong;
import javax.swing.JButtong;
import javax.swing.JButtong;
import javax.awt.event.ActionListener;
import java.awt.event.ActionEvent;
import java.awt.Font;
     public class SecondEditor {
                          private JFrame frame; // frame of the application
String name; // name information of purchaser
String phone; // phone information of purchaser
String pcode; // postal code information of purchaser
String city; // city information of purchaser
String province; // province information of purchaser
String address; // address information of purchaser
String date; // date information of purchaser
String date; // date information of purchaser
String cardNo; // card number information of purchaser
String vid; // validation id information of purchaser
String balanceA; // balance of the user
ArrayList<Product> products = new ArrayList<Product>(); // product list for user
     // Creating the second dialog box
public SecondEditor(String name, String phone, String pCode, String city, String province, String
address,
                                             String date, String ca
this.name = name;
this.phone = phone;
this.pcode = pCode;
this.ctty = city;
this.ctty = city;
this.date = date;
this.date = date;
this.cardNo = cardNo;
this.vId = vId;
balanceA balance;
initialize();
if(product!=null)
products.add(product);
                                                                      String date, String cardNo, String vId, Product product, String balance) {
                           // Initializing the contents of the second dialog box
private void initialize() {
    frame = new JFrame();
    frame.getContentPane().setLayout(null);
    frame.setBounds(600, 100, 659, 210);
    frame.setTitle("Cheap Shop Catalog Store");
    frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
    frame.getContentPane().setLayout(null);
   frame.getContentPane().add(firstPanel);

// First panel for first row in the "Catalog Item" panel which contains JTextField, JSpinner and JLabel objects

JPanel s_row = new JPanel();
s_row.setBounds(10, 22, 598, 26);
firstPanel.add(s_row);
s_row.setBounds(10, 22, 598, 26);
firstPanel.add(s_row);
s_row.setHounds(10, 22, 598, 26);
firstPanel.add(s_row);
s_row.add(number = new JLabel("Number: ", SwingConstants.RIGHT);
number.setPreferredSize(new Dimension(70, 20));
s_row.add(number);
JTextField numberText = new JTextField();
numberText.setColumns(10);
s_row.add(numberText);
JLabel quantity = new JLabel("Quantity: ", SwingConstants.RIGHT);
quantity.setPreferredSize(new Dimension(70, 20));
s_row.add(quantity);
SpinnerModel value = new SpinnerNumberModel(0, 0, 10, 1);
JSpinner Spinner = new JBpinner(value);
s_row.add(spinner);
JLabel costI = new JLabel("Cost/item: ", SwingConstants.RIGHT);
costI.setPreferredSize(new Dimension(70, 20));
s_row.add(costI);
JTextField costText = new JTextField();
costText.setColumns(5);
s_row.add(costText);
JLabel total = new JLabel("Total: ", SwingConstants.RIGHT);
total.setPreferredSize(new Dimension(70, 20));
s_row.add(total);
JTextField totalText = new JTextField();
totalText.setColumns(5);
s_row.add(totalText);
```

```
...
// Second panel for the Balance Owing field, which contains JTextField and JLabel objects
    JPanel secondPanel = new JPanel();
    secondPanel.setBounds(10, 109, 357, 39);
    frame.getContentPane().add(secondPanel);
    secondPanel.setLayout(new FlowLayout(FlowLayout.LEFT));
    JLabel balance = new JLabel("Balance Owing: ", SwingConstants.RIGHT);
    balance.setPreferredSize(new Dimension(110, 20));
    secondPanel.add(balance);
    JTextField balanceText = new JTextField();
    balanceText.setColumns(10);
    secondPanel.add(balanceText);
               secondPanel.add(balanceText);
              // "Next Catalog Item" button
JButton ctlg_btn = new JButton("Next Catalog Item (PF5)");
ctlg_btn.setDpaque(true);
ctlg_btn.setBackground(Color.LIGHT_GRAY);
ctlg_btn.setBounds(453, 109, 175, 23);
frame.getContentPane().add(ctlg_btn);
               // "Trigger Invoice" button
              JButton trg_btn = new JButton("Trigger Invoice (PF8)");
trg_btn.setOpaque(true);
trg_btn.setBackground(color.LIGHT_GRAY);
trg_btn.setBounds(453, 139, 175, 23);
frame.getContentPane().add(trg_btn);
              JLabel name_1 = new JLabel("Donderly software, Screen Al.2", SwingConstants.RIGHT);
name_1.setFont(new Font("Tahoma", Font.ITALIC, 11));
name_1.setPreferredSize(new Dimension(109, 20));
              name_1.setBounds(453, 3, 167, 20);
frame.getContentPane().add(name_1);
               // Action listener for "Next Catalog Item" button, which adds product to the product list
               ctlg_btn.addActionListener(new ActionListener() {
                      @Override
                      public void actionPerformed(ActionEvent e) {
                            numberText.setText("");
costText.setText("");
totalText.setText("");
                             spinner.setValue(0);
              });
              // Action listener for "Triggering Invoice" button, which opens additional dialog box for the
bill
              trg_btn.addActionListener(new ActionListener() {
                      @Override
                     date,cardNo,vId,products,balanceA);
    products = new ArrayList<Product>();
    bill.getFrame().setVisible(true);
              });
       // getter method for the frame of the second dialog box
public JFrame getFrame() {
             return frame;
```

FirstEditor.java

```
import java.awt.Color;
import java.awt.Dimension;
import java.awt.Dimension;
import java.awt.eventloue;
import java.awt.event.ActionEvent;
import java.awt.event.ActionEvent;
import java.awt.event.ActionEvent;
import java.util.ArrayList;
import java.util.ArrayList;
import javax.swing.JPamet;
import javax.swing.JDanet;
import javax.swing.border.EmptyBorder;
import javax.swing.border.LineBorder;
import javax.swing.border.itineBorder;
import javax.swing.JButton;
import javax.swing.SpinnerModel;
import javax.swing.SpinnerModel;
import javax.swing.SpinnerNomberModel;
import javax.swing.SpinnerNomberMod
     public class FirstEditor implements ActionListener {
                                        private JFrame frame; // frame of the bigger dialog box
                                        // Creating the first dialog box
public FirstEditor() {
   initialize();
                                             // Initializing the contents of the first dialog box private void initialize() { frame = new JFrame(); frame.getContentPane().setLayout(null); frame.setBounds(5e, 100, 600, 471); frame.setBounds(5e, 100, 600, 471); frame.setTitle("Cheap Shop Catalog Store"); frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE); frame.getContentPane().setLayout(null);
                                                                                   // Initializing "Purchaser" panel
]Panel firstPanel = new JPanel();
firstPanel.setLayout(null);
firstPanel.setBorder(new TitledBorder(new LineBorder(Color.LIGHT_GRAY), "Purchaser",
order.LEADING,
TitledBorder.TOP, null, null));
firstPanel.setBounds(10, 35, 618, 235);
frame.getContentPane().add(firstPanel);
                                                                                 TirstPanel.setBounds(10, 35, 618, 259);
frame.getContentPane().add(firstPanet);
// First panel for first row in the "Purchaser" panel which contains JTextField // and Jabel objects
JPanel T_firstNow = new JPanel();
-firstNow.setBorder(new EmptyBorder(3, 3, 3, 3));
f_firstNow.setBorder(new EmptyBorder(3, 3, 3, 3));
JExtField();
JTextField nameText = new JTextField();
JTextField phoneText = new JTextField();
JTextField phoneText = new JTextField();
JTextField phoneText = new JTextField();
JLabel name = new JLabel("Name: ", SwingConstants.RIGHT);
name.setPreferredSize(new Dimension(109, 20));
f_firstNow.add(name);
f_firstNow.add(name);
f_firstNow.add(name);
f_firstNow.add(phoneText)
f_firstNow.add(phoneText);
f_firstNow.add(phoneText);
f_ristNow.add(phoneText);
f_r
                                                                                      cityText.setColumns(10);
// Second panel for second row in the "Purchaser" panel which contains
// JTextField and JLabel objects
// JTextField and JLabel objects
// SecondRow.setBounds(10, 61, 397, 32);
f_secondRow.setBounds(10, 61, 397, 32);
f_secondRow.setBounds(10, 61, 397, 32);
f_secondRow.setBounds(10, 61, 397, 32);
f_secondRow.setBounds(10, 61, 397, 32);
f_secondRow.setLayout(new FlowLayout(FlowLayout.LEFT));
JLabel province = new JLabel("Postal Code: ", SwingConstants.RIGHT);
pCode.setPreferredSize(new Dimension(10, 20));
JLabel province = new JLabel("Province: ", SwingConstants.RIGHT);
f_secondRow.add(province);
f_secondRow.add(province);
f_secondRow.add(city);
f_secondRow.add(city);
f_secondRow.add(city);
f_secondRow.add(cityText);
ffirstPanel.add(f_secondRow);
// Third panel for third row in the "Purchaser" panel which contains JT.
// Third panel for third row in the "Purchaser" panel which contains JT.
                                                                                      // Third panel for third row in the "Purchaser" panel which contains JTextField
// and JLabel objects
JPanel for thirdRow = new JPanel();
f_thirdRow.setBounds(10, 101, 59), 32);
f_thirdRow.setLayout(new FlowLayout(FlowLayout,LEFT));
f_thirdRow.setLayout(new FlowLayout(FlowLayout,LEFT));
delivery.setPreferredSize(new Dimension(112, 20));
delivery.setPreferredSize(new Dimension(112, 20));
delivery.setPreferredSize(new JTextField();
deliveryText.setColumns(50);
f_thirdRow.add(delivery);
f_thirdRow.add(delivery);
f_thirdRow.add(delivery);
f_thirdRow.add(felivery);
f_thirdRow.add(felivery);
                                                                                      // Fourth panel for fourth row in the "Purchaser" panel which contains 
// JextFletd and JLabel objects 
JPanel f_fourthRow = new JPanel(); 
f_fourthRow.settagout(new Flowthayout(Flowtayout, LEFT)); 
f_fourthRow.settagout(new Flowthayout(Flowtayout, LEFT)); 
f_fourthRow.settagout(new Flowthayout(Flowtayout, LEFT)); 
date.setPreferredSize(new Dimension(112, 20)); 
JextFletd dateText = new JTextFletd(); 
dateText.setColumns(10); 
f_fourthRow.add(date); t); 
ITstPanel.add(f_fourthRow);
```

```
...
                // Initialing "Catalog Item" panel
JPanel secondPanel = new JPanel();
secondPanel setLayout(null);
secondPanel setLayout(null);
order.LEADING
TitleGBorder.Top, null, null));
secondPanel.setBounds(18, 280, 618, 65);
frame.getContentPane(), add(secondPanel);
                // "Mext Catalog Item" button
JButton ctlg_btn = new JButton("Next Catalog Item (PP5)");
Ctlg_btn.setBackground(Color.LIGHT_GRAY);
Ctlg_btn.setOpaque(true);
frame.getContentPane().add(ctlg_btn);
                // "Trigger Invoice" button
JButton trigger.btn = new JButton("Trigger Invoice (PF8)");
trigger.btn.setBounds(433, 398, 175, 23);
trigger.btn.setBackground(Color.LIGHT_GRAY);
trigger.btn.setDpaque(frue);
frame.getContentPane().add(trigger_btn);
                // Third panel for Balance Owing field, which contains JLabel and JTextField objects
JPanel thirdPanel = new JPanel();
thirdPanel setBounds(10, 374, 357, 39);
thirdPanel setBounds(10, 374, 357, 39);
thirdPanel setLayout(new FlowLayout(FlowLayout, LEFT));
frame.getContentPane().add(thirdPanel);
JLabel balance = new JLabel("Balance Owing: ", SwingConstants.RIGHT);
balance.setPerferredSize(new Dimension(110, 20));
JTextField balanceText = new JTextField();
but rdPanel = adolumns(10);
thirdPanel = add(balanceText);
(Integer) spinner.getValue(), Integer.parseInt(totalText.getText()));
numberText.setText(**);
costIText.setText(**);
totalText.setText(**);
spinner.setValue(*),
pcodeText.getText()
pcodeText.getText(),
dateText.getText(),
cardText.getText(), validText.getText(), product,balanceText.getText());
cardText.getText(), validText.getText(), product,balanceText.getText());
                               cardText.getText(), validText.getText(), product,balanceText.getText()); window2.getFrame().setVisible(true);
               });
provinceText.getText(), deliveryText.getText(), dateText.getText(),
 cardText.getText(),
                              validText.getText(), products, balanceText.getText());
bill.getFrame().setVisible(true);
                JLabel name_1 = new JLabel("Donderly software, Screen A1.1", SwingConstants.RIGHT);
name_1.setFont(new Font("Tahoma", Font.TTALIC, 11));
name_1.setForeferredSize(new Dimension(189, 20));
name_1.setBounds(453, 4, 167, 20);
frame_gleContentPane()_add(name_1);
        @Override
public void actionPerformed(ActionEvent e) {
    // TODO Auto-generated method stub
```