



**Gopalan College**  
**of Engineering and Management**

(An ISO 9001:2015 Certified Institution)

(Approved by AICTE, New Delhi & Affiliated to VTU, Belegavi, Karnataka) 181/1, 182/1,  
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**Department of Computer Science and Engineering**

**Assignment – 3**

**Object Oriented Concepts / 18CS45**

**ONLINE SHOPPING**

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# Implementation

## For Homepage

```
package OnlineShopApplet;

import OnlineShopApplet.*;

import javax.swing.*;

import java.applet.*;

import java.awt.*;

import java.awt.event.*;

import java.awt.image.ImageProducer;

/*<applet code="Login" width=400 height=400></applet>*/

public class OnlineShop extends JApplet{

    JTabbedPane tabbedPane;

    JLabel j1,j;JButton b1,b2;

    ImageIcon i= new ImageIcon("C:\\Users\\hp\\OneDrive\\Desktop\\pics\\s1.jpg");

    ImageIcon i1= new ImageIcon("C:\\Users\\hp\\OneDrive\\Desktop\\pics\\s2.jpg");

    ImageIcon i2= new ImageIcon("C:\\Users\\hp\\OneDrive\\Desktop\\pics\\boys1.jpg");

    ImageIcon i3= new ImageIcon("C:\\Users\\hp\\OneDrive\\Desktop\\pics\\boys2.jpg");

    ImageIcon i4= new ImageIcon("C:\\Users\\hp\\OneDrive\\Desktop\\pics\\girl1.jpg");

    ImageIcon i5= new ImageIcon("C:\\Users\\hp\\OneDrive\\Desktop\\pics\\girl2.jpg");

    ImageIcon i6= new ImageIcon("C:\\Users\\hp\\OneDrive\\Desktop\\pics\\Saree.png");

    public void init()

    {

        ImageIcon i7= new ImageIcon("C:\\Users\\hp\\OneDrive\\Desktop\\pics\\home.jpg");

        setLayout(null);

        getContentPane().setBackground(Color.blue);
```

```

this.setSize(new Dimension(2000,2000));

final JLabel j1= new JLabel("PRINCE FASHION");

j1.setFont(new Font("Algerian", Font.BOLD, 99));

j1.setForeground(Color.white);

j1.setBounds(0,1, 1000, 200);

add(j1);


final JTabbedPane tabbedPane = new JTabbedPane(JTabbedPane.TOP);
JTabbedPane tabbedPane_0 = new JTabbedPane(JTabbedPane.RIGHT);
    JTabbedPane tabbedPane_1 = new JTabbedPane(JTabbedPane.RIGHT);
        JTabbedPane tabbedPane_2 = new JTabbedPane(JTabbedPane.RIGHT);
            JTabbedPane tabbedPane_3 = new JTabbedPane(JTabbedPane.RIGHT);
                JTabbedPane tabbedPane_4 = new JTabbedPane(JTabbedPane.RIGHT);

tabbedPane.setFont(new Font("Algerian", Font.PLAIN, 99));
tabbedPane.addTab("Home", null, tabbedPane_0);
                    tabbedPane.addTab("Men", null, tabbedPane_1);
                        tabbedPane.addTab("Women", null, tabbedPane_2);
                            tabbedPane.addTab("Boys", null,
tabbedPane_3);
                                tabbedPane.addTab("Girls", null,
tabbedPane_4);

getContentPane().add(tabbedPane, BorderLayout.NORTH);

tabbedPane.setBounds(0, 150, 2000, 800);


JButton b= new JButton("WELCOMES YOU",i7);

b.setForeground(Color.BLUE);

b.setFont(new Font("Algerian", Font.ITALIC, 120));

b.setBackground(new Color(255, 255, 255));

tabbedPane_0.addTab("Home",i7, b, null);


JButton b0= new JButton("<html> Rs-1800/<br>BuyNow",i);JButton b5= new JButton("<html> Rs-
2800/<br>BuyNow",i1);    JButton b6= new JButton("<html> Rs-3800/<br>BuyNow",i2);    JButton
b7= new JButton("<html>Rs-2800/<br>BuyNow",i3);    JButton b8= new JButton("<html> Rs-2800/<
br>BuyNow",i4); JButton b9= new JButton("<html> Rs-2800/<br>BuyNow",i5);    JButton b10= new
JButton("<html> Rs-3800/<br>BuyNow",i6);

```

```

        b0.setFont(new Font("Algerian", Font.PLAIN, 60));
        b5.setFont(new Font("Algerian", Font.PLAIN, 50));
        b6.setFont(new Font("Algerian", Font.PLAIN, 50));
        b7.setFont(new Font("Algerian", Font.PLAIN, 50));
        b8.setFont(new Font("Algerian", Font.PLAIN, 50));
        b9.setFont(new Font("Algerian", Font.PLAIN, 50));
        b10.setFont(new Font("Algerian", Font.PLAIN, 50));

        b0.setBackground(new Color(255, 255, 255));
        b5.setBackground(new Color(255, 255, 255));
        b6.setBackground(new Color(255, 255, 255));
        b7.setBackground(new Color(255, 255, 255));
        b8.setBackground(new Color(255, 255, 255));
        b9.setBackground(new Color(255, 255, 255));
        b10.setBackground(new Color(255, 255, 255));

        tabbedPane_1.addTab("Shirts", i, b0, null);
        tabbedPane_1.addTab("Shirts", i1, b5, null);
        tabbedPane_3.addTab("Boys", i2, b6, null);
        tabbedPane_3.addTab("Boys", i3, b7, null);
        tabbedPane_4.addTab("Girls", i4, b8, null);
        tabbedPane_4.addTab("Girls", i5, b9, null);
        tabbedPane_2.addTab("Girls", i6, b10, null);

        final JButton b1 = new JButton("<html><h2>Login");
        final JButton b2 = new JButton("<html><h2>SingUp");

        b1.setBounds(1500,100,190,55);
        b2.setBounds(1700,100,190,55);

        add(b1);
        add(b2);

        b1.addActionListener(new ActionListener()
        {
            public void actionPerformed(ActionEvent ae)
            {
                tabbedPane.hide();j1.hide();

                b1.hide();b2.hide();

                Login r1= new Login();

                r1.init();

                add(r1,null);
            }
        }
    }

```

```
}  
});  
  
b0.addActionListener(new ActionListener()  
{  
    public void actionPerformed(ActionEvent ae)  
    {  
        tabbedPane.hide();j1.hide();  
        b1.hide();b2.hide();  
        Login r1= new Login();  
        r1.init();  
        add(r1,null);  
    }  
});  
  
b5.addActionListener(new ActionListener()  
{  
    public void actionPerformed(ActionEvent ae)  
    {  
        tabbedPane.hide();j1.hide();  
        b1.hide();b2.hide();  
        Login r1= new Login();  
        r1.init();  
        add(r1,null);  
    }  
});  
  
b6.addActionListener(new ActionListener()  
{  
    public void actionPerformed(ActionEvent ae)  
    {
```

```
        tabbedPane.hide();j1.hide();

        b1.hide();b2.hide();

        Login r1= new Login();

        r1.init();

        add(r1,null);

        Billing b1= new Billing();

        b1.init();

        add(b1,null);

    }

});

b7.addActionListener(new ActionListener()

{

    public void actionPerformed(ActionEvent ae)

    {

        tabbedPane.hide();j1.hide();

        b1.hide();b2.hide();

        Login r1= new Login();

        r1.init();

        add(r1,null);

    }

});

b8.addActionListener(new ActionListener()

{

    public void actionPerformed(ActionEvent ae)

    {

        tabbedPane.hide();j1.hide();

        b1.hide();b2.hide();

        Login r1= new Login();
```

```
        r1.init();
        add(r1,null);
    }
});
b9.addActionListener(new ActionListener()
{
    public void actionPerformed(ActionEvent ae)
    {
        tabbedPane.hide();j1.hide();
        b1.hide();b2.hide();
        Login r1= new Login();
        r1.init();
        add(r1,null);
    }
});
b10.addActionListener(new ActionListener()
{
    public void actionPerformed(ActionEvent ae)
    {
        tabbedPane.hide();j1.hide();
        b1.hide();b2.hide();
        Login r1= new Login();
        r1.init();
        add(r1,null);
    }
});
b1.addActionListener(new ActionListener()
{
```

```

public void actionPerformed(ActionEvent ae)
{
    tabbedPane.hide();j1.hide();

    b1.hide();b2.hide();

    Login r1= new Login();
    r1.init();
    add(r1,null);
}

});

b0.addActionListener(new ActionListener()
{
    public void actionPerformed(ActionEvent ae)
    {
        tabbedPane.hide();j1.hide();

        b1.hide();b2.hide();

        Login r1= new Login();
        r1.init();
        add(r1,null);
    }
});

b5.addActionListener(new ActionListener()
{
    public void actionPerformed(ActionEvent ae)
    {
        tabbedPane.hide();j1.hide();

        b1.hide();b2.hide();

        Login r1= new Login();
        r1.init();
    }
});

```



```

        add(r1,null);
    }
});
b2.addActionListener(new ActionListener()
{
    public void actionPerformed(ActionEvent ae)
    {
        tabbedPane.hide();j1.hide();
        b1.hide();b2.hide();
        Register r1= new Register();
        r1.init();
        add(r1,null);
    }
});
}
}

```

## For Billing Page

```

package OnlineShopApplet;
import javax.swing.*;
import java.applet.Applet;
import java.awt.*;
import java.awt.event.*;
/*<applet code="Login" width=2000 height=2000></applet>*/
public class Billing extends JApplet {
    JLabel jlab=new JLabel();
    JCheckBox r1=new JCheckBox();

```

```

int i,p,q,r;

public void init()
{

    setLayout(null);

    getContentPane().setBackground(Color.cyan);

    this.setSize(new Dimension(2000,2000));

    final JLabel j1=new JLabel("Enter Shipping Details & place Order");

    j1.setFont(new Font("Algerian", Font.BOLD, 39));

    j1.setBounds(550,75,1000,50);

    add(j1);


    final JLabel j2=new JLabel("<html><h1>Name");
    final JTextField t1=new JTextField(20);

    j2.setBounds(600,150,260,50);
        t1.setBounds(950,165,250,25);

    add(j2);

                                add(t1);//store(t1);


    final JLabel j3=new JLabel("<html><h1>Phone No");
    final JTextField t2=new JTextField(20);

    j3.setBounds(600,200,260,50);
        t2.setBounds(950,215,250,25);

    add(j3);

                                add(t2);


    final JLabel j4=new JLabel("<html><h1>Select Product");
    Choice ch1=new Choice();
    ch1.add("Shirt1 Rs-1800/-"); ch1.add("Saree Rs-3800/-");
    ch1.add("Boys1 Rs-3800/-");

    j4.setBounds(600,250,260,50);
        ch1.setBounds(950,265,250,25);
        ch1.add("Shirt2 Rs-2800/-");
    ch1.add("Boys1 Rs-2800/-"); ch1.add("Girls Rs-2800/-");
    final

```

```

add(j4);

                                add(ch1);
                                ch1.add("Girls2 Rs-3800/-");

final JLabel j5=new JLabel("<html><h1>Price");
final JTextField t3=new JTextField(20);

j5.setBounds(600,300,260,50);
                                t3.setBounds(950,315,250,25);

add(j5);

                                add(t3);

final JLabel j6=new JLabel("<html><h1>Quantity");
final Choice ch2=new Choice();

j6.setBounds(600,350,260,50);
                                ch2.setBounds(950,365,250,25);

add(j6);

                                add(ch2);
                                for(i=1;i<=10;i++)

                                ch2.add(String.valueOf(i));

final JLabel j7=new JLabel("<html><h1>Enter your Address");
final JTextField t5=new JTextField(20);

j7.setBounds(600,400,260,50);
                                t5.setBounds(950,415,250,75);

add(j7);

                                add(t5);

final JButton b1=new JButton("Confirm Order");

b1.setBounds(1000,500,150,25);

add(b1);

b1.addActionListener(new ActionListener()
{

```

```

public void actionPerformed(ActionEvent ae)
{
    setLayout(null);

    getContentPane().setBackground(Color.white);

    setSize(new Dimension(1500,700));

    j1.hide();j2.hide();j3.hide();j4.hide();j5.hide();j6.hide();j7.hide();

    b1.hide();t1.hide();t2.hide();t3.hide();t5.hide();ch1.hide();ch2.hide();

    p=Integer.parseInt(t3.getText());

    q=Integer.parseInt(ch2.getSelectedItem());

    r=p*q;

    JLabel a0=new JLabel("Invoice Details");

    a0.setFont(new Font("Algerian", Font.BOLD,
59));a0.setForeground(Color.BLUE);

    a0.setBounds(550,75,1000,50);

    add(a0);

    for(int i=0;i<1000;i+=25) {

        JLabel a1=new JLabel("");

        a1.setFont(new Font("Algerian", Font.BOLD, 39));

        a1.setBounds(i+250,105,1983,150);

        add(a1);

    }

    JLabel a=new JLabel("Name -");
    JLabel a1=new JLabel(t1.getText());

    a.setFont(new Font("Algerian", Font.BOLD, 39));
a1.setFont(new Font("Algerian", Font.BOLD, 49));

    a.setBounds(300,150,250,150);
a1.setBounds(600,150,250,150);

    add(a);

                                add(a1);

```

```

JLabel b=new JLabel("Address -");
JLabel b1=new JLabel(t5.getText());

b.setFont(new Font("Algerian", Font.BOLD, 39));
b1.setFont(new Font("Algerian", Font.BOLD, 49));

b.setBounds(300,200,250,150);
b1.setBounds(600,200,250,150);

add(b);
add(b1);

JLabel c=new JLabel("Phone No -");
JLabel c1=new JLabel(t2.getText());

c.setFont(new Font("Algerian", Font.BOLD, 39));
c1.setFont(new Font("Algerian", Font.BOLD, 49));

c.setBounds(300,250,250,150);
c1.setBounds(600,250,250,150);

add(c);
add(c1);

JLabel f=new JLabel("Product -");
JLabel f1=new JLabel(ch1.getSelectedItemAt());

f.setFont(new Font("Algerian", Font.BOLD, 39));
f1.setFont(new Font("Algerian", Font.BOLD, 49));

f.setBounds(500,300,250,150);
f1.setBounds(800,300,660,150);

add(f);
add(f1);

JLabel g=new JLabel("Quantity -");
JLabel g1=new JLabel(ch2.getSelectedItemAt());

g.setFont(new Font("Algerian", Font.BOLD, 39));
g1.setFont(new Font("Algerian", Font.BOLD, 49));

g.setBounds(500,350,250,150);
g1.setBounds(800,350,660,150);

add(g);
add(g1);

```

```

for(int i=0;i<1000;i+=25) {

    JLabel a3=new JLabel("-");

    a3.setFont(new Font("Algerian", Font.BOLD, 39));

    a3.setBounds(i+250,375,1983,150);

    add(a3);

}

JLabel d=new JLabel("Total Amount-"+String.valueOf(r));

d.setFont(new Font("Algerian", Font.BOLD, 29));

d.setBounds(600,400,450,150);

add(d);

for(int i=0;i<1000;i+=25) {

    JLabel a2=new JLabel("*");

    a2.setFont(new Font("Algerian", Font.BOLD, 39));

    a2.setBounds(i+250,445,1983,150);

    add(a2);

}

JLabel g2=new JLabel(".....Thankyou for Shopping.....");

g2.setFont(new Font("Algerian", Font.BOLD, 29));

g2.setBounds(400,490,650,150);

add(g2);

};

});

}

}

```

# For Register Page

```
package OnlineShopApplet;

import javax.swing.*;
import java.awt.*;
import java.awt.event.*;

/*<applet code="Register" width=2000 height=2000></applet>*/

public class Register extends JApplet
{
    int i=0;

    String[] name = null,email=null,phone=null,password=null;

    public JTextField t1;

    public void init()
    {

        setLayout(null);

        getContentPane().setBackground(Color.magenta);

        this.setSize(new Dimension(2000,2000));

        final JLabel j1=new JLabel("Registration Form");

        j1.setFont(new Font("Algerian", Font.BOLD, 69));

        j1.setBounds(550,75,1000,50);

        add(j1);


        final JLabel j2=new JLabel("<html><h1>Enter your name");
        final JTextField t1=new JTextField(20);

        j2.setBounds(600,150,260,50);
        t1.setBounds(950,165,250,25);

        add(j2);

        add(t1);//store(t1);


        final JLabel j3=new JLabel("<html><h1>Email id");
        final JTextField t2=new JTextField(20);
```

```

j3.setBounds(600,200,260,50);
    t2.setBounds(950,215,250,25);

add(j3);

add(t2);

final JLabel j4=new JLabel("<html><h1>Phone No");
    final JTextField t3=new JTextField(20);

j4.setBounds(600,250,260,50);
    t3.setBounds(950,265,250,25);

add(j4);

add(t3);

final JLabel j5=new JLabel("<html><h1>Enter New Password");
final JPasswordField t4=new JPasswordField(20);

j5.setBounds(600,300,260,50);
    t4.setBounds(950,315,250,25);

add(j5);

add(t4);

final JLabel j6=new JLabel("<html><h1>Confirm Password");
    final JPasswordField t5=new JPasswordField(20);

j6.setBounds(600,350,260,50);
    t5.setBounds(950,365,250,25);

add(j6);

add(t5);

final JCheckBox c1=new JCheckBox("");
    final JLabel j7=new JLabel("<html><h2><i>I accept terms &
conditions");

c1.setBounds(700,400,20,20);
    j7.setBounds(730,230,360,360);

add(c1);

add(j7);

```



```

final JButton b1=new JButton("<html><h2>Submit");
                                final JButton b2=new JButton("<html><h2>Back to Home");

b1.setBounds(1000,425,150,25);
                                b2.setBounds(0,5,190,25);

add(b1);

                                add(b2);

b1.addActionListener(new ActionListener()
{
    public void actionPerformed(ActionEvent ae)
    {
        j1.hide();j2.hide();j3.hide();j4.hide();j5.hide();j6.hide();j7.hide();b1.hide();
        t1.hide();t2.hide();t3.hide();t5.hide();t4.hide();j6.hide();b1.hide();c1.hide();

        Billing r1= new Billing();

        r1.init();

        add(r1,null);

    }
});

b2.addActionListener(new ActionListener()
{
    public void actionPerformed(ActionEvent ae)
    {
        j1.hide();j2.hide();j3.hide();j4.hide();j5.hide();j6.hide();j7.hide();b1.hide();

t1.hide();t2.hide();t3.hide();t5.hide();t4.hide();j6.hide();b1.hide();c1.hide();b2.hide();

        OnlineShop r1= new OnlineShop();

        r1.init();

        add(r1,null);

    }
});

```

}

}

## For Login Page

```
package OnlineShopApplet;

import javax.swing.*;
import java.applet.*;
import java.awt.*;
import java.awt.event.*;

/*<applet code="Login" width=400 height=600></applet>*/

public class Login extends JApplet
{JLabel j3=new JLabel();

    public void init()
    {
        final String pass[]= {"a1","b2","c3"};

        setLayout(null);

        getContentPane().setBackground(Color.pink);

        this.setSize(new Dimension(2000,2000));

        final JLabel j1=new JLabel("<html><h1>Enter your name");
        final JTextField t1=new JTextField(20);

        j1.setBounds(700,95,200,30);
        t1.setBounds(950,100,200,25);

        add(j1);
        add(t1);

        final JLabel j2=new JLabel("<html><h1>Enter your password");
        final JPasswordField t2=new JPasswordField(20);

        j2.setBounds(700,140,250,50);
        t2.setBounds(950,155,200,25);
```

**add(j2);**

**add(t2);**

**final JButton b1 =new JButton("<html><h2>Back to home");**

**final JButton b2 =new JButton("<html><h2>Login");**

**b1.setBounds(0,0,190,25);**

**b2.setBounds(1000,200,90,25);**

**add(b1);**

**add(b2);**

**b2.addActionListener(new ActionListener()**

**{**

**public void actionPerformed(ActionEvent ae)**

**{**

**j1.hide();j2.hide();t2.hide();t1.hide();b1.hide();b2.hide();**

**Billing r1= new Billing();**

**r1.init();**

**add(r1,null);}**

**});**

**b1.addActionListener(new ActionListener()**

**{**

**public void actionPerformed(ActionEvent ae)**

**{**

**j1.hide();j2.hide();t2.hide();t1.hide();b1.hide();b2.hide();**

**OnlineShop r1= new OnlineShop();**

**r1.init();**

**add(r1,null);**

**}**

**}); }**

## OUTPUT



**This the homepage with 5 Tabbed Panes. And the tab under each tabbed Pane is a button, that links to login page.**



**There are two tabs in Men Tabbed Pane.**



**This also is under Men Tabbed Pane.**



**This comes under women tabbed pane.**



**This is the first tab under Boys tabbed Pane.**



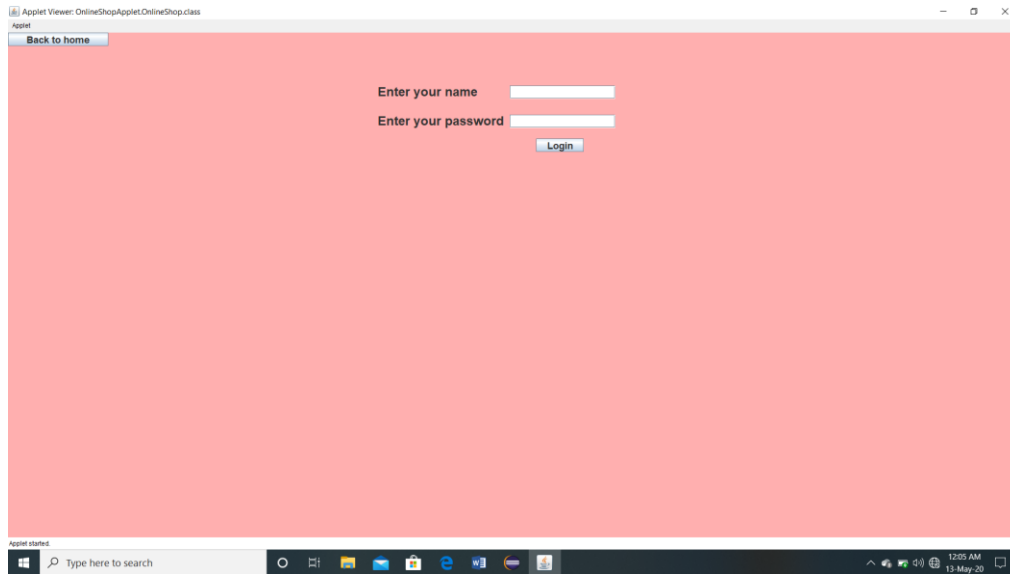
**This is the 2nd tab under Boys tabbed Pane.**



**This is the first tab under girls tabbed Pane.**



**This is the 2<sup>nd</sup> tab in the girls Tabbed Pane.**



**This is the login page.**

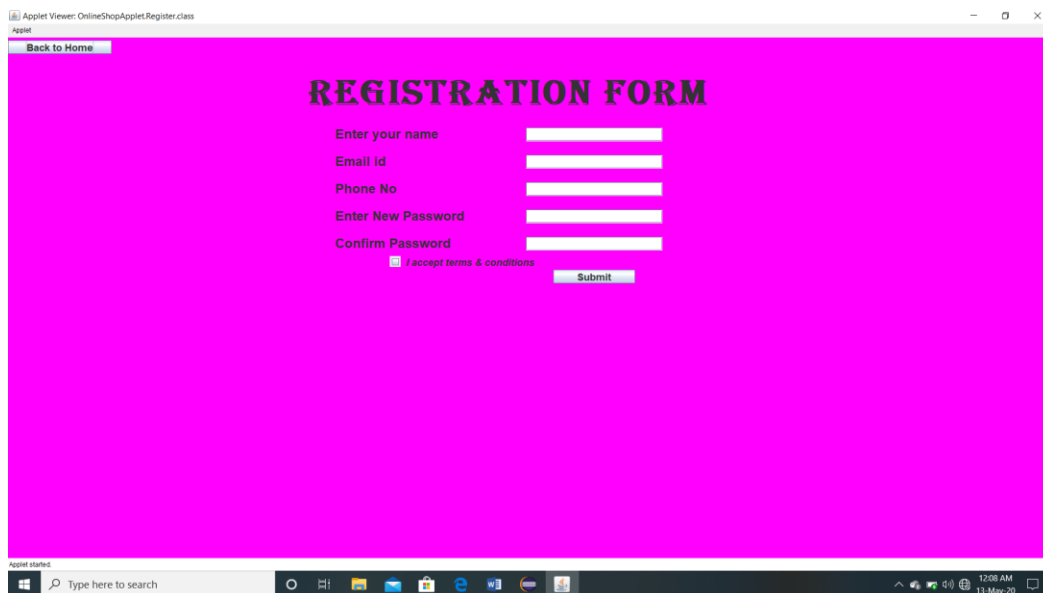


**This is a billing page, in which the users enters their shipping address.**





**This is the bill that is finally generated.**



**This is the Registration Page.**

**THANK YOU**