Week 5 Project—Abstract data types, encapsulation, and UX design

**Scenario**

In this week’s project you will look at Abstract data types and user experience design

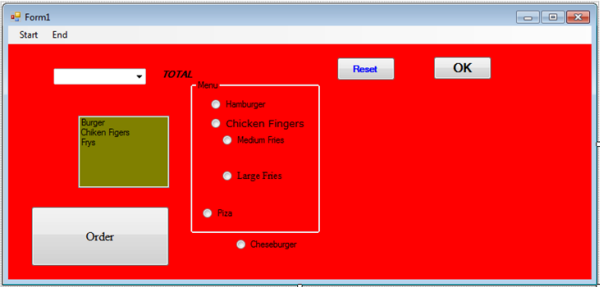
**Rubric**

Point distribution for this activity:

|  |  |  |
| --- | --- | --- |
| **Activity** | | |
| **Document** | **Points possible** | **Points received** |
| Part A | 20 |  |
| Part B | 30 |  |
| **Total Points** | **50** |  |

Part A:

What are some User Experience design principles? List some design errors in the following GUI:



* Garish background that clashes with the foreground text and other background colors
* Unlabeled entry item, what is the user filling out here?
* Selections in the primary menu are not lined up, nor are they all included within the menu “box”
* The flow of the order screen feels off, normally the end would be below everything and/or to the far right

Part B:

Create a GUI in Java or C# using good design principles (consistency, alignment, avoid clutter, color, target audience, etc).

Recreate the above form with good design principles. The reset button should clear all items.   
The OK/Order button should take the user to another form that displays all the items chosen.

Code:

/// Cart.java START ///

/\*

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\*/

package msystem;

import java.util.ArrayList;

/\*\*

\*

\* @author never

\*/

public class Cart {

public static ArrayList Cart = new ArrayList();

public static void main(String[] args) {

System.out.println("Hello World!");

}

public static void addToCart(String item){

Cart.add(item);

System.out.println("Added " + item + " to cart");

}

public static void removeFromCart(String item){

Cart.remove(item);

System.out.println("Removed "+ item + " from cart");

}

public static void resetCart(){

Cart.clear();

System.out.println("Cart has been cleared");

}

}

/// Cart.java END ///

/// MainMenu.java START ///

/\*

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\* Click nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java to edit this template

\*/

package msystem;

import java.util.ArrayList;

import javax.swing.DefaultListModel;

/\*\*

\*

\* @author never

\*/

public class MainMenu extends javax.swing.JFrame {

/\*\*

\* Creates new form FinalOrder

\*/

public MainMenu() {

initComponents();

Cart.resetCart();

getList();

}

/\*\*

\* 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() {

rdgroupMains = new javax.swing.ButtonGroup();

rdgroupSides = new javax.swing.ButtonGroup();

btnResetOrder = new javax.swing.JButton();

btnFinalizeOrder = new javax.swing.JButton();

jPanel1 = new javax.swing.JPanel();

rdbtnHam = new javax.swing.JRadioButton();

rdbtnChknF = new javax.swing.JRadioButton();

rdbtnPizza = new javax.swing.JRadioButton();

rdbtnHamCh = new javax.swing.JRadioButton();

jLabel2 = new javax.swing.JLabel();

jLabel3 = new javax.swing.JLabel();

rdbtnFriesL = new javax.swing.JRadioButton();

rdbtnFriesM = new javax.swing.JRadioButton();

rdbtnFriesS = new javax.swing.JRadioButton();

rdbtnNoneSide = new javax.swing.JRadioButton();

rdbtnNoneMain = new javax.swing.JRadioButton();

jLabel1 = new javax.swing.JLabel();

btnAddOrder = new javax.swing.JButton();

jScrollPane1 = new javax.swing.JScrollPane();

lstCart = new javax.swing.JList<>();

jLabel4 = new javax.swing.JLabel();

btnRemoveCartItem = new javax.swing.JButton();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE);

btnResetOrder.setText("Reset Order");

btnResetOrder.addMouseListener(new java.awt.event.MouseAdapter() {

public void mouseClicked(java.awt.event.MouseEvent evt) {

btnResetOrderMouseClicked(evt);

}

});

btnFinalizeOrder.setText("Finalize Order");

btnFinalizeOrder.addMouseListener(new java.awt.event.MouseAdapter() {

public void mouseClicked(java.awt.event.MouseEvent evt) {

btnFinalizeOrderMouseClicked(evt);

}

});

jPanel1.setBorder(javax.swing.BorderFactory.createEtchedBorder());

rdgroupMains.add(rdbtnHam);

rdbtnHam.setText("Hamburger");

rdbtnHam.setToolTipText("");

rdgroupMains.add(rdbtnChknF);

rdbtnChknF.setText("Chicken Fingers");

rdbtnChknF.setToolTipText("");

rdgroupMains.add(rdbtnPizza);

rdbtnPizza.setText("Pizza");

rdbtnPizza.setToolTipText("");

rdgroupMains.add(rdbtnHamCh);

rdbtnHamCh.setText("Cheeseburger");

rdbtnHamCh.setToolTipText("");

jLabel2.setText("Mains");

jLabel3.setText("Sides");

rdgroupSides.add(rdbtnFriesL);

rdbtnFriesL.setText("Large Fries");

rdgroupSides.add(rdbtnFriesM);

rdbtnFriesM.setText("Medium Fries");

rdgroupSides.add(rdbtnFriesS);

rdbtnFriesS.setText("Small Fries");

rdbtnFriesS.setActionCommand("Small Fries");

rdgroupSides.add(rdbtnNoneSide);

rdbtnNoneSide.setSelected(true);

rdbtnNoneSide.setText("None");

rdgroupMains.add(rdbtnNoneMain);

rdbtnNoneMain.setSelected(true);

rdbtnNoneMain.setText("None");

rdbtnNoneMain.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()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel1Layout.createSequentialGroup()

.addContainerGap()

.addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED\_SIZE, 37, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(6, 6, 6)

.addComponent(jLabel3, 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(rdbtnNoneMain, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(rdbtnChknF, javax.swing.GroupLayout.DEFAULT\_SIZE, 110, Short.MAX\_VALUE))

.addContainerGap(11, Short.MAX\_VALUE))

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(49, 49, 49)

.addComponent(rdbtnHam, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addContainerGap(36, Short.MAX\_VALUE))

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(49, 49, 49)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(rdbtnNoneSide, javax.swing.GroupLayout.PREFERRED\_SIZE, 98, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(rdbtnFriesS, javax.swing.GroupLayout.PREFERRED\_SIZE, 98, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(rdbtnFriesM, javax.swing.GroupLayout.PREFERRED\_SIZE, 98, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(rdbtnFriesL, javax.swing.GroupLayout.PREFERRED\_SIZE, 98, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(rdbtnPizza, javax.swing.GroupLayout.PREFERRED\_SIZE, 105, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(rdbtnHamCh, javax.swing.GroupLayout.PREFERRED\_SIZE, 105, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

);

jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel1Layout.createSequentialGroup()

.addContainerGap()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel1Layout.createSequentialGroup()

.addComponent(rdbtnHam)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(rdbtnHamCh)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(rdbtnPizza)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(rdbtnChknF))

.addComponent(jLabel2))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(rdbtnNoneMain)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 20, Short.MAX\_VALUE)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(rdbtnFriesL)

.addComponent(jLabel3))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(rdbtnFriesM)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(rdbtnFriesS)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(rdbtnNoneSide)

.addContainerGap())

);

jLabel1.setText("Menu");

btnAddOrder.setText("Add to Order");

btnAddOrder.addMouseListener(new java.awt.event.MouseAdapter() {

public void mouseClicked(java.awt.event.MouseEvent evt) {

btnAddOrderMouseClicked(evt);

}

});

lstCart.setModel(new javax.swing.AbstractListModel<String>() {

String[] strings = { "Item 1", "Item 2", "Item 3", "Item 4", "Item 5" };

public int getSize() { return strings.length; }

public String getElementAt(int i) { return strings[i]; }

});

jScrollPane1.setViewportView(lstCart);

jLabel4.setText("Cart");

btnRemoveCartItem.setText("Remove from Cart");

btnRemoveCartItem.addMouseListener(new java.awt.event.MouseAdapter() {

public void mouseClicked(java.awt.event.MouseEvent evt) {

btnRemoveCartItemMouseClicked(evt);

}

});

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addContainerGap()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addComponent(btnResetOrder)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 74, Short.MAX\_VALUE)

.addComponent(btnAddOrder)

.addGap(18, 18, 18)

.addComponent(btnFinalizeOrder)

.addContainerGap())

.addGroup(layout.createSequentialGroup()

.addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jScrollPane1, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.PREFERRED\_SIZE, 146, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()

.addComponent(btnRemoveCartItem)

.addContainerGap())))))

.addGroup(layout.createSequentialGroup()

.addGap(63, 63, 63)

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 37, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED\_SIZE, 37, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(58, 58, 58))

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel1)

.addComponent(jLabel4))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 181, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(btnRemoveCartItem)

.addGap(0, 0, Short.MAX\_VALUE))

.addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(btnFinalizeOrder)

.addComponent(btnAddOrder))

.addComponent(btnResetOrder))

.addContainerGap())

);

pack();

}// </editor-fold>

private void btnFinalizeOrderMouseClicked(java.awt.event.MouseEvent evt) {

// TODO add your handling code here:

new ShowOrder().setVisible(true);

this.setVisible(false);

}

private void btnResetOrderMouseClicked(java.awt.event.MouseEvent evt) {

// TODO add your handling code here:

Cart.resetCart();

getList();

}

private void btnAddOrderMouseClicked(java.awt.event.MouseEvent evt) {

// TODO add your handling code here:

if(rdbtnHam.isSelected()){

Cart.addToCart(rdbtnHam.getText());

}

else if(rdbtnHamCh.isSelected()){

Cart.addToCart(rdbtnHamCh.getText());

}

else if(rdbtnChknF.isSelected()){

Cart.addToCart(rdbtnChknF.getText());

}

else if(rdbtnPizza.isSelected()){

Cart.addToCart(rdbtnPizza.getText());

}

if(rdbtnFriesL.isSelected()){

Cart.addToCart(rdbtnFriesL.getText());

}

else if(rdbtnFriesM.isSelected()){

Cart.addToCart(rdbtnFriesM.getText());

}

else if(rdbtnFriesS.isSelected()){

Cart.addToCart(rdbtnFriesS.getText());

}

getList();

}

private void btnRemoveCartItemMouseClicked(java.awt.event.MouseEvent evt) {

// TODO add your handling code here:

Cart.removeFromCart(lstCart.getSelectedValue().toString());

getList();

}

/\*\*

\* @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(MainMenu.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(MainMenu.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(MainMenu.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(MainMenu.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

}

//</editor-fold>

//</editor-fold>

/\* Create and display the form \*/

java.awt.EventQueue.invokeLater(new Runnable() {

public void run() {

new MainMenu().setVisible(true);

}

});

}

public static void getList(){

ArrayList<String> list = new ArrayList<>();

list = Cart.Cart;

DefaultListModel model = new DefaultListModel();

model.addAll(list);

lstCart.setModel(model);

}

// Variables declaration - do not modify

private javax.swing.JButton btnAddOrder;

private javax.swing.JButton btnFinalizeOrder;

private javax.swing.JButton btnRemoveCartItem;

private javax.swing.JButton btnResetOrder;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel3;

private javax.swing.JLabel jLabel4;

private javax.swing.JPanel jPanel1;

private javax.swing.JScrollPane jScrollPane1;

private static javax.swing.JList<String> lstCart;

private javax.swing.JRadioButton rdbtnChknF;

private javax.swing.JRadioButton rdbtnFriesL;

private javax.swing.JRadioButton rdbtnFriesM;

private javax.swing.JRadioButton rdbtnFriesS;

private javax.swing.JRadioButton rdbtnHam;

private javax.swing.JRadioButton rdbtnHamCh;

private javax.swing.JRadioButton rdbtnNoneMain;

private javax.swing.JRadioButton rdbtnNoneSide;

private javax.swing.JRadioButton rdbtnPizza;

private javax.swing.ButtonGroup rdgroupMains;

private javax.swing.ButtonGroup rdgroupSides;

// End of variables declaration

}

/// MainMenu.java END ///

/// ShowOrder.java START ///

/\*

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\* Click nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java to edit this template

\*/

package msystem;

import java.util.ArrayList;

import javax.swing.DefaultListModel;

/\*\*

\*

\* @author never

\*/

public class ShowOrder extends javax.swing.JFrame {

/\*\*

\* Creates new form MainMenu

\*/

public ShowOrder() {

initComponents();

getList();

}

/\*\*

\* 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() {

btnBackOrder = new javax.swing.JButton();

jLabel1 = new javax.swing.JLabel();

jScrollPane1 = new javax.swing.JScrollPane();

lstCartFinal = new javax.swing.JList<>();

jLabel2 = new javax.swing.JLabel();

jLabel3 = new javax.swing.JLabel();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE);

btnBackOrder.setText("Back to Order Screen");

btnBackOrder.addMouseListener(new java.awt.event.MouseAdapter() {

public void mouseClicked(java.awt.event.MouseEvent evt) {

btnBackOrderMouseClicked(evt);

}

});

jLabel1.setText("Final Order Includes:");

lstCartFinal.setModel(new javax.swing.AbstractListModel<String>() {

String[] strings = { "Item 1", "Item 2", "Item 3", "Item 4", "Item 5" };

public int getSize() { return strings.length; }

public String getElementAt(int i) { return strings[i]; }

});

jScrollPane1.setViewportView(lstCartFinal);

jLabel2.setText("Thank you for your order,");

jLabel2.setVerticalAlignment(javax.swing.SwingConstants.TOP);

jLabel3.setText("It will be out shortly.");

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addContainerGap()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel2)

.addComponent(jLabel1)

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 174, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel3)

.addComponent(btnBackOrder))

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()

.addContainerGap()

.addComponent(jLabel1)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 208, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jLabel2)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jLabel3)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(btnBackOrder)

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

);

pack();

}// </editor-fold>

private void btnBackOrderMouseClicked(java.awt.event.MouseEvent evt) {

// TODO add your handling code here:

new MainMenu().setVisible(true);

this.setVisible(false);

}

/\*\*

\* @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(ShowOrder.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(ShowOrder.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(ShowOrder.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(ShowOrder.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

}

//</editor-fold>

//</editor-fold>

/\* Create and display the form \*/

java.awt.EventQueue.invokeLater(new Runnable() {

public void run() {

new ShowOrder().setVisible(true);

}

});

}

public static void getList(){

ArrayList<String> list = new ArrayList<>();

list = Cart.Cart;

DefaultListModel model = new DefaultListModel();

model.addAll(list);

lstCartFinal.setModel(model);

}

// Variables declaration - do not modify

private javax.swing.JButton btnBackOrder;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel3;

private javax.swing.JScrollPane jScrollPane1;

private static javax.swing.JList<String> lstCartFinal;

// End of variables declaration

}

/// ShowOrder.java END ///

Screenshot original form:

A screenshot of a menu

Description automatically generated

Screenshot result form:

A screenshot of a menu

Description automatically generated