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**Semester Project**

***“Online Ordering and Tracking System”***

**6th June,2020**

**PROJECT REPORT:**

This assignment aims to make this code to make it understandable for you. Here I will give complete explanation of code. The things I used in coding of my project.

* No use of Drag and Drop
* Proper use of Coding
* **Use** **of AWT and SWING libraries**
* 6 to 7 times concepts of Exception Handling are Used
* “**ArrayOutOfBoundsException**” (Exception Handled) at **Buy and Delete Button**
* Pre-Initialized Owner Id and Password
* Feature of payment through Card and Online Methods (EasyPaisa, Jazzcash)
* Program is well-commented for better understanding
* **Each Output is explained step by step**
* Using of exception handling concepts demonstrated with the help of Outputs at the end

CLASSES:

MAIN CLASS:

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| import java.awt.Color;  import java.awt.Font;  import java.awt.event.ActionEvent;  import java.awt.event.ActionListener;  import javax.swing.BorderFactory;  import javax.swing.ImageIcon;  import javax.swing.JButton;  import javax.swing.JFrame;  import javax.swing.JLabel;  import javax.swing.border.Border;    public class Main extends JFrame{    /\*\*  \* @param args the command line arguments  \*/      //Creating object of Login Class  Login loginObj= new Login();          //Creating Borders for Lables Panels and Buttons etc  Border buttonbrdr= BorderFactory.createLineBorder(Color.MAGENTA, 3, true);    //Creating Labels  JLabel l1,l2;    //Creating Buttons  JButton B1 = new JButton("User Login");  JButton B2 = new JButton("Owner Login");  JButton B3 = new JButton("Sign Up");  Main()  {      //Frame Properties  setDefaultCloseOperation(EXIT\_ON\_CLOSE);  setSize(400, 350);  setLayout(null);  setTitle("LOGIN PAGE");    //Adding Image to the Label      //Designing Buttons  B1.setFont(new Font("TimesRoman",Font.BOLD | Font.ITALIC , 18));  B1.setBounds(20, 50, 160, 60);  B1.setBackground(Color.GREEN);  B1.setBorder(buttonbrdr);  B1.setForeground(Color.black);    B2.setFont(new Font("Arial",Font.BOLD | Font.ITALIC, 18));  B2.setBounds(190, 50, 160, 60);  B2.setBackground(Color.GREEN);  B2.setBorder(buttonbrdr);  B2.setForeground(Color.black);    B3.setFont(new Font("Arial",Font.TYPE1\_FONT, 18));  B3.setBounds(110, 160, 170, 60);  B3.setBackground(Color.RED);  B3.setForeground(Color.black);  B3.setBorder(buttonbrdr);  add(B1);  add(B2);  add(B3);  setVisible(true);              //Button Events of Buttons    B1.addActionListener(new ActionListener() {    public void actionPerformed(ActionEvent e) {    loginObj.UserLogin();      }  });                      B2.addActionListener(new ActionListener() {  @Override  public void actionPerformed(ActionEvent e) {    loginObj.OwnerLogin();      }  });  B3.addActionListener(new ActionListener() {  @Override  public void actionPerformed(ActionEvent e) {  loginObj.SignUp();    }  });      }            public static void main(String[] args) {        java.awt.EventQueue.invokeLater(new Runnable() {  @Override  public void run() {  //To change body of generated methods, choose Tools | Templates.    Main obj1= new Main();  }  });          }    } |

HOMEPAGE CLASS:

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| import java.awt.Color;  import java.awt.Font;    import java.awt.event.ActionEvent;  import java.awt.event.ActionListener;  import javax.swing.BorderFactory;  import javax.swing.ButtonGroup;    import javax.swing.JButton;  import javax.swing.JFrame;  import javax.swing.JLabel;  import javax.swing.JOptionPane;  import javax.swing.JPanel;  import javax.swing.JRadioButton;  import javax.swing.WindowConstants;  import javax.swing.border.Border;    public class HomePage {    //Object of Login Class  Login lgnobj = new Login();      //Creating Frames  JFrame pgframe= new JFrame("A & S Mobile Store");      //Creating Lables  JLabel backgrnd = new JLabel();  JLabel Name= new JLabel("Name:");  JLabel Contcat= new JLabel("Contact No:");  JLabel Adress= new JLabel("Adress:");  JLabel email= new JLabel("Email Adress:");  JLabel username,usercontact,useradress,useremail;      //Creating Radio Buttons and a Button Group  ButtonGroup Grp1 = new ButtonGroup();  JRadioButton HButton= new JRadioButton("H U A W E I");  JRadioButton SButton= new JRadioButton("S A M S U N G");  JRadioButton IButton= new JRadioButton("I P H O N E");  JButton products= new JButton("PRODUCTS");    //Declaring Strings and getting info from Login Class  String getname = lgnobj.Username;  String getcontact = lgnobj.Usercontact;  String getadress = lgnobj.Useradress;  String getemail = lgnobj.Useremail;    //Creating Borders for Lables Panles and Buttons etc  Border brdr= BorderFactory.createLineBorder(Color.YELLOW, 3, true);  Border panelbrdr= BorderFactory.createLineBorder(Color.BLACK, 3, true);  Border buttonbrdr= BorderFactory.createLineBorder(Color.MAGENTA, 3, true);        int index;      public HomePage()  {  //initializing Lables  this.username = new JLabel(getname);  this.usercontact = new JLabel(getcontact);  this.useradress = new JLabel(getadress);  this.useremail = new JLabel(getemail);    //Page Frame Properties  pgframe.setLayout(null);  pgframe.setSize(1200, 700);  pgframe.setDefaultCloseOperation(WindowConstants.HIDE\_ON\_CLOSE);  pgframe.setLocation(50, 30);        //Creating a panels and setting it out and putting it in backgrnd label  JPanel cnr= new JPanel();  cnr.setLayout(null);  cnr.setBounds(190, 180,400 , 400);  cnr.setBorder(panelbrdr);  cnr.setBackground(new Color(47,141,255,80));  pgframe.add(cnr);      JPanel cnr1= new JPanel();  cnr1.setLayout(null);  cnr1.setBounds(450, 30,300 , 100);  cnr1.setBorder(panelbrdr);  cnr1.setBackground(new Color(140,255,255,50));  pgframe.add(cnr1);    JPanel cnr2= new JPanel();  cnr2.setLayout(null);  cnr2.setBorder(panelbrdr);  cnr2.setBounds(650, 400,220 , 50);  cnr2.setBackground(new Color(255, 0, 0, 80));  pgframe.add(cnr2);      //Designing Labels  JLabel strnm= new JLabel("A & S MOBILE STORE");  JLabel Signup = new JLabel("WELCOME TO");  JLabel ctgrs = new JLabel("Categories");      //Designing Buttons  HButton.setFont(new Font("FF", Font.BOLD, 15));  HButton.setForeground(Color.BLACK);    HButton.setBounds(690,470 , 130, 30);  HButton.setBackground(Color.red);    SButton.setFont(new Font("FF", Font.BOLD, 15));  SButton.setForeground(Color.BLACK);  SButton.setBounds(690,510 , 130, 30);  SButton.setBackground(Color.CYAN);      IButton.setFont(new Font("FF", Font.BOLD, 15));  IButton.setForeground(Color.BLACK);  IButton.setBounds(690,550 , 130, 30);  IButton.setBackground(Color.GREEN);    products.setBounds(700, 600, 110, 35);  products.setFont(new Font("", Font.BOLD, 12));  products.setBackground(Color.YELLOW);  products.setForeground(Color.BLACK);  products.setBorder(buttonbrdr);      //Adding Buttons to the Label  pgframe.add(HButton);  pgframe.add(SButton);  pgframe.add(IButton);  pgframe.add(products);      //Adding Radio Buttons to a button Group  Grp1.add(HButton);  Grp1.add(SButton);  Grp1.add(IButton);      //Designing Panles  ctgrs.setFont(new Font("Plain", Font.BOLD, 23));  ctgrs.setForeground(Color.BLACK);      ctgrs.setBounds(40, 2, 132, 45);  cnr2.add(ctgrs);    Signup.setFont(new Font("Ahadori", Font.BOLD,20));  Signup.setBounds(75, 10, 200, 35);  Signup.setForeground(Color.RED);  cnr1.add(Signup);    strnm.setFont(new Font("Ahadori", Font.BOLD,20));  strnm.setBounds(38, 40, 230, 35);  strnm.setForeground(Color.BLACK);  cnr1.add(strnm);      //Designing Labels and adding them to Panles  Name.setFont(new Font("Plain", Font.BOLD, 20));  Name.setForeground(Color.BLACK);  Name.setBounds(30, 70, 200, 50);  cnr.add(Name);      username.setFont(new Font("Plain", Font.BOLD, 17));  username.setForeground(Color.WHITE);    username.setBorder(brdr);  username.setBounds(180, 70, 180, 50);  cnr.add(username);        Contcat.setFont(new Font("Plain", Font.BOLD, 20));  Contcat.setForeground(Color.BLACK);  Contcat.setBounds(30, 140, 150, 50);  cnr.add(Contcat);      usercontact.setFont(new Font("Plain", Font.ITALIC | Font.BOLD, 17));  usercontact.setForeground(Color.CYAN);  usercontact.setBorder(brdr);  usercontact.setBounds(180, 140, 180, 50);  cnr.add(usercontact);    Adress.setFont(new Font("Plain", Font.BOLD, 20));  Adress.setForeground(Color.BLACK);  Adress.setBounds(30, 210, 150, 50);  cnr.add(Adress);    useradress.setFont(new Font("Plain", Font.BOLD, 16));  useradress.setForeground(Color.BLACK);  useradress.setBorder(brdr);  useradress.setBounds(180, 210, 180, 50);  cnr.add(useradress);    email.setFont(new Font("Plain", Font.BOLD, 20));  email.setForeground(Color.BLACK);  email.setBounds(30, 280, 150, 50);  cnr.add(email);    useremail.setFont(new Font("Plain", Font.HANGING\_BASELINE, 17));  useremail.setForeground(Color.BLACK);  useremail.setBorder(brdr);  useremail.setBounds(180, 280, 180, 50);  cnr.add(useremail);      //Button event of Products Button  products.addActionListener(new ActionListener() {  @Override  public void actionPerformed(ActionEvent e) {  //To change body of generated methods, choose Tools | Templates.    if (HButton.isSelected())  {  new Items(0);  }    else if (SButton.isSelected())  {      new Items(0, 0);    }  else if (IButton.isSelected())  {  new Items(0,0,0);    }    else  {  JOptionPane.showMessageDialog(null, "Sorry! No Category is Selected");    }  }  });      //Adding backgrnd label containing an image too to the page frame    pgframe.setVisible(true);      }        public HomePage(String owner)  {        //Creating Labels  JLabel strnm= new JLabel("A & S MOBILE STORE");  JLabel Signup = new JLabel("WELCOME TO");  JLabel ctgrs = new JLabel("C a t e g o r i e s");  JLabel cnr3Backgrnd= new JLabel();      //Frame Properties  pgframe.setLayout(null);  pgframe.setSize(1200, 745);  pgframe.setDefaultCloseOperation(WindowConstants.EXIT\_ON\_CLOSE);  pgframe.setLocation(50, 0);                  //Creating panles and designing them and adding them to labels  JPanel cnr1= new JPanel();  cnr1.setLayout(null);  cnr1.setBounds(420, 30,300 , 250);  cnr1.setBorder(brdr);  cnr1.setBackground(new Color(255,255,0,90));  pgframe.add(cnr1);    JPanel cnr2= new JPanel();  cnr2.setLayout(null);  cnr2.setBorder(brdr);  cnr2.setBounds(420, 370,290 , 50);  cnr2.setBackground(new Color(255, 0, 0, 100));  pgframe.add(cnr2);            //Designing Labels  Signup.setFont(new Font("Ahadori", Font.BOLD,22));  Signup.setBounds(75, 30, 200, 35);  Signup.setForeground(Color.RED);  cnr1.add(Signup);    strnm.setFont(new Font("Ahadori", Font.BOLD,23));  strnm.setBounds(35, 170, 290, 35);  strnm.setForeground(Color.BLACK);  cnr1.add(strnm);      ctgrs.setFont(new Font("Plain", Font.BOLD, 23));  ctgrs.setForeground(Color.WHITE);      ctgrs.setBounds(55, 2, 270, 45);  cnr2.add(ctgrs);  //Desiging Buttons  HButton.setFont(new Font("FF", Font.BOLD, 15));  HButton.setForeground(Color.BLACK);    HButton.setBounds(110,580 , 190, 50);  HButton.setText(" H U A W E I ");  HButton.setBackground(Color.red);    SButton.setFont(new Font("FF", Font.BOLD, 15));  SButton.setForeground(Color.BLACK);  SButton.setBounds(335,580 , 190, 50);  SButton.setText(" S A M S U N G ");  SButton.setBackground(Color.CYAN);      IButton.setFont(new Font("FF", Font.BOLD, 15));  IButton.setForeground(Color.BLACK);  IButton.setBounds(558,580 , 190, 50);  IButton.setText(" I P H O N E");  IButton.setBackground(Color.GREEN);      products.setBounds(230, 660, 400, 35);  products.setFont(new Font("", Font.BOLD, 18));  products.setBackground(Color.YELLOW);  products.setText(" M O D I F Y");  products.setForeground(Color.BLACK);  products.setBorder(buttonbrdr);      //adding Buttons to the Labels  pgframe.add(HButton);  pgframe.add(SButton);  pgframe.add(IButton);  pgframe.add(products);        //Adding radio buttons to a Button Group  Grp1.add(HButton);  Grp1.add(SButton);  Grp1.add(IButton);          pgframe.setVisible(true);                //Button event of Products Button  products.addActionListener(new ActionListener() {  @Override  public void actionPerformed(ActionEvent e) {  //To change body of generated methods, choose Tools | Templates.    if (HButton.isSelected())  {  Settings settings = new Settings();  }    else if (SButton.isSelected())  {    Settings settings=new Settings(0);      }  else if (IButton.isSelected())  {  Settings settings=new Settings(0, 0);    }    else  {  JOptionPane.showMessageDialog(null, "Sorry! No Category is Selected");    }  }  });                }    } |

LOGIN CLASS:

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| import java.awt.Color;  import java.awt.Font;    import java.awt.event.ActionEvent;  import java.awt.event.ActionListener;  import javax.swing.BorderFactory;    import javax.swing.JButton;  import javax.swing.JFrame;  import javax.swing.JLabel;  import javax.swing.JOptionPane;  import javax.swing.JPanel;  import javax.swing.JPasswordField;  import javax.swing.JTextField;  import javax.swing.WindowConstants;  import javax.swing.border.Border;    public class Login {      //Creating Borders for Lables Panles and Buttons etc  Border brdr= BorderFactory.createLineBorder(Color.YELLOW, 3, true);  Border TextField = BorderFactory.createLineBorder(Color.RED, 1,true);  Border buttonbrdr= BorderFactory.createLineBorder(Color.MAGENTA, 3, true);    //Creating Frames  JFrame frame2= new JFrame("OWNER LOGIN");  JFrame frame =new JFrame("USER LOGIN");  JFrame frame3 = new JFrame("Sign Up Page");      //Creating Text Fields for Account Sign Up  JTextField emailTxtAc = new JTextField();  JTextField emailTxtLogin = new JTextField();  JTextField emailTxtOw = new JTextField();  JTextField nameTxt = new JTextField();  JTextField contactTxt = new JTextField();  JTextField adressTxt = new JTextField();      //Creating Labels  JLabel backgrnd = new JLabel();  JLabel UserEmail = new JLabel("Enter Your Email adress:");  JLabel password = new JLabel("Enter Your Password:");  JLabel Name = new JLabel("Enter Your Name:");  JLabel Contact = new JLabel("Enter Your Contact Number:");  JLabel adress = new JLabel("Enter Your Adress:");  JLabel LOGIN = new JLabel("USER LOGIN");  JLabel ownerLg= new JLabel("OWNER LOGIN");      //Creating Passwords Fields  JPasswordField passlogin= new JPasswordField();  JPasswordField passAc = new JPasswordField();  JPasswordField passow= new JPasswordField();      //Creating Buttons  JButton button1 = new JButton("Login");  JButton button2= new JButton("Create Account");  JButton button = new JButton("Login");      Color clr = new Color(170, 100, 80);        //Declaring Strings for storing User data  static String checkemail,checkpass,Useremail,Username,Useradress,Usercontact,Userpswrd;        String checkownerId,checkownerpass;        public void SignUp()  {        //Frame Properties  frame3.setLayout(null);  frame3.setSize(1200, 700);  frame3.setDefaultCloseOperation(WindowConstants.HIDE\_ON\_CLOSE);  frame3.setLocation(50, 30);                //Desiging Labels  JLabel Signup = new JLabel("Sign Up");  Signup.setFont(new Font("Ahadori", Font.PLAIN, 25));  Signup.setBounds(560, 5, 110, 40);  Signup.setForeground(Color.WHITE);      frame3.add(Signup);    //Creating Panel and Designing it  JPanel cnr= new JPanel();  cnr.setLayout(null);  cnr.setBounds(400, 70,400 , 550);  cnr.setBorder(brdr);  cnr.setBackground(new Color(0,0,0,80));  frame3.add(cnr);  //Designing Labels and TextFields  //And adding them to the Panels  Name.setFont(new Font("Plain", Font.BOLD, 15));  Name.setForeground(Color.WHITE);  Name.setBounds(30, 10, 300, 50);  cnr.add(Name);  nameTxt.setFont(new Font("Arial", Font.ITALIC, 17));  nameTxt.setBackground(clr);  nameTxt.setForeground(Color.black);  nameTxt.setBounds(100, 50, 220, 30);  nameTxt.setBorder(TextField);    cnr.add(nameTxt);        Contact.setFont(new Font("Plain", Font.BOLD, 15));  Contact.setForeground(Color.WHITE);  Contact.setBounds(30, 110, 200, 50);  cnr.add(Contact);    contactTxt.setFont(new Font("Arial", Font.ITALIC, 15));  contactTxt.setBackground(clr);  contactTxt.setForeground(Color.black);  contactTxt.setBounds(100, 150, 220, 30);  contactTxt.setBorder(TextField);    cnr.add(contactTxt);    adress.setFont(new Font("Plain", Font.BOLD, 15));  adress.setForeground(Color.WHITE);  adress.setBounds(30, 210, 200, 50);    cnr.add(adress);  adressTxt.setFont(new Font("Arial", Font.ITALIC, 15));  adressTxt.setBackground(clr);  adressTxt.setForeground(Color.black);  adressTxt.setBounds(100, 250, 220, 30);  adressTxt.setBorder(TextField);    cnr.add(adressTxt);    UserEmail.setFont(new Font("Plain", Font.BOLD, 15));  UserEmail.setForeground(Color.WHITE);  UserEmail.setBounds(30, 310, 200, 50);  cnr.add(UserEmail);  emailTxtAc.setFont(new Font("Arial", Font.ITALIC, 15));  emailTxtAc.setBackground(clr);  emailTxtAc.setForeground(Color.black);  emailTxtAc.setBounds(100, 350, 220, 30);  emailTxtAc.setBorder(TextField);    cnr.add(emailTxtAc);    password.setFont(new Font("Plain", Font.BOLD, 15));  password.setForeground(Color.WHITE);  password.setBounds(30, 410, 200, 50);    cnr.add(password);  passAc.setFont(new Font("Arial", Font.ITALIC, 20));  passAc.setBackground(Color.blue);  passAc.setForeground(Color.black);  passAc.setBounds(100, 450, 220, 30);  passAc.setBorder(TextField);    //Button and Adding to the Panel  cnr.add(passAc);  button2.setFont(new Font("Plain", Font.BOLD, 15));  button2.setBackground( Color.GREEN);  button2.setForeground(Color.BLACK);  button2.setBorder(buttonbrdr);  button2.setBounds(130, 500, 160, 40);  cnr.add(button2);      //Button Event of Create Account  button2.addActionListener(new ActionListener() {  @Override  public void actionPerformed(ActionEvent e) {  if(e.getSource()==button2)  {  Username= nameTxt.getText();  Usercontact=contactTxt.getText();  Useradress=adressTxt.getText();  Useremail= emailTxtAc.getText();  Userpswrd=passAc.getText();  JOptionPane.showMessageDialog(null,"Account Has been Created Successfully Now Go to Login");  frame3.dispose();    }      }  });          frame3.setVisible(true);  }                      public void UserLogin()  {    //Frame Propeties  frame.setLayout(null);  frame.setSize(370, 300);  frame.setDefaultCloseOperation(WindowConstants.HIDE\_ON\_CLOSE);  frame.setLocation(400, 100);            //Designing Labels and Text Fields  LOGIN.setFont(new Font("Arial",Font.BOLD,20));  LOGIN.setBackground(new Color(0,0,0,80));  LOGIN.setForeground(Color.BLACK);  LOGIN.setBounds(110, 1, 200, 30);  frame.add(LOGIN);  frame.setBounds(0, 0, 370, 300);  UserEmail.setFont(new Font("Plain", Font.BOLD, 15));  UserEmail.setForeground(Color.BLACK);  UserEmail.setBounds(60, 40, 200, 22);    emailTxtLogin.setFont(new Font("Arial", Font.ITALIC, 20));  emailTxtLogin.setBackground(clr);  emailTxtLogin.setForeground(Color.black);  emailTxtLogin.setBounds(62, 70, 220, 30);  emailTxtLogin.setBorder(TextField);      password.setFont(new Font("Plain", Font.BOLD, 15));  password.setForeground(Color.BLACK);  password.setBounds(60, 110, 200, 22);      passlogin.setFont(new Font("Arial", Font.ITALIC, 20));  passlogin.setBackground(clr);  passlogin.setForeground(Color.black);  passlogin.setBounds(62, 140, 220, 30);  passlogin.setBorder(TextField);    //LOGIN Button Designing  button.setFont(new Font("Plain", Font.BOLD, 15));  button.setBackground( Color.GREEN);  button.setForeground(Color.BLACK);  button.setBorder(buttonbrdr);  button.setBounds(110, 200, 120, 35);      //Button event of Login Button  button.addActionListener(new ActionListener() {  @Override  public void actionPerformed(ActionEvent e) {  //To change body of generated methods, choose Tools | Templates.  if(e.getSource()==button)  {      checkemail=emailTxtLogin.getText();  checkpass=passlogin.getText();    if((checkemail.trim().equalsIgnoreCase(Useremail)) &&(checkpass.trim().equalsIgnoreCase(Userpswrd)) )  {  JOptionPane.showMessageDialog(null,"Congratulations! Logged in SuccessFully " );  HomePage homePage = new HomePage();  frame.dispose();    }  else  {  JOptionPane.showMessageDialog(null, "Sorry! Account does'nt Exist ","ERROR",JOptionPane.ERROR\_MESSAGE);          }    }          }  });    //Adding Label to Frame      //Adding Components to the Label  frame.add(LOGIN);  frame.add(emailTxtLogin);  frame.add(UserEmail);  frame.add(password);  frame.add(passlogin);  frame.add(button);        frame.setVisible(true);            }  public void OwnerLogin()  {    //Frame properties  frame2.setLayout(null);  frame2.setSize(370, 300);  frame2.setDefaultCloseOperation(WindowConstants.HIDE\_ON\_CLOSE);  frame2.setLocation(400, 100);          //Designing Labels and Text Fields  ownerLg.setFont(new Font("Arial",Font.BOLD,20));  ownerLg.setBackground(new Color(0,0,0,80));  ownerLg.setForeground(Color.PINK);  ownerLg.setBounds(108, 0, 200, 30);  frame2.add(ownerLg);          UserEmail.setFont(new Font("Plain", Font.BOLD, 15));  UserEmail.setForeground(Color.BLACK);    UserEmail.setBounds(60, 40, 200, 22);  UserEmail.setText("Enter Your ID");  emailTxtOw.setFont(new Font("Arial", Font.ITALIC, 17));  emailTxtOw.setBackground(clr);  emailTxtOw.setForeground(Color.black);    emailTxtOw.setBounds(62, 70, 220, 30);  emailTxtOw.setBorder(TextField);    password.setFont(new Font("Plain", Font.BOLD, 15));  password.setForeground(Color.BLACK);  password.setBounds(60, 120, 200, 22);      passow.setFont(new Font("Arial", Font.ITALIC, 17));  passow.setBackground(clr);  passow.setForeground(Color.black);  passow.setBounds(62, 150, 220, 30);  passow.setBorder(TextField);    //Login Button  button1.setFont(new Font("Plain", Font.BOLD, 15));  button1.setBackground( Color.GREEN);  button1.setForeground(Color.BLACK);  button1.setBounds(110, 200, 120, 35);  button1.setBorder(buttonbrdr);      //Button event of Login Button  button1.addActionListener(new ActionListener() {  @Override  public void actionPerformed(ActionEvent e) {  //To change body of generated methods, choose Tools | Templates.  if(e.getSource()==button1)  {    checkownerId=emailTxtOw.getText();  checkownerpass=passow.getText();      if((checkownerId.trim().equalsIgnoreCase("admin")) &&(checkownerpass.trim().equalsIgnoreCase("787878")) )  {  JOptionPane.showMessageDialog(null,"Congratulations! Logged in SuccessFully " );  HomePage homePage = new HomePage(null);  frame2.dispose();    }  else  {  JOptionPane.showMessageDialog(null, "Sorry! Account does'nt Exist ","ERROR",JOptionPane.ERROR\_MESSAGE);          }    }          }  });      //Adding Label to Frame      //Adding Components to Label  frame2.add(UserEmail);  frame2.add(emailTxtOw);  frame2.add(password);  frame2.add(passow);  frame2.add(button1);        frame2.setVisible(true);        }          } |

ITEMS CLASS:

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| import java.awt.Color;  import java.awt.Font;    import java.awt.event.ActionEvent;  import java.awt.event.ActionListener;  import javax.swing.BorderFactory;  import javax.swing.DefaultListModel;    import javax.swing.JButton;  import javax.swing.JFrame;  import javax.swing.JLabel;  import javax.swing.JList;  import javax.swing.JOptionPane;  import javax.swing.JPanel;  import javax.swing.JScrollPane;  import javax.swing.WindowConstants;  import javax.swing.border.Border;    public class Items {      double s1;  static int ind=0, flag;      //Ceating Model for Lists  DefaultListModel model= new DefaultListModel();    //Creating Frame  JFrame itemsframe= new JFrame("Available Items");      //Creating panels  JPanel panel = new JPanel();  JPanel namepanel = new JPanel();    JScrollPane srlpn;      //Declaring JLists  JList Hlist,Slist,Ilist;        //Creating Labels  JLabel backgrnd = new JLabel();  JLabel Label1= new JLabel();  JLabel Label2 = new JLabel();      //Creating Buttons  JButton buy= new JButton("Buy");  JButton back = new JButton("Back");        //Creating Borders for Lables Panles and Buttons etc  Border brdr= BorderFactory.createLineBorder(Color.YELLOW, 3, true);  Border listbrdr= BorderFactory.createLineBorder(Color.blue, 3, true);  Border buttonbrdr= BorderFactory.createLineBorder(Color.MAGENTA, 3, true);    /\*\*  \*  \* @param a  \*/  public Items(int a)  {        //Frame Properties  itemsframe.setLayout(null);  itemsframe.setSize(1300, 700);  itemsframe.setDefaultCloseOperation(WindowConstants.HIDE\_ON\_CLOSE);  itemsframe.setLocation(50, 30);              //Designing Panles and Adding them to Labels  panel.setLayout(null);  panel.setBounds(150, 160,1000 , 450);  panel.setBackground(new Color(255,0,220,60));  itemsframe.add(panel);    namepanel.setLayout(null);  namepanel.setBounds(510, 20, 230, 120);    namepanel.setBackground(new Color(255,80,120,60));  namepanel.setBorder(brdr);  itemsframe.add(namepanel);      //Designing Labels  Label1.setText("H U A W E I");  Label1.setBounds(50, 5, 150,80);  Label1.setFont(new Font("Arial",Font.BOLD,20));  Label1.setForeground(Color.BLACK);  namepanel.add(Label1);    Label2.setText("PRODUCTS");  Label2.setBounds(65, 40, 150,80);  Label2.setFont(new Font("Arial",Font.BOLD,18));  Label2.setForeground(Color.YELLOW);  namepanel.add(Label2);        //Passing String Array to the Lists  //Adding List to the ScrollPanel  Hlist = new JList(Settings.Huawei);  srlpn = new JScrollPane(Hlist);  Hlist.setBackground(new Color(0,0,0));  Hlist.setFont(new Font("Arial", Font.PLAIN, 18));  Hlist.setForeground(Color.WHITE);  Hlist.setSelectionBackground(Color.YELLOW);  Hlist.setBorder(listbrdr);  Hlist.setSelectionForeground(Color.BLACK);  Hlist.setModel(model);    //Adding Strings Elements to the List  for (int n =0; n <Settings.Huawei.length; n++)  {  model.addElement(Settings.Huawei[n]);      }      panel.add(srlpn);  panel.setBorder(brdr);  srlpn.setBounds(50, 60,900, 295);      //Designing Buttons  buy.setFont(new Font("Arial",Font.BOLD,15));  buy.setBackground(Color.GREEN);  buy.setForeground(Color.BLACK);  buy.setBorder(buttonbrdr);  buy.setBounds(700, 380, 120,35);  panel.add(buy);    back.setFont(new Font("Arial",Font.BOLD,15));  back.setBackground(Color.RED);  back.setForeground(Color.BLACK);  back.setBorder(buttonbrdr);  back.setBounds(130, 380, 120,35);  panel.add(back);        //Button Event of Buy Button  buy.addActionListener(new ActionListener() {  @Override  public void actionPerformed(ActionEvent e) {    //To change body of generated methods, choose Tools | Templates.    if(e.getSource()==buy)  {    ind=Hlist.getSelectedIndex();  try{  if(ind !=0)  {  String passItem = (String) Hlist.getSelectedValue();  String price=Settings.priceH[ind];  Double passPrice = Double.parseDouble(price);    Order order = new Order(passItem, passPrice);  }  }  catch(ArrayIndexOutOfBoundsException ex)  {    JOptionPane.showMessageDialog(null,"Please Select a Product","ERROR",JOptionPane.ERROR\_MESSAGE);    }            }    }  });          //Button Event of Back Button  back.addActionListener(new ActionListener() {  @Override  public void actionPerformed(ActionEvent e) {  //To change body of generated methods, choose Tools | Templates.  if(e.getSource()==back)  {  ind=0;    itemsframe.dispose();  }  }  });              itemsframe.setVisible(true);        }  public Items(int a,int b)  {      //Frame Properties  itemsframe.setLayout(null);  itemsframe.setSize(1300, 700);  itemsframe.setDefaultCloseOperation(WindowConstants.EXIT\_ON\_CLOSE);  itemsframe.setLocation(50, 30);            //Designing Panles and Adding them to Labels  panel.setLayout(null);  panel.setBounds(150, 160,1000 , 450);  panel.setBackground(new Color(255,0,220,60));  panel.setBorder(brdr);  itemsframe.add(panel);        //Designing Labels  namepanel.setLayout(null);  namepanel.setBounds(510, 20, 230, 120);  namepanel.setBorder(brdr);  namepanel.setBackground(new Color(255,80,120,60));  itemsframe.add(namepanel);    Label1.setText("S A M S U N G");  Label1.setBounds(50, 5, 150,80);  Label1.setFont(new Font("Arial",Font.BOLD,20));  Label1.setForeground(Color.BLACK);  namepanel.add(Label1);    Label2.setText("PRODUCTS");  Label2.setBounds(65, 40, 150,80);  Label2.setFont(new Font("Arial",Font.BOLD,18));  Label2.setForeground(Color.YELLOW);  namepanel.add(Label2);        //Passing String Array to the Lists  //Adding List to the ScrollPanel  Slist = new JList(Settings.Samsung);  srlpn = new JScrollPane(Slist);  Slist.setBackground(new Color(0,0,0));  Slist.setFont(new Font("Arial", Font.PLAIN, 18));  Slist.setBorder(listbrdr);  Slist.setForeground(Color.WHITE);  Slist.setSelectionBackground(Color.YELLOW);  Slist.setSelectionForeground(Color.BLACK);  Slist.setModel(model);    //Adding Strings Elements to the List  for (int n =0; n <Settings.Samsung.length; n++)  {  model.addElement(Settings.Samsung[n]);      }      panel.add(srlpn);  srlpn.setBounds(50, 60,900, 295);      //Designing Buttons  buy.setFont(new Font("Arial",Font.BOLD,15));  buy.setBackground(Color.GREEN);  buy.setForeground(Color.BLACK);  buy.setBounds(700, 380, 120,35);  buy.setBorder(buttonbrdr);  panel.add(buy);    back.setFont(new Font("Arial",Font.BOLD,15));  back.setBackground(Color.RED);  back.setForeground(Color.BLACK);  back.setBorder(buttonbrdr);  back.setBounds(130, 380, 120,35);  panel.add(back);      //Button Event of Buy Button  buy.addActionListener(new ActionListener() {  @Override  public void actionPerformed(ActionEvent e) {    //To change body of generated methods, choose Tools | Templates.    if(e.getSource()==buy)  {  try{  ind=Slist.getSelectedIndex();    if(ind !=0)  {    String passItem = (String) Slist.getSelectedValue();  String price=Settings.priceS[ind];  Double passPrice = Double.parseDouble(price);    Order order = new Order(passItem, passPrice);    }  }  catch(ArrayIndexOutOfBoundsException ex)  {    JOptionPane.showMessageDialog(null,"Please Select a Product","ERROR",JOptionPane.ERROR\_MESSAGE);    }            }    }  });      //Button Event of Back Button  back.addActionListener(new ActionListener() {  @Override  public void actionPerformed(ActionEvent e) {  //To change body of generated methods, choose Tools | Templates.  if(e.getSource()==back)  {  ind=0;    itemsframe.dispose();  }  }  });        itemsframe.setVisible(true);                            }      public Items(int a, int b, int c)  {      //Frame Properties  itemsframe.setLayout(null);  itemsframe.setSize(1300, 700);  itemsframe.setDefaultCloseOperation(WindowConstants.EXIT\_ON\_CLOSE);  itemsframe.setLocation(50, 30);          //Designing Panles and Adding them to Labels  panel.setLayout(null);  panel.setBounds(150, 160,1000 , 450);  panel.setBackground(new Color(255,0,220,60));  panel.setBorder(brdr);  itemsframe.add(panel);        //Designing Labels  namepanel.setLayout(null);  namepanel.setBounds(510, 20, 230, 120);  namepanel.setBorder(brdr);  namepanel.setBackground(new Color(255,80,120,60));  itemsframe.add(namepanel);    Label1.setText(" I P H O N E");  Label1.setBounds(50, 5, 150,80);  Label1.setFont(new Font("Arial",Font.BOLD,20));  Label1.setForeground(Color.BLACK);  namepanel.add(Label1);    Label2.setText("PRODUCTS");  Label2.setBounds(65, 40, 150,80);  Label2.setFont(new Font("Arial",Font.BOLD,18));  Label2.setForeground(Color.YELLOW);  namepanel.add(Label2);      //Passing String Array to the Lists  //Adding List to the ScrollPanel  Ilist = new JList(Settings.Iphone);  srlpn = new JScrollPane(Ilist);  Ilist.setBackground(new Color(0,0,0));  Ilist.setFont(new Font("Arial", Font.PLAIN, 18));  Ilist.setBorder(listbrdr);  Ilist.setForeground(Color.WHITE);  Ilist.setSelectionBackground(Color.YELLOW);  Ilist.setSelectionForeground(Color.BLACK);  Ilist.setModel(model);    //Adding Strings Elements to the List  for (int n =0; n <Settings.Iphone.length; n++)  {  model.addElement(Settings.Iphone[n]);      }      panel.add(srlpn);  srlpn.setBounds(50, 60,900, 295);      //Designing Buttons  buy.setFont(new Font("Arial",Font.BOLD,15));  buy.setBackground(Color.GREEN);  buy.setForeground(Color.BLACK);  buy.setBounds(700, 380, 120,35);  buy.setBorder(buttonbrdr);  panel.add(buy);    back.setFont(new Font("Arial",Font.BOLD,15));  back.setBackground(Color.RED);  back.setForeground(Color.BLACK);  back.setBorder(buttonbrdr);  back.setBounds(130, 380, 120,35);  panel.add(back);      //Button Event of Buy Button  buy.addActionListener(new ActionListener() {  @Override  public void actionPerformed(ActionEvent e) {    //To change body of generated methods, choose Tools | Templates.    if(e.getSource()==buy)  {  try{  ind=Ilist.getSelectedIndex();    if(ind !=0)  {    String passItem = (String) Ilist.getSelectedValue();  String price=Settings.priceI[ind];  Double passPrice = Double.parseDouble(price);    Order order = new Order(passItem, passPrice);    }    }  catch(ArrayIndexOutOfBoundsException ex)  {    JOptionPane.showMessageDialog(null,"Please Select a Product","ERROR",JOptionPane.ERROR\_MESSAGE);    }            }    }  });      //Button Event of Back Button  back.addActionListener(new ActionListener() {  @Override  public void actionPerformed(ActionEvent e) {  //To change body of generated methods, choose Tools | Templates.  if(e.getSource()==back)  {  ind=0;    itemsframe.dispose();  }  }  });          itemsframe.setVisible(true);    }      } |

OREDER CLASS:

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| import java.awt.Color;  import java.awt.Font;    import java.awt.event.ActionEvent;  import java.awt.event.ActionListener;  import javax.swing.BorderFactory;  import javax.swing.ButtonGroup;  import javax.swing.JButton;  import javax.swing.JFrame;  import javax.swing.JLabel;  import javax.swing.JOptionPane;  import javax.swing.JPanel;  import javax.swing.JRadioButton;  import javax.swing.JTextArea;  import javax.swing.WindowConstants;  import javax.swing.border.Border;    public class Order {      //Creating frame  JFrame frame1= new JFrame("Payment Methods");    //Creating Text Field  JTextArea Area = new JTextArea("Item Details");    String Product;  Double price;    //Craeting panels  JPanel Itemdetails = new JPanel(null);  JPanel Pricedetails = new JPanel(null);  JPanel PayMethods = new JPanel(null);  JPanel Dtls= new JPanel(null);  JPanel onln = new JPanel(null);    //Creating Labels  JLabel itemdetails = new JLabel("Product Details");  JLabel dtls=new JLabel(" ID Name Price Specs");  JLabel payMethods = new JLabel("Paying Methods");  JLabel backgrnd = new JLabel();      //Creating Buttons  JButton proceed= new JButton("Proceed");  JButton onlnproceed= new JButton("Proceed");  JButton cancel = new JButton("Cancel");      //Creating radio buttons  JRadioButton Online =new JRadioButton("Online Methods");  JRadioButton creditcard=new JRadioButton("Credit Card ");  JRadioButton EasyPaisa =new JRadioButton("EasyPaisa");  JRadioButton JazzCash =new JRadioButton("JazzCash");    //Creating Borders for Lables Panles and Buttons etc  Border brdr= BorderFactory.createLineBorder(Color.YELLOW, 3, true);  Border panelbrdr= BorderFactory.createLineBorder(Color.BLACK, 3, true);  Border buttonbrdr= BorderFactory.createLineBorder(Color.MAGENTA, 3, true);    //Creating Two Button Groups  ButtonGroup grp2= new ButtonGroup();  ButtonGroup grp3 = new ButtonGroup();    public Order(String item, double price)  {    this.Product=item;  this.price=price;      //Frame Properties  frame1.setLayout(null);  frame1.setSize(1200, 700);  frame1.setDefaultCloseOperation(WindowConstants.HIDE\_ON\_CLOSE);  frame1.setLocation(50, 30);            //Desining labels, panels and Text fields  Itemdetails.setBounds(650, 110,165 , 50);  Itemdetails.setBackground(new Color(255, 0, 0, 80));  Itemdetails.setBorder(panelbrdr);  frame1.add(Itemdetails);        itemdetails.setFont(new Font("Plain", Font.BOLD, 20));  itemdetails.setForeground(Color.BLACK);  itemdetails.setBounds(10, 2, 165, 45);  Itemdetails.add(itemdetails);    Dtls.setBounds(400, 170,730 , 30);  Dtls.setBorder(brdr);  Dtls.setBackground(new Color(230, 0, 255, 50));  frame1.add(Dtls);    dtls.setBounds(10, 2, 730, 20);  dtls.setFont(new Font("Plain", Font.BOLD, 21));  dtls.setForeground(Color.BLACK);    Dtls.add(dtls);      Pricedetails.setBounds(910, 250,220 , 30);  Pricedetails.setBorder(buttonbrdr);  Pricedetails.setBackground(Color.BLACK);  frame1.add(Pricedetails);    JLabel pricedetails = new JLabel("Price is : "+price+" PKR");    pricedetails.setFont(new Font("Plain", Font.ITALIC, 18));  pricedetails.setForeground(Color.CYAN);      pricedetails.setBounds(5, 0, 220, 30);  Pricedetails.add(pricedetails);    PayMethods.setBorder(brdr);  PayMethods.setBounds(600, 300,250 , 200);  PayMethods.setBackground(new Color(228, 0, 224, 80));  frame1.add(PayMethods);    //Designing Buttons  onln.setBorder(buttonbrdr);  onln.setBounds(852, 340,130 , 90);  onln.setBackground(new Color(228, 0, 0, 80));  frame1.add(onln);    payMethods.setFont(new Font("Plain", Font.BOLD, 18));  payMethods.setForeground(Color.BLACK);      payMethods.setBounds(50, 0,170, 20);  PayMethods.add(payMethods);          Online.setFont(new Font("FF", Font.BOLD, 15));  Online.setForeground(Color.BLACK);  Online.setBounds(50,50 , 150, 35);  Online.setBackground(Color.GREEN);  PayMethods.add(Online);      EasyPaisa.setFont(new Font("FF", Font.BOLD, 15));  EasyPaisa.setForeground(Color.BLACK);  EasyPaisa.setBounds(4,4 , 128, 20);  EasyPaisa.setBackground(Color.YELLOW);  onln.add(EasyPaisa);    JazzCash.setFont(new Font("FF", Font.BOLD, 15));  JazzCash.setForeground(Color.WHITE);  JazzCash.setBounds(4,30 , 127, 20);  JazzCash.setBackground(Color.BLACK);  onln.add(JazzCash);    onlnproceed.setFont(new Font("Arial",Font.BOLD,13));  onlnproceed.setBackground(Color.GREEN);  onlnproceed.setForeground(Color.BLACK);  onlnproceed.setBounds(17, 60,90,25);  onlnproceed.setBorder(buttonbrdr);  onln.add(onlnproceed);    //Adding Radio Buttons to the Button Group  grp3.add(EasyPaisa);  grp3.add(JazzCash);            creditcard.setFont(new Font("FF", Font.BOLD, 15));  creditcard.setForeground(Color.BLACK);  creditcard.setBounds(50,120 , 150, 35);  creditcard.setBackground(Color.YELLOW);    PayMethods.add(creditcard);      //Adding Radio Buttons to the Button Group  grp2.add(creditcard);  grp2.add(Online);    Area.setBounds(400, 200, 730, 21);  Area.setFont(new Font("Arial", Font.BOLD, 15));  Area.setForeground(Color.GREEN);  Area.setBackground(Color.BLACK);  Area.setText(Product);        proceed.setFont(new Font("Arial",Font.BOLD,14));  proceed.setBackground(Color.GREEN);  proceed.setForeground(Color.BLACK);  proceed.setBounds(750, 515, 100,30);  proceed.setBorder(buttonbrdr);  frame1.add(proceed);      cancel.setFont(new Font("Arial",Font.BOLD,14));  cancel.setBackground(Color.RED);  cancel.setForeground(Color.BLACK);  cancel.setBorder(buttonbrdr);  cancel.setBounds(600, 515, 100,30);  frame1.add(cancel);      onln.setVisible(false);  frame1.add(Area);        frame1.setVisible(true);        //Button Event of Proceed Button  proceed.addActionListener(new ActionListener() {  @Override  public void actionPerformed(ActionEvent e) {        //To change body of generated methods, choose Tools | Templates.      if(e.getSource()==proceed)  {    if (creditcard.isSelected()) {    Payments payments = new Payments(Product,price);  frame1.dispose();  }    else if(Online.isSelected())  {  onln.setVisible(true);  onlnproceed.addActionListener(new ActionListener() {  @Override  public void actionPerformed(ActionEvent e) {  //To change body of generated methods, choose Tools | Templates.    if (EasyPaisa.isSelected())  {  Payments payments=new Payments(Product,price);  frame1.dispose();  }  else if(JazzCash.isSelected())  {  Payments payments=new Payments(Product,price);  frame1.dispose();  }    else  {    JOptionPane.showMessageDialog(null,"No Method is Selected","ERROR",JOptionPane.ERROR\_MESSAGE);    }  }  });    }      else  {  JOptionPane.showMessageDialog(null,"No Method is Selected","ERROR",JOptionPane.ERROR\_MESSAGE);  }    }          }  });        //Button Event of Cancel Button  cancel.addActionListener(new ActionListener() {  @Override  public void actionPerformed(ActionEvent e) {  if (e.getSource()==cancel)  {    frame1.dispose();  }    }  });  }        } |

PAYMENTS CLASS:

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| import java.awt.Color;  import java.awt.Font;    import java.awt.event.ActionEvent;  import java.awt.event.ActionListener;    import javax.swing.BorderFactory;    import javax.swing.JButton;  import javax.swing.JFrame;  import javax.swing.JLabel;  import javax.swing.JOptionPane;  import javax.swing.JPanel;  import javax.swing.JPasswordField;  import javax.swing.JTextArea;  import javax.swing.JTextField;  import javax.swing.Timer;  import javax.swing.WindowConstants;  import javax.swing.border.Border;    public class Payments {    //Object of Login Class  Login loginobj= new Login();      //Creating Borders for Lables Panles and Buttons etc  Border TextField = BorderFactory.createLineBorder(Color.RED, 1,true);  Border brdr= BorderFactory.createLineBorder(Color.YELLOW, 3, true);  Border panelbrdr= BorderFactory.createLineBorder(Color.RED, 3, true);  Border buttonbrdr= BorderFactory.createLineBorder(Color.MAGENTA, 3, true);      //Creating Page Frame  JFrame pgframe = new JFrame("Payments");    Double price;  String AccountNumber,Items;      //Creating panels  JPanel AccontLogin = new JPanel(null);  JPanel AccontDetails = new JPanel(null);            //Creating Labels  JLabel ACCPIN= new JLabel("ACCOUNT No: ");  JLabel PIN= new JLabel("PIN: ");  JLabel Username= new JLabel("Account Holder: ");  JLabel AccNo= new JLabel("Account No.: ");  JLabel Bill = new JLabel("Bill: ");  JLabel bill= new JLabel();  JLabel paying= new JLabel("Payment Details");  JLabel dtls=new JLabel(" ID Name Price Specs");  JLabel backgrnd = new JLabel();      //Creating Text Fields  JTextField username = new JTextField();  JTextField accNo = new JTextField();  JTextArea accpin= new JTextArea();  JPasswordField pin= new JPasswordField();      //Creating Buttons  JButton Login = new JButton("Login");  JButton confirm = new JButton("Confirm Payment");  JButton save = new JButton("Save and Exit");  JButton Track = new JButton("Track Order");      Timer timer;  int Seconds=0;    public Payments(String item,Double price)  {        //Frame Properties  this.Items=item;  this.price=price;  pgframe.setLayout(null);  pgframe.setSize(1200, 700);  pgframe.setDefaultCloseOperation(WindowConstants.HIDE\_ON\_CLOSE);  pgframe.setLocation(50, 30);            //Designing Labels and TextFields  AccontLogin.setBounds(20, 20, 340, 280);  AccontLogin.setBorder(brdr);  AccontLogin.setBackground(new Color(202,0,42,80));        ACCPIN.setFont(new Font("Plain", Font.BOLD, 18));  ACCPIN.setForeground(Color.YELLOW);  ACCPIN.setBounds(80, 40,140, 25);  AccontLogin.add(ACCPIN);    accpin.setBorder(TextField);  accpin.setFont(new Font("ARIal",Font.PLAIN,17));  accpin.setBounds(95, 70, 180, 35);  accpin.setBackground(Color.BLACK);  accpin.setForeground(Color.WHITE);      PIN.setFont(new Font("Plain", Font.BOLD, 18));  PIN.setForeground(Color.YELLOW);  PIN.setBounds(80, 120,100, 25);  AccontLogin.add(PIN);      pin.setBorder(TextField);  pin.setFont(new Font("ARIal",Font.PLAIN,19));  pin.setBounds(95, 150, 180, 35);  pin.setBackground(Color.BLACK);  pin.setForeground(Color.WHITE);      Login.setFont(new Font("Plain", Font.BOLD, 15));  Login.setBackground( Color.GREEN);  Login.setForeground(Color.BLACK);  Login.setBorder(buttonbrdr);  Login.setBounds(120, 210, 120, 35);      AccontDetails.setBounds(450, 100, 600, 400);  AccontDetails.setBackground(new Color(47,141, 255, 80));  AccontDetails.setBorder(panelbrdr);    paying.setBounds(200, 20, 200, 35);  paying.setForeground(Color.BLACK);  paying.setFont(new Font(" ",Font.ROMAN\_BASELINE,26));  paying.setBorder(brdr);  AccontDetails.add(paying);    Username.setFont(new Font("Plain", Font.BOLD, 18));  Username.setForeground(Color.YELLOW);  Username.setBounds(130, 100,200, 25);  AccontDetails.add(Username);    username.setBorder(TextField);  username.setFont(new Font("ARIal",Font.BOLD,18));  username.setBounds(145, 130, 200, 35);  username.setBackground(Color.BLACK);  username.setForeground(Color.WHITE);  username.setText(" "+loginobj.Username);  AccontDetails.add(username);      AccNo.setFont(new Font("Plain", Font.BOLD, 18));  AccNo.setForeground(Color.YELLOW);  AccNo.setBounds(130, 180,200, 25);  AccontDetails.add(AccNo);    accNo.setBorder(TextField);  accNo.setFont(new Font("ARIal",Font.BOLD,15));  accNo.setBounds(145, 210, 200, 35);  accNo.setBackground(Color.BLACK);  accNo.setForeground(Color.WHITE);    AccontDetails.add(accNo);      Bill.setFont(new Font("Plain", Font.BOLD, 18));  Bill.setForeground(Color.YELLOW);  Bill.setBounds(130, 260,100, 25);  AccontDetails.add(Bill);    bill.setFont(new Font("Plain", Font.BOLD, 18));  bill.setForeground(Color.BLACK);  bill.setBounds(160, 300,170, 30);  bill.setBorder(brdr);  bill.setText(" "+price+" PKR");  AccontDetails.add(bill);        //Designing Buttons  confirm.setFont(new Font("Plain", Font.BOLD, 15));  confirm.setBackground( Color.GREEN);  confirm.setForeground(Color.BLACK);  confirm.setBorder(buttonbrdr);  confirm.setBounds(390, 350, 200, 35);  AccontDetails.add(confirm);    AccontDetails.setVisible(false);  AccontLogin.add(accpin);  AccontLogin.add(pin);  AccontLogin.add(Login);  pgframe.add(AccontLogin);  pgframe.add(AccontDetails);      pgframe.setVisible(true);          //Button event of Login button  Login.addActionListener(new ActionListener() {  @Override  public void actionPerformed(ActionEvent e) {  //To change body of generated methods, choose Tools | Templates.    if(e.getSource()==Login)  {    AccountNumber =accpin.getText();  accNo.setText(" "+AccountNumber);    AccontLogin.setVisible(false);  AccontDetails.setVisible(true);  }  }  });    //Button event of Confirm Button  confirm.addActionListener(new ActionListener() {  @Override  public void actionPerformed(ActionEvent e) {        if (e.getSource()==confirm) {  JOptionPane.showMessageDialog(null,"Receipt Generated SuccessFully");  new Payments(Items,price,0);  pgframe.dispose();  }  }  });  }  public Payments(String catchItem, Double catchprice,int a)  {    String catchedproduct=catchItem;  Double catcehdprice = catchprice;        //Creating Frame  JFrame pgframe1= new JFrame();  pgframe1.setTitle("Receipt");  pgframe1.setLayout(null);  pgframe1.setSize(900, 700);  pgframe1.setDefaultCloseOperation(WindowConstants.HIDE\_ON\_CLOSE);  pgframe1.setLocation(50, 30);            //Desiging Labels, Panles and Text Fields  AccontDetails.setBounds(40, 30, 740, 600);  AccontDetails.setBackground(new Color(230,0, 255, 80));  AccontDetails.setBorder(panelbrdr);      ACCPIN.setFont(new Font("Plain", Font.BOLD, 18));  ACCPIN.setForeground(Color.BLACK);  ACCPIN.setText("RECEIPT DETAILS");    ACCPIN.setBounds(280, 30,170, 25);  ACCPIN.setBorder(brdr);  AccontDetails.add(ACCPIN);    Username.setFont(new Font("Plain", Font.BOLD, 20));  Username.setForeground(Color.BLACK);  Username.setText("NAME: ");    Username.setBounds(50, 100,150, 30);  AccontDetails.add(Username);        AccNo.setFont(new Font("Plain", Font.BOLD, 18));  AccNo.setForeground(Color.WHITE);  AccNo.setText(" "+loginobj.Username);  AccNo.setBorder(TextField);  AccNo.setBackground(Color.BLACK);  AccNo.setOpaque(true);  AccNo.setBounds(250, 100,220, 30);  AccontDetails.add(AccNo);        PIN.setFont(new Font("Plain", Font.BOLD, 20));  PIN.setForeground(Color.BLACK);  PIN.setText("CONTACT No.: ");    PIN.setBounds(50, 160,150, 30);  AccontDetails.add(PIN);      Bill.setFont(new Font("Plain", Font.BOLD, 18));  Bill.setForeground(Color.WHITE);  Bill.setText(" "+loginobj.Usercontact);  Bill.setBorder(TextField);  Bill.setBackground(Color.BLACK);  Bill.setOpaque(true);  Bill.setBounds(250, 160,220, 30);  AccontDetails.add(Bill);    JLabel adress = new JLabel();  adress.setFont(new Font("Plain", Font.BOLD, 20));  adress.setForeground(Color.BLACK);  adress.setText("Address: ");  AccontDetails.add(adress);  adress.setBounds(50, 220,150, 30);  AccontDetails.add(PIN);      bill.setFont(new Font("Plain", Font.BOLD, 18));  bill.setForeground(Color.WHITE);  bill.setText(" "+loginobj.Useradress);  bill.setBorder(TextField);  bill.setBackground(Color.BLACK);  bill.setOpaque(true);  bill.setBounds(250, 220,220, 30);  AccontDetails.add(bill);        dtls.setBounds(30, 280, 720, 20);  dtls.setFont(new Font("Plain", Font.BOLD, 18));      dtls.setForeground(Color.BLACK);  AccontDetails.add(dtls);    JLabel itemdetails= new JLabel();  itemdetails.setBounds(17, 310, 717, 25);  itemdetails.setFont(new Font("Plain", Font.PLAIN, 15));  itemdetails.setText(catchedproduct);  itemdetails.setBorder(TextField);  itemdetails.setBackground(Color.BLACK);  itemdetails.setOpaque(true);    itemdetails.setForeground(Color.CYAN);  AccontDetails.add(itemdetails);        JLabel amount= new JLabel("Ammount Paid:");    amount.setFont(new Font("Plain", Font.BOLD, 19));  amount.setForeground(Color.BLACK);      amount.setBounds(50,360 ,220, 30);  AccontDetails.add(amount);      JLabel price= new JLabel();    price.setFont(new Font("Plain", Font.BOLD | Font.ITALIC, 18));  price.setForeground(Color.WHITE);  price.setText(" "+catcehdprice+" PKR");  price.setBorder(TextField);  price.setBackground(Color.BLACK);  price.setOpaque(true);  price.setBounds(250, 360,220, 30);  AccontDetails.add(price);      JLabel Thanks= new JLabel("THANKS FOR SHOPPING");    Thanks.setFont(new Font("Plain", Font.BOLD, 20));  Thanks.setForeground(Color.BLACK);      Thanks.setBounds(235,460 ,245, 30);  Thanks.setBorder(TextField);  AccontDetails.add(Thanks);    JLabel Logo= new JLabel("A & S MOBILE STORE");    Logo.setFont(new Font("Plain", Font.BOLD, 19));  Logo.setForeground(Color.BLACK);      Logo.setBounds(500,490 ,220, 30);  AccontDetails.add(Logo);      //Designing Button  save.setFont(new Font("Plain", Font.BOLD, 15));  save.setBackground( Color.GREEN);  save.setForeground(Color.BLACK);  save.setBorder(buttonbrdr);  save.setBounds(100, 530, 170, 35);  AccontDetails.add(save);    //Designing Button  Track.setFont(new Font("Plain", Font.BOLD, 15));  Track.setBackground( Color.GREEN);  Track.setForeground(Color.BLACK);  Track.setBorder(buttonbrdr);  Track.setBounds(510, 530, 170, 35);  AccontDetails.add(Track);            pgframe1.add(AccontDetails);        pgframe1.setVisible(true);        //Button event of Save button  save.addActionListener(new ActionListener() {  @Override  public void actionPerformed(ActionEvent e) {  //To change body of generated methods, choose Tools | Templates.    if(e.getSource()==save)  {    JOptionPane.showMessageDialog(null,"Receipt Saved SuccessFully");  pgframe1.dispose();  System.exit(0);    }  }  });            Track.addActionListener(new ActionListener() {  @Override  public void actionPerformed(ActionEvent e) {  //To change body of generated methods, choose Tools | Templates.        new Payments(0);  }  });      }          public Payments(int a)  {    //Creating Frame  JFrame pgframe1= new JFrame();  pgframe1.setTitle("Receipt");  pgframe1.setLayout(null);  pgframe1.setSize(350, 200);  pgframe1.setDefaultCloseOperation(WindowConstants.DO\_NOTHING\_ON\_CLOSE);  pgframe1.setLocation(200, 100);  JLabel Name = new JLabel("Enter Product ID: ");  Name.setFont(new Font("Plain", Font.BOLD, 15));  Name.setForeground(Color.BLACK);  Name.setBounds(30, 10, 300, 50);      JTextField nameTxt= new JTextField();  nameTxt.setFont(new Font("Arial", Font.BOLD, 19));  nameTxt.setBackground(Color.BLACK);  nameTxt.setForeground(Color.white);  nameTxt.setBounds(110, 50, 100, 30);  nameTxt.setBorder(TextField);    JButton Track= new JButton("Track");  Track.setFont(new Font("Plain", Font.BOLD, 15));  Track.setBackground( Color.GREEN);  Track.setForeground(Color.BLACK);  Track.setBorder(buttonbrdr);  Track.setBounds(110, 85, 170, 35);    JButton Exit= new JButton("E X I T");  Exit.setFont(new Font("Plain", Font.BOLD, 15));  Exit.setBackground( Color.GREEN);  Exit.setForeground(Color.BLACK);  Exit.setBorder(buttonbrdr);  Exit.setBounds(110, 120, 170, 35);            Track.addActionListener(new ActionListener() {  @Override  public void actionPerformed(ActionEvent e) {  //To change body of generated methods, choose Tools | Templates.    if(e.getSource()==Track)  {          String proID=nameTxt.getText();  Double ProductId=Double.parseDouble(proID);    timer = new Timer(100,new ActionListener() {  @Override  public void actionPerformed(ActionEvent e) {  Seconds++;  }  });    timer.start();                if((ProductId>=0)&&(ProductId<100))  {      if((Seconds>=0)&&(Seconds<100))    JOptionPane.showMessageDialog(null,"Order Confirmed");        else if((Seconds>=101)&&(Seconds<300))    JOptionPane.showMessageDialog(null,"Order is Departing from Store");      else if((Seconds>=301)&&(Seconds<500))    JOptionPane.showMessageDialog(null,"Order is On the Way");      else if((Seconds>=501)&&(Seconds<1000000000))    JOptionPane.showMessageDialog(null,"Order picked Up");    }      else  {    JOptionPane.showMessageDialog(null, "Sorry! Enter a Valid Product ID ","ERROR",JOptionPane.ERROR\_MESSAGE);    }  }        }  });    Exit.addActionListener(new ActionListener() {  @Override  public void actionPerformed(ActionEvent e) {  //To change body of generated methods, choose Tools | Templates.    pgframe1.dispose();  pgframe.dispose();      }  });        pgframe1.add(Track);  pgframe1.add(Exit);  pgframe1.add(Name);  pgframe1.add(nameTxt);  pgframe1.setVisible(true);    }  } |

SETTINGS CLASS:

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| --- |
| import java.awt.Color;  import java.awt.Font;    import java.awt.event.ActionEvent;  import java.awt.event.ActionListener;  import javax.swing.BorderFactory;  import javax.swing.DefaultListModel;    import javax.swing.JButton;  import javax.swing.JFrame;  import javax.swing.JLabel;  import javax.swing.JList;  import javax.swing.JOptionPane;  import javax.swing.JPanel;  import javax.swing.JScrollPane;  import javax.swing.JTextField;  import javax.swing.WindowConstants;  import javax.swing.border.Border;    public class Settings {        //Creating Panels  JPanel panel = new JPanel();  JPanel namepanel = new JPanel();  JPanel addingitem= new JPanel();      //Creating Text Fields  JTextField idField = new JTextField();  JTextField nameField = new JTextField();  JTextField priceField= new JTextField();  JTextField specsField=new JTextField();      //Craeting Labels  JLabel backgrnd = new JLabel();  JLabel id= new JLabel("Product ID: ");  JLabel name=new JLabel("Product Name:");  JLabel price= new JLabel("Price:");  JLabel specs= new JLabel("Specs:");  JLabel Label1= new JLabel();  JLabel Label2 = new JLabel();        //Creating Buttons  JButton add= new JButton("Add Item");  JButton delete = new JButton("Delete Item");  JButton save= new JButton(" S A V E ");  JButton back= new JButton("B a c k");  JButton exit = new JButton("E X I T");  static JList Hlist, Slist, Ilist;        String itemadded,itemcatched;    //Creating Array Strings  static String [] priceH={"","157600","119999","99999","89999","74999","59999","40999","40000","39999","36999"};  static String[] Huawei ={" Product ID Product Name Product Price Product Specs"," 1 P30 Pro 157600 Display 6.4inches 8GB RAM 4200mAh"," 2 Mate 20 Pro 119999 Display 6.4inches 8GB RAM 4200mAh"," 3 P20 Pro 99999 Display 6.4inches 8GB RAM 4200mAh"," 4 P30 89999 Display 6.4inches 8GB RAM 4200mAh"," 5 Mate 10 Pro 74999 Display 6.4inches 8GB RAM 4200mAh"," 6 Nova 3 59999 Display 6.4inches 8GB RAM 4200mAh"," 7 Y9s 2019 40999 Display 6.4inches 8GB RAM 4200mAh"," 8 Honor 7 40000 Display 6.4inches 8GB RAM 4200mAh"," 9 P30 Lite 39999 Display 6.4inches 8GB RAM 4200mAh"," 10 Nova 3i 36999 Display 6.4inches 8GB RAM 4200mAh"};    static String [] priceS={"","219999","219999","189999","184999","170000","169999","164999","164999","144999","139999"};  static String[] Samsung ={" Product ID Product Name Product Price Product Specs"," 1 S10 Plus 219999 Display 6.4inches 12GB RAM 4100mAh"," 2 S20 Ultra 219999 Display 6.4inches 12GB RAM 4100mAh"," 3 Note10 Plus 189999 Display 6.4inches 12GB RAM 4100mAh"," 4 S20 Plus 184999 Display 6.4inches 12GB RAM 4100mAh"," 5 Note9 512GB 170000 Display 6.4inches 12GB RAM 4100mAh"," 6 Note10 169999 Display 6.4inches 12GB RAM 4100mAh"," 7 S20 164999 Display 6.4inches 12GB RAM 4100mAh"," 8 S10 Plus 164999 Display 6.4inches 12GB RAM 4100mAh"," 9 S10 144999 Display 6.4inches 12GB RAM 4100mAh"," 10 Note9 136999 Display 6.4inches 12GB RAM 4100mAh"};    static String [] priceI={"","149000","208000","157000","63050","224999","164999","166999","104999","100899","25799"};  static String[] Iphone ={" Product ID Product Name Product Price Product Specs"," 1 XR 149000 Display 6.4inches 6GB RAM 4000mAh"," 2 11 Pro 208000 Display 6.4inches 6GB RAM 4000mAh"," 3 11 157000 Display 6.4inches 6GB RAM 4000mAh"," 4 7 63050 Display 6.4inches 6GB RAM 4000mAh"," 5 11 Pro Max 224999 Display 6.4inches 6GB RAM 4000mAh"," 6 X 164999 Display 6.4inches 6GB RAM 4000mAh"," 7 XS Max 166999 Display 6.4inches 6GB RAM 4000mAh"," 8 8 Plus 104999 Display 6.4inches 6GB RAM 4000mAh"," 9 7 Plus 100899 Display 6.4inches 6GB RAM 4000mAh"," 10 5 25799 Display 6.4inches 6GB RAM 4000mAh"};        //Craeting Model for Lists  DefaultListModel model= new DefaultListModel();    int selected\_ind;      //Creating Borders for Lables Panles and Buttons etc  Border brdr= BorderFactory.createLineBorder(Color.YELLOW, 3, true);  Border listbrdr= BorderFactory.createLineBorder(Color.blue, 3, true);  Border buttonbrdr= BorderFactory.createLineBorder(Color.MAGENTA, 3, true);  Border TextField = BorderFactory.createLineBorder(Color.CYAN, 3,true);    //Creating Frame  JFrame settframe= new JFrame("ModiFying Items");  public Settings()  {      //Frame Properties  settframe.setLayout(null);  settframe.setSize(1300, 700);  settframe.setDefaultCloseOperation(WindowConstants.HIDE\_ON\_CLOSE);  settframe.setLocation(50, 30);          //Designing Panels  panel.setLayout(null);  panel.setBounds(320, 115,930 , 330);  panel.setBackground(new Color(255,0,220,60));  settframe.add(panel);    namepanel.setLayout(null);  namepanel.setBounds(645, 10, 230, 90);    namepanel.setBackground(new Color(255,80,120,60));  namepanel.setBorder(brdr);  settframe.add(namepanel);      //Designing Labels  Label1.setText("H U A W E I");  Label1.setBounds(50, 5, 150,60);  Label1.setFont(new Font("Arial",Font.BOLD,20));  Label1.setForeground(Color.WHITE);  namepanel.add(Label1);    Label2.setText("PRODUCTS");  Label2.setBounds(65, 30, 150,60);  Label2.setFont(new Font("Arial",Font.BOLD,18));  Label2.setForeground(Color.YELLOW);  namepanel.add(Label2);    //Passing String Array To List  Hlist = new JList(Huawei);    Hlist.setBackground(new Color(0,0,0));  Hlist.setFont(new Font("Arial", Font.PLAIN, 18));  Hlist.setForeground(Color.WHITE);  Hlist.setSelectionBackground(Color.YELLOW);  Hlist.setBorder(listbrdr);  Hlist.setSelectionForeground(Color.BLACK);  Hlist.setModel(model);    //Adding Elements of Strings To the List  for (int n =0; n <Huawei.length; n++)  {  model.addElement(Huawei[n]);      }  JScrollPane scrlpn = new JScrollPane(Hlist);        //Designing Buttons  back.setFont(new Font("Arial",Font.BOLD,15));  back.setBackground(Color.RED);  back.setForeground(Color.BLACK);  back.setBorder(buttonbrdr);  back.setBounds(440, 470, 120,35);  settframe.add(back);        delete.setFont(new Font("Arial",Font.BOLD,15));  delete.setBackground(Color.RED);  delete.setForeground(Color.BLACK);  delete.setBorder(buttonbrdr);  delete.setBounds(670, 470, 120,35);  settframe.add(delete);    add.setFont(new Font("Arial",Font.BOLD,15));  add.setBackground(Color.GREEN);  add.setForeground(Color.BLACK);  add.setBorder(buttonbrdr);  add.setBounds(800, 470, 120,35);  settframe.add(add);    exit.setFont(new Font("Arial",Font.BOLD,15));  exit.setBackground(Color.RED);  exit.setForeground(Color.YELLOW);  exit.setBorder(buttonbrdr);  exit.setBounds(1010, 470, 120,35);  settframe.add(exit);        //Designing Panel    addingitem.setLayout(null);  addingitem.setBounds(340, 510,900 , 140);  addingitem.setBackground(new Color(255, 0, 0, 80));  addingitem.setBorder(brdr);  settframe.add(addingitem);    //Designing Fields    id.setBounds(30,20, 130,25);  id.setFont(new Font("Arial",Font.BOLD,18));  id.setForeground(Color.YELLOW);  addingitem.add(id);    idField.setBounds(35, 55, 100,35);  idField.setFont(new Font("Arial",Font.BOLD,18));  idField.setBorder(buttonbrdr);  idField.setForeground(Color.BLACK);  addingitem.add(idField);    name.setBounds(270,20, 140,25);  name.setFont(new Font("Arial",Font.BOLD,18));  name.setForeground(Color.YELLOW);  addingitem.add(name);      nameField.setBounds(270, 55, 140,35);  nameField.setFont(new Font("Arial",Font.BOLD,18));  nameField.setBorder(buttonbrdr);  nameField.setForeground(Color.BLACK);  addingitem.add(nameField);    price.setBounds(465,20, 130,25);  price.setFont(new Font("Arial",Font.BOLD,18));  price.setForeground(Color.CYAN);  addingitem.add(price);    priceField.setBounds(460, 55, 100,35);  priceField.setFont(new Font("Arial",Font.BOLD,18));  priceField.setBorder(buttonbrdr);  priceField.setForeground(Color.BLACK);  addingitem.add(priceField);      specs.setBounds(620,20, 130,25);  specs.setFont(new Font("Arial",Font.BOLD,18));  specs.setForeground(Color.YELLOW);  addingitem.add(specs);    specsField.setBounds(610, 55, 250,35);  specsField.setFont(new Font("Arial",Font.BOLD,18));  specsField.setBorder(buttonbrdr);  specsField.setForeground(Color.BLACK);  addingitem.add(specsField);    save.setFont(new Font("Arial",Font.BOLD,15));  save.setBackground(Color.GREEN);  save.setForeground(Color.BLACK);  save.setBorder(TextField);  save.setBounds(250, 100, 400,25);  addingitem.add(save);    panel.add(scrlpn);  panel.setBorder(brdr);    scrlpn.setBounds(15, 15,900, 295);    addingitem.setVisible(false);  settframe.setVisible(true);      //Button event of Delete Button  delete.addActionListener(new ActionListener() {  @Override  public void actionPerformed(ActionEvent e) {    //To change body of generated methods, choose Tools | Templates.    if(e.getSource()==delete)  {  try{  selected\_ind=Hlist.getSelectedIndex();    if(selected\_ind !=0)  {  model.remove(selected\_ind);  }  }  catch(ArrayIndexOutOfBoundsException ex)  {    JOptionPane.showMessageDialog(null,"Please Select a Product","ERROR",JOptionPane.ERROR\_MESSAGE);    }            }    }  });        //Button event of Add button  add.addActionListener(new ActionListener() {  @Override  public void actionPerformed(ActionEvent e) {  //To change body of generated methods, choose Tools | Templates.  addingitem.setVisible(true);  }  });        //Button event of Save Button  save.addActionListener(new ActionListener() {  @Override  public void actionPerformed(ActionEvent e) {  //To change body of generated methods, choose Tools | Templates.      if(e.getSource()==save)  {  String str=" ";  str +=(idField.getText()+" "+nameField.getText()+" "+priceField.getText()+" "+specsField.getText());  model.addElement(str);  JOptionPane.showMessageDialog(null,"Product has been Added!");  addingitem.setVisible(false);  }    }  });          //Button event of Back button    back.addActionListener(new ActionListener() {  @Override  public void actionPerformed(ActionEvent e) {  //To change body of generated methods, choose Tools | Templates.      settframe.dispose();      }  });      //Button Event of Exit Button    exit.addActionListener(new ActionListener() {  @Override  public void actionPerformed(ActionEvent e) {  //To change body of generated methods, choose Tools | Templates.      System.exit(0);    }  });      }              public Settings(int a)  {  //Frame Properties  settframe.setLayout(null);  settframe.setSize(1300, 700);  settframe.setDefaultCloseOperation(WindowConstants.HIDE\_ON\_CLOSE);  settframe.setLocation(50, 30);            //Designing Panels  panel.setLayout(null);  panel.setBounds(320, 115,930 , 330);  panel.setBackground(new Color(255,0,220,60));  settframe.add(panel);    namepanel.setLayout(null);  namepanel.setBounds(645, 10, 230, 90);    namepanel.setBackground(new Color(255,80,120,60));  namepanel.setBorder(brdr);  settframe.add(namepanel);      //Designing Labels  Label1.setText("S A M S U N G");  Label1.setBounds(50, 5, 150,60);  Label1.setFont(new Font("Arial",Font.BOLD,20));  Label1.setForeground(Color.WHITE);  namepanel.add(Label1);    Label2.setText("PRODUCTS");  Label2.setBounds(65, 30, 150,60);  Label2.setFont(new Font("Arial",Font.BOLD,18));  Label2.setForeground(Color.YELLOW);  namepanel.add(Label2);    //Passing String Array to List  Slist = new JList(Samsung);    Slist.setBackground(new Color(0,0,0));  Slist.setFont(new Font("Arial", Font.PLAIN, 18));  Slist.setForeground(Color.WHITE);  Slist.setSelectionBackground(Color.YELLOW);  Slist.setBorder(listbrdr);  Slist.setSelectionForeground(Color.BLACK);  Slist.setModel(model);    //Adding Elements of Strings To List  for (int n =0; n <Samsung.length; n++)  {  model.addElement(Samsung[n]);      }  JScrollPane scrlpn = new JScrollPane(Slist);      //Designing Buttons    back.setFont(new Font("Arial",Font.BOLD,15));  back.setBackground(Color.RED);  back.setForeground(Color.BLACK);  back.setBorder(buttonbrdr);  back.setBounds(440, 470, 120,35);  settframe.add(back);    add.setFont(new Font("Arial",Font.BOLD,15));  add.setBackground(Color.GREEN);  add.setForeground(Color.BLACK);  add.setBorder(buttonbrdr);  add.setBounds(800, 470, 120,35);  settframe.add(add);    delete.setFont(new Font("Arial",Font.BOLD,15));  delete.setBackground(Color.RED);  delete.setForeground(Color.BLACK);  delete.setBorder(buttonbrdr);  delete.setBounds(670, 470, 120,35);  settframe.add(delete);    exit.setFont(new Font("Arial",Font.BOLD,15));  exit.setBackground(Color.RED);  exit.setForeground(Color.YELLOW);  exit.setBorder(buttonbrdr);  exit.setBounds(1010, 470, 120,35);  settframe.add(exit);    //Designing panel  addingitem.setLayout(null);  addingitem.setBounds(340, 510,900 , 140);  addingitem.setBackground(new Color(255, 0, 0, 80));  addingitem.setBorder(brdr);  settframe.add(addingitem);      //Designing Fields  id.setBounds(30,20, 130,25);  id.setFont(new Font("Arial",Font.BOLD,18));  id.setForeground(Color.YELLOW);  addingitem.add(id);    idField.setBounds(35, 55, 100,35);  idField.setFont(new Font("Arial",Font.BOLD,18));  idField.setBorder(buttonbrdr);  idField.setForeground(Color.BLACK);  addingitem.add(idField);    name.setBounds(270,20, 140,25);  name.setFont(new Font("Arial",Font.BOLD,18));  name.setForeground(Color.YELLOW);  addingitem.add(name);      nameField.setBounds(270, 55, 140,35);  nameField.setFont(new Font("Arial",Font.BOLD,18));  nameField.setBorder(buttonbrdr);  nameField.setForeground(Color.BLACK);  addingitem.add(nameField);    price.setBounds(465,20, 130,25);  price.setFont(new Font("Arial",Font.BOLD,18));  price.setForeground(Color.CYAN);  addingitem.add(price);    priceField.setBounds(460, 55, 100,35);  priceField.setFont(new Font("Arial",Font.BOLD,18));  priceField.setBorder(buttonbrdr);  priceField.setForeground(Color.BLACK);  addingitem.add(priceField);      specs.setBounds(620,20, 130,25);  specs.setFont(new Font("Arial",Font.BOLD,18));  specs.setForeground(Color.YELLOW);  addingitem.add(specs);    specsField.setBounds(610, 55, 250,35);  specsField.setFont(new Font("Arial",Font.BOLD,18));  specsField.setBorder(buttonbrdr);  specsField.setForeground(Color.BLACK);  addingitem.add(specsField);      //Designing Button  save.setFont(new Font("Arial",Font.BOLD,15));  save.setBackground(Color.GREEN);  save.setForeground(Color.BLACK);  save.setBorder(TextField);  save.setBounds(250, 100, 400,25);  addingitem.add(save);    panel.add(scrlpn);  panel.setBorder(brdr);    scrlpn.setBounds(15, 15,900, 295);    addingitem.setVisible(false);  settframe.setVisible(true);      //Button Event of Delete Button  delete.addActionListener(new ActionListener() {  @Override  public void actionPerformed(ActionEvent e) {    //To change body of generated methods, choose Tools | Templates.    if(e.getSource()==delete)  {  try{  selected\_ind=Slist.getSelectedIndex();    if(selected\_ind !=0)  {  model.remove(selected\_ind);  }  }  catch(ArrayIndexOutOfBoundsException ex)  {    JOptionPane.showMessageDialog(null,"Please Select a Product","ERROR",JOptionPane.ERROR\_MESSAGE);    }          }    }  });        //Button event of Add button  add.addActionListener(new ActionListener() {  @Override  public void actionPerformed(ActionEvent e) {  //To change body of generated methods, choose Tools | Templates.  addingitem.setVisible(true);  }  });    save.addActionListener(new ActionListener() {  @Override  public void actionPerformed(ActionEvent e) {  //To change body of generated methods, choose Tools | Templates.      if(e.getSource()==save)  {  String str=" ";  str +=(idField.getText()+" "+nameField.getText()+" "+priceField.getText()+" "+specsField.getText());  model.addElement(str);  JOptionPane.showMessageDialog(null,"Product has been Added!");  addingitem.setVisible(false);  }    }  });    //Button event of Back button    back.addActionListener(new ActionListener() {  @Override  public void actionPerformed(ActionEvent e) {  //To change body of generated methods, choose Tools | Templates.      settframe.dispose();      }  });      //Button Event of Exit Button    exit.addActionListener(new ActionListener() {  @Override  public void actionPerformed(ActionEvent e) {  //To change body of generated methods, choose Tools | Templates.      System.exit(0);    }  });      }        public Settings(int a,int b)  {  //Frame Properties  settframe.setLayout(null);  settframe.setSize(1300, 700);  settframe.setDefaultCloseOperation(WindowConstants.HIDE\_ON\_CLOSE);  settframe.setLocation(50, 30);            //Designing Panels  panel.setLayout(null);  panel.setBounds(320, 115,930 , 330);  panel.setBackground(new Color(255,0,220,60));  settframe.add(panel);    namepanel.setLayout(null);  namepanel.setBounds(645, 10, 230, 90);    namepanel.setBackground(new Color(255,80,120,60));  namepanel.setBorder(brdr);  settframe.add(namepanel);        //Designing Labels  Label1.setText(" I P H O N E");  Label1.setBounds(50, 5, 150,60);  Label1.setFont(new Font("Arial",Font.BOLD,20));  Label1.setForeground(Color.WHITE);  namepanel.add(Label1);    Label2.setText("PRODUCTS");  Label2.setBounds(65, 30, 150,60);  Label2.setFont(new Font("Arial",Font.BOLD,18));  Label2.setForeground(Color.YELLOW);  namepanel.add(Label2);        //Passing String Array to List  Ilist = new JList(Iphone);    Ilist.setBackground(new Color(0,0,0));  Ilist.setFont(new Font("Arial", Font.PLAIN, 18));  Ilist.setForeground(Color.WHITE);  Ilist.setSelectionBackground(Color.YELLOW);  Ilist.setBorder(listbrdr);  Ilist.setSelectionForeground(Color.BLACK);  Ilist.setModel(model);      //Adding String Elements TO List  for (int n =0; n <Iphone.length; n++)  {  model.addElement(Iphone[n]);      }  JScrollPane scrlpn = new JScrollPane(Ilist);      //Designing Buttons  back.setFont(new Font("Arial",Font.BOLD,15));  back.setBackground(Color.RED);  back.setForeground(Color.BLACK);  back.setBorder(buttonbrdr);  back.setBounds(440, 470, 120,35);  settframe.add(back);    add.setFont(new Font("Arial",Font.BOLD,15));  add.setBackground(Color.GREEN);  add.setForeground(Color.BLACK);  add.setBorder(buttonbrdr);  add.setBounds(800, 470, 120,35);  settframe.add(add);    delete.setFont(new Font("Arial",Font.BOLD,15));  delete.setBackground(Color.RED);  delete.setForeground(Color.BLACK);  delete.setBorder(buttonbrdr);  delete.setBounds(670, 470, 120,35);  settframe.add(delete);    exit.setFont(new Font("Arial",Font.BOLD,15));  exit.setBackground(Color.RED);  exit.setForeground(Color.YELLOW);  exit.setBorder(buttonbrdr);  exit.setBounds(1010, 470, 120,35);  settframe.add(exit);        //Designing panel  addingitem.setLayout(null);  addingitem.setBounds(340, 510,900 , 140);  addingitem.setBackground(new Color(255, 0, 0, 80));  addingitem.setBorder(brdr);  settframe.add(addingitem);      //Designing Fields  id.setBounds(30,20, 130,25);  id.setFont(new Font("Arial",Font.BOLD,18));  id.setForeground(Color.YELLOW);  addingitem.add(id);    idField.setBounds(35, 55, 100,35);  idField.setFont(new Font("Arial",Font.BOLD,18));  idField.setBorder(buttonbrdr);  idField.setForeground(Color.BLACK);  addingitem.add(idField);    name.setBounds(270,20, 140,25);  name.setFont(new Font("Arial",Font.BOLD,18));  name.setForeground(Color.YELLOW);  addingitem.add(name);      nameField.setBounds(270, 55, 140,35);  nameField.setFont(new Font("Arial",Font.BOLD,18));  nameField.setBorder(buttonbrdr);  nameField.setForeground(Color.BLACK);  addingitem.add(nameField);    price.setBounds(465,20, 130,25);  price.setFont(new Font("Arial",Font.BOLD,18));  price.setForeground(Color.CYAN);  addingitem.add(price);    priceField.setBounds(460, 55, 100,35);  priceField.setFont(new Font("Arial",Font.BOLD,18));  priceField.setBorder(buttonbrdr);  priceField.setForeground(Color.BLACK);  addingitem.add(priceField);      specs.setBounds(620,20, 130,25);  specs.setFont(new Font("Arial",Font.BOLD,18));  specs.setForeground(Color.YELLOW);  addingitem.add(specs);    specsField.setBounds(610, 55, 250,35);  specsField.setFont(new Font("Arial",Font.BOLD,18));  specsField.setBorder(buttonbrdr);  specsField.setForeground(Color.BLACK);  addingitem.add(specsField);    save.setFont(new Font("Arial",Font.BOLD,15));  save.setBackground(Color.GREEN);  save.setForeground(Color.BLACK);  save.setBorder(TextField);  save.setBounds(250, 100, 400,25);  addingitem.add(save);    panel.add(scrlpn);  panel.setBorder(brdr);    scrlpn.setBounds(15, 15,900, 295);    addingitem.setVisible(false);  settframe.setVisible(true);      //Button Event of Delete Button  delete.addActionListener(new ActionListener() {  @Override  public void actionPerformed(ActionEvent e) {    //To change body of generated methods, choose Tools | Templates.    if(e.getSource()==delete)  {  try{  selected\_ind=Ilist.getSelectedIndex();    if(selected\_ind !=0)  {  model.remove(selected\_ind);  }    }  catch(ArrayIndexOutOfBoundsException ex)  {    JOptionPane.showMessageDialog(null,"Please Select a Product","ERROR",JOptionPane.ERROR\_MESSAGE);    }          }    }  });        //Button Event of Add button  add.addActionListener(new ActionListener() {  @Override  public void actionPerformed(ActionEvent e) {  //To change body of generated methods, choose Tools | Templates.  addingitem.setVisible(true);  }  });    save.addActionListener(new ActionListener() {  @Override  public void actionPerformed(ActionEvent e) {  //To change body of generated methods, choose Tools | Templates.      if(e.getSource()==save)  {  String check=idField.getText();  if(check.equals(null))  {    JOptionPane.showMessageDialog(null,"Please Add a Product","ERROR",JOptionPane.ERROR\_MESSAGE);  }  else{    String str=" ";  str +=(idField.getText()+" "+nameField.getText()+" "+priceField.getText()+" "+specsField.getText());  model.addElement(str);  JOptionPane.showMessageDialog(null,"Product has been Added!");  addingitem.setVisible(false);    }  }    }  });          //Button event of Back button    back.addActionListener(new ActionListener() {  @Override  public void actionPerformed(ActionEvent e) {  //To change body of generated methods, choose Tools | Templates.      settframe.dispose();      }  });      //Button Event of Exit Button    exit.addActionListener(new ActionListener() {  @Override  public void actionPerformed(ActionEvent e) {  //To change body of generated methods, choose Tools | Templates.      System.exit(0);    }  });      }          } |