VIT
U N I V E R S I T Y
(Estd. u/s 3 of UGC Act 1956)

SCHOOL OF INFORMATION TECNOLOGY AND ENGINEERING

ONLINE SUPER MARKET

Done by

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For the course

SWE1007
PROGRAMMING IN JAVA

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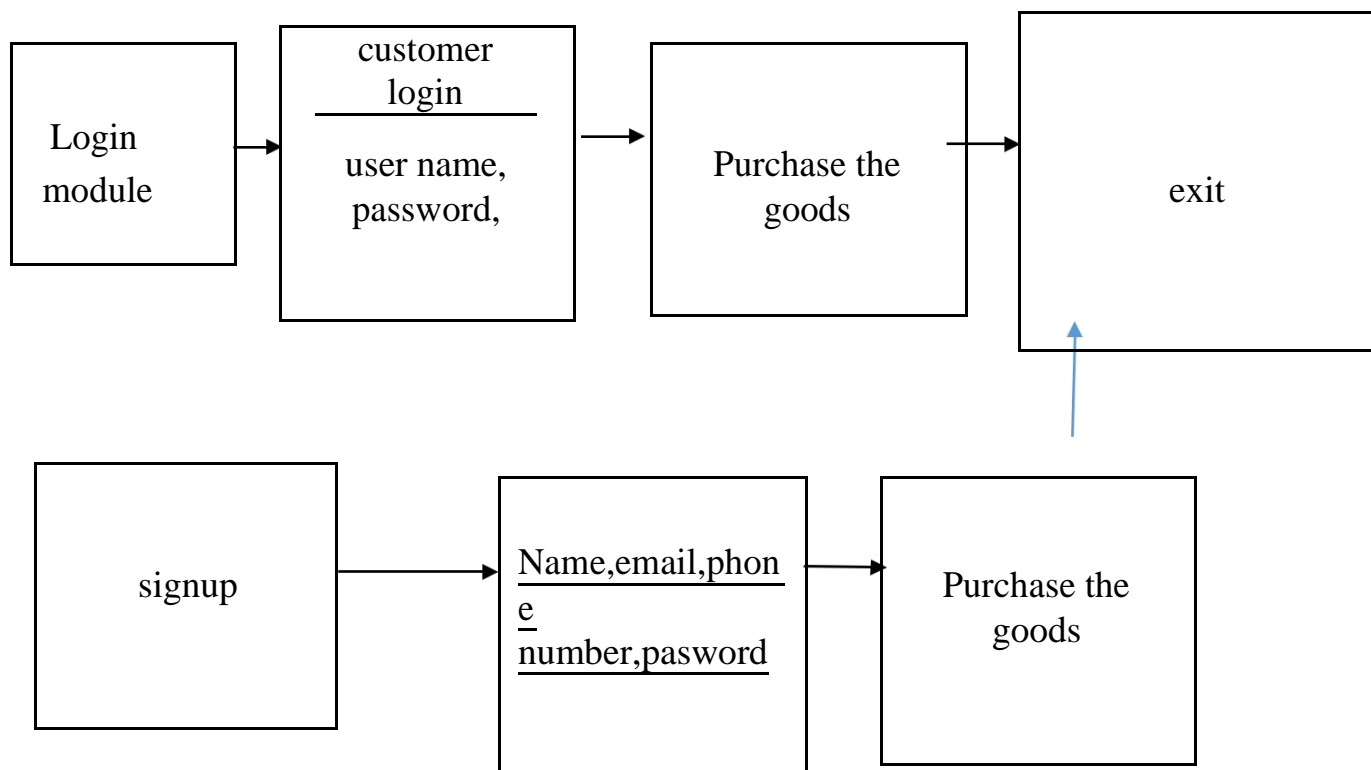
Content

ABSTRACT:

An online super market permits a customer to submit online orders for items and also for service from a store that serves both walk-in customer and online customer The project Supermarket Management System is developed with the objective of making the system reliable, easier, fast, and more informative.

In the manual System, there are number of inefficiencies that a salesperson faces. Large records-books have to be maintained where relevant and irrelevant information has to be stored which is very untidy and clumsy process. The online super market presents an online display of all the items they want to sell This web based application helps customer to choose their daily needs and also add their product to their shopping cart .customer provides their complete details of address and contact and they get their chosen products to their home.

INTRODUCTION:

The Online Supermarket Management System is a project that deals with supermarket automation and it includes both purchasing a selling of items .Online Supermarket system is web portal where the customer can search particular product online. This System is aimed to provide information to the customer about the product and services of the supermarket. In particular scenario, the customer could have to access internet. And he can input his/her product details or services according to his/her need. The web interface is provided some searching criteria and filters that allows user to the search process about the searching criteria. When the user finished input, the system will show the result according to the searching criteria. This system has signup option to the new user were he can fill his details and get login .If the customer already have a login account he can directly access to the system and he can buy the products.

ARCHITECTURE DIAGRAM

```
┌──────────┐      ┌──────────────┐      ┌──────────────┐      ┌──────────────┐
│  Login   │ ──►  │   customer   │ ──►  │ Purchase the │ ──►  │     exit     │
│  module  │      │    login     │      │    goods     │      │              │
└──────────┘      │──────────────│      └──────────────┘      └──────────────┘
                  │  user name,  │
                  │  password,   │
                  └──────────────┘

┌──────────┐      ┌──────────────┐      ┌──────────────┐
│  signup  │ ──►  │Name,email,phon│ ──► │ Purchase the │
│          │      │e             │      │    goods     │
└──────────┘      │number,pasword│      └──────────────┘
                  └──────────────┘
```

DATA BASE DESIGN:

```
mysql> desc customer;
+----------+-------------+------+-----+---------+-------+
| Field    | Type        | Null | Key | Default | Extra |
+----------+-------------+------+-----+---------+-------+
| username | varchar(30) | YES  |     | NULL    |       |
| password | varchar(30) | YES  |     | NULL    |       |
| gmail    | varchar(30) | YES  |     | NULL    |       |
| phno     | bigint(10)  | YES  |     | NULL    |       |
+----------+-------------+------+-----+---------+-------+
4 rows in set (0.09 sec)
```

```
mysql> use mart;
Database changed
mysql> select * from customer;
+----------+----------+-------------------+------------+
| username | password | gmail             | phno       |
+----------+----------+-------------------+------------+
| ankith   | ankith   | ankith@gamil.com  | 7894455632 |
| vicky    | vicky    | vishnu@gmail.com  |          0 |
| karan    | ad       | karan@23          | 7530008888 |
+----------+----------+-------------------+------------+
3 rows in set (0.02 sec)
```

CODE:

```java
package mart;

import java.awt.*;
import java.awt.event.*;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import javax.swing.*;
class Login extends JFrame implements
ActionListener {

 JButton SUBMIT,EXIT,REG;
 JPanel panel;
 JLabel label1,label2;
 JTextField text1,text2;
 Connection conn=null;
ResultSet rs=null;
PreparedStatement pst=null;

 public Login()
 {

 Container panel=getContentPane();
 label1 = new JLabel("Username:");
 text1 = new JTextField(15);
 label2 = new JLabel("Password:");
 text2 = new JPasswordField(15);
 SUBMIT=new JButton("SUBMIT");
 EXIT = new JButton("EXIT");
 REG = new JButton("REGISTER");
 label1.setBounds(300,250,100,70);
 label2.setBounds(300,300,100,50);
 text1.setBounds(400,260,200,30);
 text2.setBounds(400,310,200,30);
```

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```java
        SUBMIT.setBounds(350,380,80,30);
        EXIT.setBounds(470,380,90,30);
        REG.setBounds(600,380,90,30);

        panel.add(label1);
        panel.add(text1);
        panel.add(label2);
        panel.add(text2);
        panel.add(SUBMIT);
        panel.add(EXIT);
        panel.add(REG);
        panel.setLayout(null);
        setVisible(true);
        setExtendedState(MAXIMIZED_BOTH);
        SUBMIT.addActionListener(this);
        EXIT.addActionListener(this);
        REG.addActionListener(this);
        setTitle("LOGIN FORM");
        }
    public void actionPerformed(ActionEvent ae)
    {
    String value1=text1.getText();
    String value2=text2.getText();
    if(ae.getSource()==SUBMIT)
    {
    if(text1.getText().length()==0)
        {
            JOptionPane.showMessageDialog(null,"text field empty");
        }
        else if(text2.getText().length()==0)
        {
            JOptionPane.showMessageDialog(null,"password is empty");
        }
        else{
            try
            {

conn=DriverManager.getConnection("jdbc:mysql://localhost:3306/mart","root","");
            String Username=text1.getText();
```

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```java
            String Password=text2.getText();
            String sql="select * from customer where username=? and password=?";
            pst=conn.prepareStatement(sql);
            pst.setString(1,Username);
            pst.setString(2,Password);
            rs=pst.executeQuery();
            if(rs.next())
            {
                JOptionPane.showMessageDialog(null,"correct credentials");
                new Mart();
                this.setVisible(false);


            }
            else
            JOptionPane.showMessageDialog(null,"Incorrect login");
        }
        catch(HeadlessException | SQLException e)
        {
            JOptionPane.showMessageDialog(null,e);
        }

    }}
  else if(ae.getSource()==EXIT)
  {
    this.setVisible(false);
  }
  else if(ae.getSource()==REG)
  {
    this.setVisible(false);
    new Register();
    }
 }
}
class Mart extends JFrame implements ItemListener,ActionListener
{

Choice typ,qua;
List itm,pri,selt,seli,selp,selq,total,quap;
TextField gtotal;
```

```java
Button b1,b2;
int t;
Mart()
{
Dimension d=Toolkit.getDefaultToolkit().getScreenSize();
setSize(d.width,d.height);
setLayout(new FlowLayout());


typ=new Choice();
qua=new Choice();
quap=new List(10);
itm=new List(10);
pri=new List(10);
selt=new List(10);
seli=new List(10);
selp=new List(10);
selq=new List(10);
total=new List(10);
gtotal=new TextField(10);
b1=new Button("Cancel");
add(new Label("type"));
add(typ);
typ.add("none");
typ.add("soap");
typ.add("chocolate");
typ.add("shampoo");
typ.add("chips");

add(new Label("items"));
add(itm);

add(new Label("price"));
add(pri);

add(new Label("quantity"));
add(qua);
for(int i=0;i<=30;i++)
{
```

```java
qua.add(Integer.toString(i));
}

add(new Label("selected type"));
add(selt);

add(new Label("selected item"));
add(seli);

add(new Label("selected quantity price"));
add(selp);

add(new Label("selected quantity"));
add(selq);

add(new Label("quantity price"));
add(quap);

add(new Label("!!!!.........GRAND
TOTAL.........!!!!")); add(gtotal);

add(b1);


setVisible(true);


b1.addActionListener(this);
typ.addItemListener(this);

itm.addItemListener(this);
pri.addItemListener(this);
qua.addItemListener(this);
selt.addItemListener(this);
seli.addItemListener(this);
selp.addItemListener(this);
selq.addItemListener(this);
total.addItemListener(this);
```

```java
pri.setEnabled(false);
selt.setEnabled(false);
seli.setEnabled(false);
selp.setEnabled(false);
selq.setEnabled(false);

}




public void itemStateChanged(ItemEvent e)
{



if(e.getSource()==typ)

{
itm.removeAll();
pri.removeAll();

if(typ.getSelectedItem().equals("soap"))
{
itm.add("park Avenuve");pri.add("50");
itm.add("santoor");pri.add("25");
itm.add("life boy");pri.add("20");
itm.add("lux");pri.add("30");
}

if(typ.getSelectedItem().equals("chocolate"))
{
itm.add("silk");pri.add("150");
itm.add("ferro");pri.add("200");
itm.add("mars");pri.add("50");
itm.add("galaxy");pri.add("70");
}
```

```java
if(typ.getSelectedItem().equals("shampoo"))
{
itm.add("dove");pri.add("40");
itm.add("tresmee");pri.add("100");
itm.add("head&shoulders");pri.add("50");
itm.add("pantenee");pri.add("60");
}


if(typ.getSelectedItem().equals("chips"))
{
itm.add("lays");pri.add("10");
itm.add("bingo");pri.add("15");
itm.add("kurkure");pri.add("20");
itm.add("cheetose");pri.add("25");
}
}

if(e.getSource()==itm)
{
pri.select(itm.getSelectedIndex());
}

if(e.getSource()==qua)
{
selt.add(typ.getSelectedItem());
seli.add(itm.getSelectedItem());
selp.add(pri.getSelectedItem());
selq.add(qua.getSelectedItem());

int a,b,c;

a=Integer.parseInt(qua.getSelectedItem());
b=Integer.parseInt(pri.getSelectedItem());
c=a*b;
quap.add(Integer.toString(c));
t=t+c;
gtotal.setText(Integer.toString(t));
```
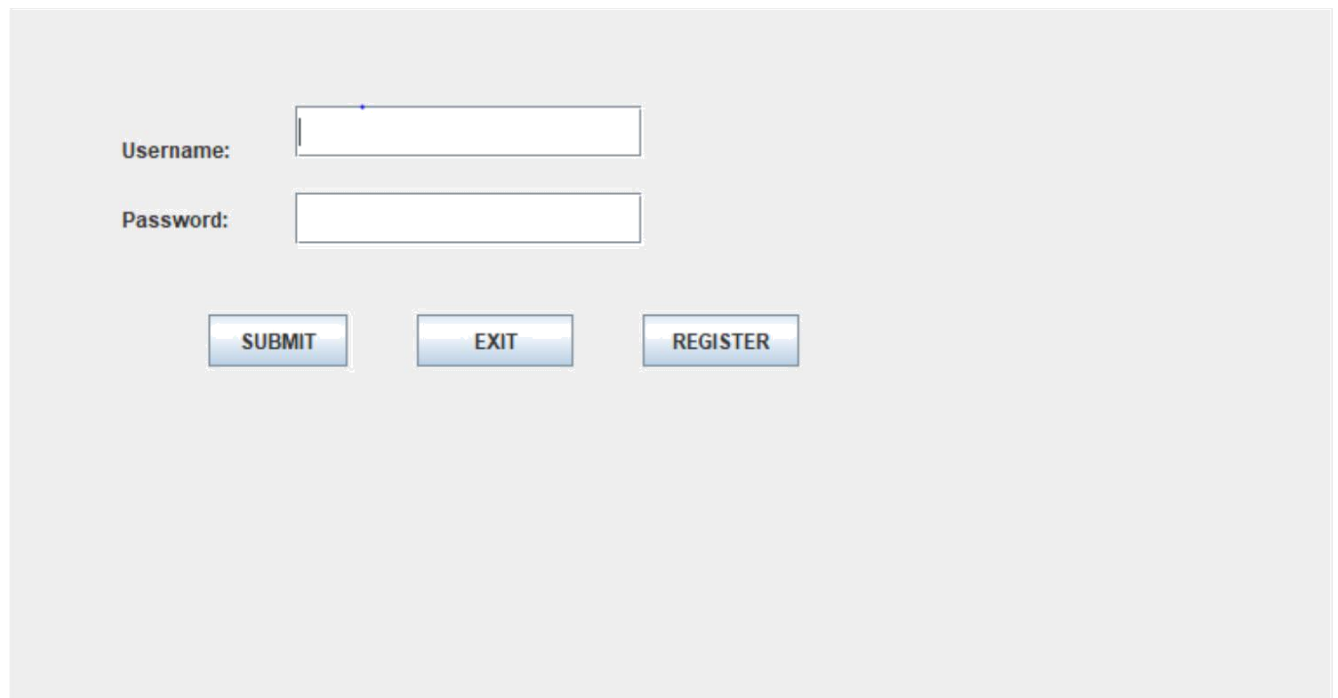
```java
        }
    }
    public void actionPerformed(ActionEvent ae)
    {  if(ae.getSource()==b1)
        {
            this.setVisible(false);
        new Login();
        }
    }
    public static void main(String args[])
    {
        Login l=new Login();

        }
    }
```
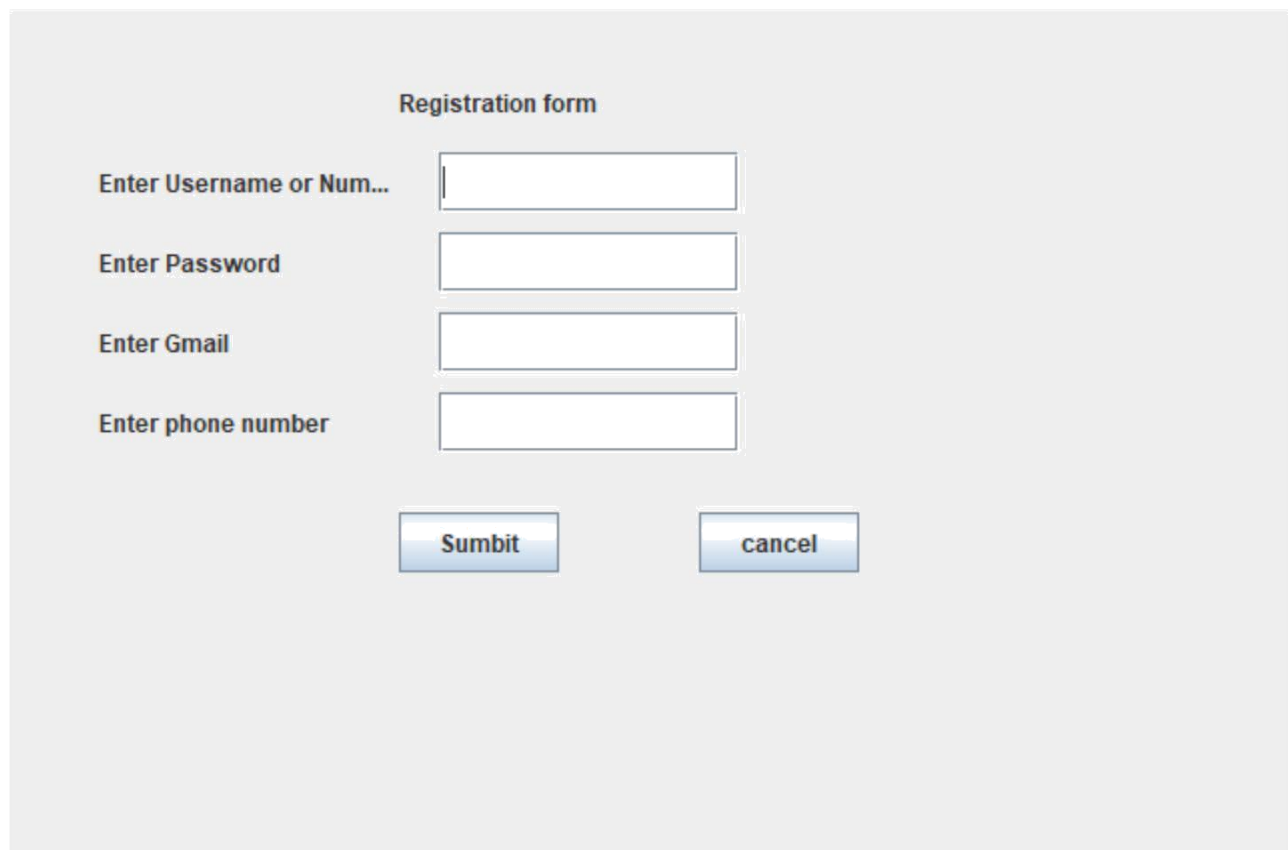
Screen Shots:

Username: [   ]

Password: [   ]

[SUBMIT]   [EXIT]   [REGISTER]

Registration form

Enter Username or Num...   [   ]

Enter Password   [   ]

Enter Gmail   [   ]

Enter phone number   [   ]

[Sumbit]   [cancel]

Conclusion: The consumer buys goods from the online super market websitie on the basis of Factors like offer and discounts ,variety of products available ,website user friendliness and cash of delivery payment option .many of the people would like to buy grocery online rather than shopping of grocery with traditional method.