

NATIONAL ENGINEERING COLLEGE
(An Autonomous Institution Affiliated to Anna University Chennai & Accredited by
NAAC) K.R.NAGAR, KOVILPATTI – 628 503

JAVA PROGRAMMING
19CS51C
CO-5 Mini Project
REPORT

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Title: Canteen Management System Problem Statement:

To develop a canteen management system to make it easier for the Canteen manager (or) Owner.,Instead of Making a manual Writing in note or something else..it is the easiest way to ordering all those things in database..

Our canteen management system provides a easiest user interfaces for the owner and it also takes a less time for the calculations.There is a Login Page for verification security purposes.once they signed in they have to use the billing system

Tools Used:

1. SWING
2. Postgresql for Database

Module Description:

- 1.Login Module
- 2.Menu List

LOGIN PAGE:

```
import javax.swing.*; import
java.awt.*; import java.awt.Color;
import java.awt.event.ActionEvent;
```

```
import
java.awt.event.ActionListener;

import java.awt.event.*;

class Loginn implements ActionListener{
    JFrame f;
    JLabel l1,l2,l3;
    JTextField un;
    JPasswordField pw;
    JButton s;
    Loginn(){
        f=new
        JFrame();
        l1=new JLabel("CANTEEN MANAGEMENT SYSTEM");
        l1.setBounds(100,10,200,20);
        l2=new JLabel("UserName");
        l2.setBounds(10,50,200,20);
        l3=new JLabel("Password");
        l3.setBounds(10,80,200,20);
        un=new JTextField();
        un.setBounds(100,50,200,20);
        pw=new JPasswordField();
        pw.setBounds(100,80,200,20);
        s=new JButton("Submit");
```

```

s.setBounds(150,125,100,20);
f.add(l1);f.add(l2);f.add(un);f.add(l3);f.add(pw);f.add(s);
f.setLayout(null);
f.setVisible(true);
f.getContentPane().setBackground(Color.lightGray);
f.setSize(350,200);
f.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
f.setResizable(false);
f.setTitle("Login");
    s.addActionListener(this);
}

public void actionPerformed(ActionEvent e){
    if(e.getSource()==s){
        String userValue = un.getText();
        String passValue = pw.getText();
        if (userValue.equals("admin1") &&
passValue.equals("itsme") || userValue.equals("admin2") &&
passValue.equals("ucantcme")) {
            CanteenManagement rr=new CanteenManagement();
        }
    }
}

public static void main(String ars[]){
    Loginn t=new Loginn();

```

}

}

//MENU LIST PAGE

```
import javax.swing.*; import
java.awt.*; import java.awt.event.*;
import java.awt.event.ActionEvent;
import
java.awt.event.ActionListener;
```

```
class CanteenManagement implements ActionListener{
    JFrame f=new JFrame("MENU");
    JButton b1,b2,b3,b4,b5,b6,b7,b8,b9,b10,b11,b12,b13,s;
        JTextField t1,t2,t3,t4,t5,t6,t7,t8,t9,t10,t11,t12,t13;
        JTextArea a1,a2,a3,a4,a5,a6,a7,a8,a9,a10,a11,a12;

    int
o=1,o1=0,o2=1,o3=0,o4=1,o5=0,o6=1,o7=0,o8=1,o9=0,o10=1,o11
=0,o12=1,o13=0,o14=1,o15=0,o16=1,o17=0,o18=1,o19=0,o20=1,o
21=0,o22=1,o23=0,o24=1,o25=0;

    Container c;

    JLabel l1,l2,l3,l4,l5,l6,l7,l8,l9,l10,l11,l12,l13;

    CanteenManagement(){
        f.setSize(600,700);
        f.setLocation(0, 0);
        f.setLayout(null);
        f.setDefaultCloseOperation(f.EXIT_ON_CLOSE );
```

```
f.setResizable(false);
l13=new JLabel("CANTEEN MANAGEMENT SYSTEM");
l13.setBounds(200, 10, 600,30);
f.add(l13); l1 = new JLabel("Tea");
l1.setFont(new Font("Arial", Font.PLAIN, 20));
l1.setSize(100, 89); l1.setLocation(50, 50);
f.add(l1); l2 = new JLabel("Coffee");
l2.setFont(new Font("Arial", Font.PLAIN, 20));
l2.setSize(100, 130); l2.setLocation(50, 70);

f.add(l2); l3 = new JLabel("Juice item");
l3.setFont(new Font("Arial", Font.PLAIN, 20));
l3.setSize(100, 130); l3.setLocation(50, 105);
f.add(l3);

l4 = new JLabel("Samsa/vada"); l4.setFont(new
Font("Arial", Font.PLAIN, 20)); l4.setSize(150,
150); l4.setLocation(50, 132);
f.add(l4); l5 = new JLabel("Veg buffs");
l5.setFont(new Font("Arial", Font.PLAIN, 20));
l5.setSize(150, 150); l5.setLocation(50, 165);
f.add(l5); l6 = new JLabel("Egg buffs");
l6.setFont(new Font("Arial", Font.PLAIN, 20));
l6.setSize(150, 150); l6.setLocation(50, 200);
f.add(l6);
```

```
17 = new JLabel("Dosa"); 17.setFont(new
Font("Arial", Font.PLAIN, 20)); 17.setSize(150,
150); 17.setLocation(50, 237);

f.add(17); 18 = new JLabel("Parota");
18.setFont(new Font("Arial", Font.PLAIN, 20));
18.setSize(150, 150); 18.setLocation(50, 269);
f.add(18); 18 = new JLabel("poori");
18.setFont(new Font("Arial", Font.PLAIN, 20));
18.setSize(150, 150); 18.setLocation(50, 300);
f.add(18);

19 = new JLabel("Veg Meals"); 19.setFont(new
Font("Arial", Font.PLAIN, 20)); 19.setSize(150,
150); 19.setLocation(50, 335);
f.add(19);

110 = new JLabel("NonVeg Meals");
110.setFont(new Font("Arial", Font.PLAIN, 20));
110.setSize(150, 150); 110.setLocation(50, 372);
f.add(110); 111 = new JLabel("Chapathi");
111.setFont(new Font("Arial", Font.PLAIN, 20));
111.setSize(150, 150); 111.setLocation(50, 407);

f.add(111); 112 = new JLabel("Idli");
112.setFont(new Font("Arial", Font.PLAIN, 20));
112.setSize(150, 150); 112.setLocation(50, 440);
```



```
f.add(l12); b1 = new JButton("+");
b1.setFont(new Font("Arial", Font.BOLD, 10));
b1.setBounds(220, 80,40,20 );
f.add(b1); b2 = new JButton("+");
b2.setFont(new Font("Arial", Font.BOLD, 10));
b2.setBounds(220, 118,40,20 );
f.add(b2); b3 = new JButton("+");
b3.setFont(new Font("Arial", Font.BOLD, 10));
b3.setBounds(220, 156 ,40,20);
f.add(b3); b4 = new JButton("+");
b4.setFont(new Font("Arial", Font.BOLD, 10));
b4.setBounds(220, 194 ,40,20);
f.add(b4); b5 = new JButton("+");
b5.setFont(new Font("Arial", Font.BOLD, 10));
b5.setBounds(220, 230 ,40,20);
f.add(b5); b6 = new JButton("+");
b6.setFont(new Font("Arial", Font.BOLD, 10));
b6.setBounds(220, 263,40,20 );
f.add(b6); b7 = new JButton("+");
b7.setFont(new Font("Arial", Font.BOLD, 10));
b7.setBounds(220, 299,40,20 );
f.add(b7); b8 = new JButton("+");
b8.setFont(new Font("Arial", Font.BOLD, 10));
b8.setBounds(220, 333,40,20 );
```

```
f.add(b8); b9 = new JButton("+");
b9.setFont(new Font("Arial", Font.BOLD, 10));
b9.setBounds(220, 367,40,20);
f.add(b9); b10 = new JButton("+");
b10.setFont(new Font("Arial", Font.BOLD, 10));
b10.setBounds(220, 400,40,20 );
f.add(b10); b11 = new JButton("+");
b11.setFont(new Font("Arial", Font.BOLD, 10));
b11.setBounds(220, 435,40,20);
f.add(b11);
b12 = new JButton("+"); b12.setFont(new
Font("Arial", Font.BOLD, 10));
b12.setBounds(220, 472,40,20);
f.add(b12); b13 = new JButton("+");
b13.setFont(new Font("Arial", Font.BOLD, 10));
b13.setBounds(220, 508,40,20);
f.add(b13); t1 = new JTextField("");
t1.setFont(new Font("Arial", Font.PLAIN, 20));
t1.setSize(35, 20); t1.setLocation(280, 80);
t1.setEditable(false);
f.add(t1); t2 = new JTextField("");
t2.setFont(new Font("Arial", Font.PLAIN, 20));
t2.setSize(35, 20); t2.setLocation(280, 118);
t2.setEditable(false);
f.add(t2); t3 = new JTextField("");
t3.setFont(new Font("Arial", Font.PLAIN, 20));
```

```
t3.setSize(35, 20); t3.setLocation(280, 156);  
t3.setEditable(false);  
f.add(t3);
```

```
t4 = new JTextField(""); t4.setFont(new  
Font("Arial", Font.PLAIN, 20)); t4.setSize(35,  
20); t4.setLocation(280, 195);  
t4.setEditable(false);
```

```
f.add(t4);
```

```
t5 = new JTextField(""); t5.setFont(new  
Font("Arial", Font.PLAIN, 20)); t5.setSize(35,  
20); t5.setLocation(280, 230);  
t5.setEditable(false);  
f.add(t5);
```

```
t6 = new JTextField(""); t6.setFont(new  
Font("Arial", Font.PLAIN, 20)); t6.setSize(35,  
20); t6.setLocation(280, 264);  
t6.setEditable(false);
```

```
f.add(t6);
```

```
t7 = new JTextField(""); t7.setFont(new  
Font("Arial", Font.PLAIN, 20)); t7.setSize(35,
```

```
20); t7.setLocation(280, 300);
t7.setEditable(false);
f.add(t7); t8 = new JTextField("");
t8.setFont(new Font("Arial", Font.PLAIN, 20));
t8.setSize(35, 20); t8.setLocation(280, 333);
t8.setEditable(false);

f.add(t8); t9 = new JTextField("");
t9.setFont(new Font("Arial", Font.PLAIN, 20));
t9.setSize(35, 20); t9.setLocation(280, 367);
t9.setEditable(false);
f.add(t9); t10 = new JTextField("");
t10.setFont(new Font("Arial", Font.PLAIN, 20));
t10.setSize(35, 20); t10.setLocation(280, 400);
t10.setEditable(false);

f.add(t10); t11 = new JTextField("");
t11.setFont(new Font("Arial", Font.PLAIN, 20));
t11.setSize(35, 20); t11.setLocation(280, 435);
t11.setEditable(false);
f.add(t11); t12 = new JTextField("");
t12.setFont(new Font("Arial", Font.PLAIN, 20));
t12.setSize(35, 20); t12.setLocation(280, 472);
t12.setEditable(false);

f.add(t12);
```

```
t13 = new JTextField(""); t13.setFont(new  
Font("Arial", Font.PLAIN, 20)); t13.setSize(35,  
20); t13.setLocation(280, 508);  
t13.setEditable(false);
```

```
f.add(t13);
```

```
s = new JButton("Buy the items");  
s.setFont(new Font("Arial", Font.PLAIN, 20));  
s.setSize(170, 40);  
s.setLocation(200, 580 );  
f.add(s);
```

```
f.setVisible(true);  
b1.addActionListener(this);  
b2.addActionListener(this);  
b3.addActionListener(this);  
b4.addActionListener(this);  
b5.addActionListener(this);  
b6.addActionListener(this);  
b7.addActionListener(this);  
b8.addActionListener(this);  
b9.addActionListener(this);  
b10.addActionListener(this);  
b11.addActionListener(this);
```

```
b12.addActionListener(this);
b13.addActionListener(this);

s.addActionListener(this); a1 = new
JTextArea(); a1.setFont(new Font("Arial",
Font.PLAIN, 15)); a1.setSize(150,70);
a1.setLocation(400, 300);
a1.setLineWrap(true);

f.add(a1);

//
//      a2 = new JTextArea();
//      a2.setFont(new Font("Arial", Font.PLAIN, 15));
//      a2.setSize(100, 20);
//      a2.setLocation(500, 500);
//      a2.setLineWrap(true);
//      f.add(a2);
//
//
//      b2 = new JButton("Submit");
//      // b1.setFont(new Font("Arial", Font.PLAIN, 20));
//      b2.setSize(100, 20);
//      b2.setLocation(400, 405 );
//      f.add(b2);
```

```
        // b1.addActionListener(this);
//      b2.addActionListener(this);

    }

    public void actionPerformed(ActionEvent e){
        if(e.getSource()==b1){
            t1.setText(String.valueOf(o));

            o++;

        }
        o1=(o-1)*5;
        if(e.getSource()==b2){
            t2.setText(String.valueOf(o2));

            o2++;

        }
        o3=(o2-1)*10;
        if(e.getSource()==b3){
            t3.setText(String.valueOf(o4));

            o4++;

        }
        o5=(o4-1)*15;
        if(e.getSource()==b4){
            t4.setText(String.valueOf(o6));

            o6++;
        }
    }
}
```

```
    } o7=(o6-1)*8;
    if(e.getSource()==b5){
        t5.setText(String.valueOf(o8));
        o8++; }
    o9=(o8-
    1)*12;
    if(e.getSource
    ()==b6){
        t6.setText(Stri
        ng.valueOf(o1
        0));
        o10++; } o11=(o10-1)*20;
    if(e.getSource()==b7){
        t7.setText(String.valueOf(o12));
        o12++;
        // o13=o*30;

    } o13=(o12-1)*40;
    if(e.getSource()==b8){
        t8.setText(String.valueOf(o14));
        o14++; }o15=(o14-
    1)*15;
```



```

if(e.getSource()==b9){
    t9.setText(String.valueOf(o16));
    o16++;
}o17=(o16-1)*12;
if(e.getSource()==b10){
    t10.setText(String.valueOf(o18)); o18++;

}o19=(o18-1)*60;
if(e.getSource()==b11){
    t11.setText(String.valueOf(o20));
    o20++;

}o21=(o20-1)*80;
if(e.getSource()==b12){
    t12.setText(String.valueOf(o22));
    o22++;

}o23=(o22-1)*18;
if(e.getSource()==b13){
    t13.setText(String.valueOf(o24));
    o16++;

}o25=(o24-1)*8; if(e.getSource()==s){
    int
sum=o1+o3+o5+o7+o9+o11+o13+o15+o17+o19+o21+o23+o25;

```

```
    a1.setText("Total Ammount: "+String.valueOf(sum));
```

```
    a1.setEditable(false);
```

```
}
```

```
}
```

```
public static void main(String args[]){
```

```
    new CanteenManagement();
```

```
}
```

```
}
```



Login



CANTEEN MANAGEMENT SYSTE...

UserName


admin1

Password

.....

Submit

//MENU LIST

 MENU

—

□

×

CANTEEN MANAGEMENT SYSTEM

Tea	<div>+</div>	<div>7</div>
Coffee	<div>+</div>	<div>2</div>
Juice item	<div>+</div>	<div>1</div>
Samsa/vada	<div>+</div>	<div>4</div>
Veg buffs	<div>+</div>	<div>1</div>
Egg buffs	<div>+</div>	<div></div>
Dosa	<div>+</div>	<div></div>
Parota	<div>+</div>	<div>1</div>
poori	<div>+</div>	<div></div>
Veg Meals	<div>+</div>	<div>3</div>
NonVeg Meals	<div>+</div>	<div></div>
Chapathi	<div>+</div>	<div>2</div>
Idli	<div>+</div>	<div>1</div>

Total Ammount: 381

Buy the items

Ammount	Date	Time
24	2022-11-15	21:06:28.961860800
45	2022-11-15	21:07:40.831818600
20	2022-11-15	21:09:57.179896500
20	2022-11-15	21:09:58.333753900
23	2022-11-15	22:19:43.390034200
55	2022-11-15	22:22:12.599387100
27	2022-11-15	22:24:58.737290

```
import javax.swing.*;
```

```
//import org.json.JSONObject;
```

```
import java.awt.*; import java.awt.event.*;
```

```
import java.awt.event.ActionEvent; import
```

```
java.awt.event.ActionListener; import
```

```
java.time.LocalDateTime; import
```

```
java.time.format.DateTimeFormatter;
```

```
import java.time.LocalTime; import
```

```
javax.swing.table.*;
```

```
import java.sql.Connection; import java.sql.DriverManager; import
```

```
java.sql.PreparedStatement; import java.sql.ResultSet; import
```

```
java.sql.SQLException; import java.sql.Statement; class
```

```
CanteenManagement extends JFrame implements ActionListener{
```

```
    JFrame f=new JFrame();
```

```
    // dtm.addColumn("Amount");
```

```
    DefaultTableModel dtm;
```

```
    JButton b1,b2,b3,b4,b5,b6,b7,b8,b9,b10,b11,b12,b13,s,s1;
```

```
    JTextField t1,t2,t3,t4,t5,t6,t7,t8,t9,t10,t11,t12,t13;
```

```
    JTextArea a1,a2,a3,a4,a5,a6,a7,a8,a9,a10,a11,a12;
```

```
    int
```

```
o=1,o1=0,o2=1,o3=0,o4=1,o5=0,o6=1,o7=0,o8=1,o9=0,o10=1,o11=0,o12=1,o13=0,o14=1,  
o
```

```
15=0,o16=1,o17=0,o18=1,o19=0,o20=1,o21=0,o22=1,o23=0,o24=1,o25=0;
```

```
    JTable k;
```

```
    Container c;
```

```
    JScrollPane sh;
```

```
    JLabel l1,l2,l3,l4,l5,l6,l7,l8,l9,l10,l11,l12;
```

```
    public CanteenManagement(){
```

```
        f.setSize(500,500);
```

```
        f.setBounds(300, 100, 730, 860);
```

```
        f.setLayout(null);
```

```
//        dtm=new DefaultTableModel();
```

```
//      k=new JTable(dtm);
//      sh=new JScrollPane(k);
//      sh.setBounds(getBounds());

// k.setBounds() l1 = new JLabel("Tea");

l1.setFont(new Font("Arial", Font.PLAIN, 20));

l1.setSize(100, 89); l1.setLocation(50, 50);

f.add(l1);


l2 = new JLabel("Coffee"); l2.setFont(new
Font("Arial", Font.PLAIN, 20)); l2.setSize(100,
130); l2.setLocation(50, 70);
f.add(l2);

l3 = new JLabel("Juice item"); l3.setFont(new
Font("Arial", Font.PLAIN, 20)); l3.setSize(100,
130); l3.setLocation(50, 105);
f.add(l3);


l4 = new JLabel("Samsa/vada");
l4.setFont(new Font("Arial", Font.PLAIN, 20));
l4.setSize(150, 150); l4.setLocation(50, 132);
f.add(l4);


l5 = new JLabel("Veg buffs"); l5.setFont(new
Font("Arial", Font.PLAIN, 20)); l5.setSize(150,
150); l5.setLocation(50, 165);
```

```
f.add(l5); l6 = new JLabel("Egg buffs");
```

```
l6.setFont(new Font("Arial", Font.PLAIN, 20));
```

```
l6.setSize(150, 150); l6.setLocation(50, 200);
```

```
f.add(l6);
```

```
l7 = new JLabel("Dosa"); l7.setFont(new  
Font("Arial", Font.PLAIN, 20)); l7.setSize(150,  
150);
```

```
l7.setLocation(50, 237);
```

```
f.add(l7);
```

```
l8 = new JLabel("Parota"); l8.setFont(new  
Font("Arial", Font.PLAIN, 20)); l8.setSize(150,  
150); l8.setLocation(50, 269);
```

```
f.add(l8);
```

```
l8 = new JLabel("poori"); l8.setFont(new  
Font("Arial", Font.PLAIN, 20)); l8.setSize(150,  
150); l8.setLocation(50, 300);
```

```
f.add(l8);
```

```
l9 = new JLabel("Veg Meals"); l9.setFont(new  
Font("Arial", Font.PLAIN, 20)); l9.setSize(150,  
150); l9.setLocation(50, 335);
```

```
f.add(l9);
```



```
l10 = new JLabel("NonVeg Meals");
l10.setFont(new Font("Arial", Font.PLAIN,
20)); l10.setSize(150, 150);
l10.setLocation(50, 372);
f.add(l10);

l11 = new JLabel("Chapathi"); l11.setFont(new
Font("Arial", Font.PLAIN, 20));
l11.setSize(150, 150); l11.setLocation(50,
407);
f.add(l11);


l12 = new JLabel("Idli"); l12.setFont(new
Font("Arial", Font.PLAIN, 20));
l12.setSize(150, 150); l12.setLocation(50,
440);
f.add(l12); b1 = new JButton("+");

b1.setFont(new Font("Arial", Font.PLAIN, 20));

b1.setSize(100, 20); b1.setLocation(240, 80 );

f.add(b1);


b2 = new JButton("+"); b2.setFont(new
Font("Arial", Font.PLAIN, 20)); b2.setSize(100,
20); b2.setLocation(240, 118 );
f.add(b2);
```

```
b3 = new JButton("+"); b3.setFont(new  
Font("Arial", Font.PLAIN, 20)); b3.setSize(100,  
20);
```

```
b3.setLocation(240, 156 );
```

```
f.add(b3);
```

```
b4 = new JButton("+"); b4.setFont(new  
Font("Arial", Font.PLAIN, 20)); b4.setSize(100,  
20); b4.setLocation(240, 194 );
```

```
f.add(b4);
```

```
b5 = new JButton("+"); b5.setFont(new  
Font("Arial", Font.PLAIN, 20)); b5.setSize(100,  
20); b5.setLocation(240, 230 );
```

```
f.add(b5);
```

```
b6 = new JButton("+"); b6.setFont(new  
Font("Arial", Font.PLAIN, 20)); b6.setSize(100,  
20); b6.setLocation(240, 263 );
```

```
f.add(b6); b7 = new JButton("+");
```

```
b7.setFont(new Font("Arial", Font.PLAIN, 20));
```

```
b7.setSize(100, 20); b7.setLocation(240, 299
```

```
);
```

```
f.add(b7);
```

```
b8 = new JButton("+"); b8.setFont(new  
Font("Arial", Font.PLAIN, 20)); b8.setSize(100,  
20); b8.setLocation(240, 333 );  
f.add(b8);
```

```
b9 = new JButton("+"); b9.setFont(new  
Font("Arial", Font.PLAIN, 20)); b9.setSize(100,  
20); b9.setLocation(240, 367);  
f.add(b9); b10 = new JButton("+");
```

```
b10.setFont(new Font("Arial", Font.PLAIN, 20));  
  
b10.setSize(100, 20); b10.setLocation(240, 400  
  
);
```

```
f.add(b10); b11 = new JButton("+");
```

```
b11.setFont(new Font("Arial", Font.PLAIN,  
  
20)); b11.setSize(100, 20);
```

```
b11.setLocation(240, 435);
```

```
f.add(b11);
```

```
b12 = new JButton("+"); b12.setFont(new  
Font("Arial", Font.PLAIN, 20));  
b12.setSize(100, 20); b12.setLocation(240,  
472);  
f.add(b12);
```

```
b13 = new JButton("+"); b13.setFont(new  
Font("Arial", Font.PLAIN, 20));  
b13.setSize(100, 20); b13.setLocation(240,  
508);  
f.add(b13);
```

```
t1 = new JTextField(""); t1.setFont(new  
Font("Arial", Font.PLAIN, 20)); t1.setSize(100,  
20); t1.setLocation(339, 80);  
f.add(t1);
```

```
t2 = new JTextField(""); t2.setFont(new  
Font("Arial", Font.PLAIN, 20)); t2.setSize(100,  
20); t2.setLocation(339, 118);  
f.add(t2);
```

```
t3 = new JTextField(""); t3.setFont(new  
Font("Arial", Font.PLAIN, 20)); t3.setSize(100,  
20); t3.setLocation(339, 156);  
f.add(t3);
```

```
t4 = new JTextField(""); t4.setFont(new  
Font("Arial", Font.PLAIN, 20)); t4.setSize(100,  
20); t4.setLocation(339, 195);  
f.add(t4);
```

```
t5 = new JTextField(""); t5.setFont(new  
Font("Arial", Font.PLAIN, 20)); t5.setSize(100,  
20); t5.setLocation(339, 230);  
f.add(t5);
```

```
t6 = new JTextField(""); t6.setFont(new  
Font("Arial", Font.PLAIN, 20)); t6.setSize(100,  
20); t6.setLocation(339, 264);  
f.add(t6);
```

```
t7 = new JTextField(""); t7.setFont(new  
Font("Arial", Font.PLAIN, 20)); t7.setSize(100,  
20); t7.setLocation(339, 300);  
f.add(t7);
```

```
t8 = new JTextField(""); t8.setFont(new  
Font("Arial", Font.PLAIN, 20)); t8.setSize(100,  
20); t8.setLocation(339, 333);  
f.add(t8);
```

```
t9 = new JTextField(""); t9.setFont(new  
Font("Arial", Font.PLAIN, 20)); t9.setSize(100,  
20); t9.setLocation(339, 367);  
f.add(t9); t10 = new JTextField("");
```

```
t10.setFont(new Font("Arial", Font.PLAIN, 20));
```

```
t10.setSize(100, 20); t10.setLocation(339,  
  
400);  
  
f.add(t10); t11 = new JTextField("");  
  
t11.setFont(new Font("Arial", Font.PLAIN,  
  
20)); t11.setSize(100, 20);  
  
t11.setLocation(339, 435);  
  
f.add(t11);  
  
  
t12 = new JTextField(""); t12.setFont(new  
Font("Arial", Font.PLAIN, 20)); t12.setSize(100,  
20); t12.setLocation(339, 472);  
  
f.add(t12);  
  
  
t13 = new JTextField(""); t13.setFont(new  
Font("Arial", Font.PLAIN, 20)); t13.setSize(100,  
20); t13.setLocation(339, 508);  
  
f.add(t13);  
  
  
s = new JButton("Buy the items");  
s.setFont(new Font("Arial", Font.PLAIN, 20));  
s.setSize(170, 40);  
s.setLocation(200, 580 );  
f.add(s);
```

```
s1 = new JButton("view price");  
s1.setFont(new Font("Arial", Font.PLAIN, 20));  
s1.setSize(170, 40); s1.setLocation(500, 580  
);  
f.add(s1);
```

```
f.setVisible(true);
```

```
b1.addActionListener(this);  
b2.addActionListener(this);  
b3.addActionListener(this);  
b4.addActionListener(this);  
b5.addActionListener(this);  
b6.addActionListener(this);  
b7.addActionListener(this);  
b8.addActionListener(this);  
b9.addActionListener(this);  
b10.addActionListener(this);  
b11.addActionListener(this);  
b12.addActionListener(this);  
b13.addActionListener(this);  
s1.addActionListener(this);
```

```
s.addActionListener(this); a1 = new
```

```
JTextArea(); a1.setFont(new Font("Arial",
```

```

        Font.PLAIN, 15)); a1.setSize(150,150);

        a1.setLocation(500, 300);

        a1.setLineWrap(true);

        f.add(a1);

//
//      a2 = new JTextArea();
//      a2.setFont(new Font("Arial", Font.PLAIN, 15));
//      a2.setSize(100, 20);
//      a2.setLocation(500, 500);
//      a2.setLineWrap(true);
//      f.add(a2);
//
//
//      b2 = new JButton("Submit");
//      // b1.setFont(new Font("Arial", Font.PLAIN, 20));
//      b2.setSize(100, 20);
//      b2.setLocation(400, 405 );
//      f.add(b2);

        // b1.addActionListener(this);
//      b2.addActionListener(this);

    }

    public void actionPerformed(ActionEvent e){

```



```
if(e.getSource()==b1){  
    t1.setText(String.valueOf(o));  
    o++;  
  
    }o1=(o-1)*5;  
    if(e.getSource()==b2){  
        t2.setText(String.valueOf(o2));  
        o2++;  
  
    }  
    o3=(o2-1)*10;  
  
    if(e.getSource()==b3){  
        t3.setText(String.valueOf(o4));  
        o4++;  
  
    }o5=(o4-1)*15;  
    if(e.getSource()==b4){  
        t4.setText(String.valueOf(o6));  
        o6++;  
  
    }  
    o7=(o6-1)*8;  
    if(e.getSource()==b5){  
        t5.setText(String.valueOf(o8));  
        o8++;
```

```
}
```

```
o9=(o8-1)*12;
```

```
if(e.getSource()==b6){
```

```
t6.setText(String.valueOf(o10));
```

```
o10++;
```

```
}
```

```
o11=(o10-1)*20;
```

```
if(e.getSource()==b7){
```

```
t7.setText(String.valueOf(o12));
```

```
o12++;
```

```
// o13=o*30;
```

```
}
```

```
o13=(o12-1)*40;
```

```
if(e.getSource()==b8){
```

```
t8.setText(String.valueOf(o14));
```

```
o14++; }o15=(o14-1)*15;
```

```
if(e.getSource()==b9){
```

```
t9.setText(String.valueOf(o16));
```

```
o16++; }o17=(o16-1)*12;
```

```

if(e.getSource()==b10){
    t10.setText(String.valueOf(o18));
    o18++;

}o19=(o18-1)*60;
if(e.getSource()==b11){
    t11.setText(String.valueOf(o20));
    o20++;

}o21=(o20-1)*80;
if(e.getSource()==b12){
    t12.setText(String.valueOf(o22));
    o22++;

}o23=(o22-1)*18;
if(e.getSource()==b13){
    t13.setText(String.valueOf(o24));
    o16++;

}o25=(o24-1)*8; if(e.getSource()==s){ int
sum=o1+o3+o5+o7+o9+o11+o13+o15+o17+o19+o21+o23+o25;
String h1=java.time.LocalDate.now().toString();
String h3=Integer.toString(sum);

String h2=LocalTime.now().toString(); a1.setText("Total Ammount:
"+String.valueOf(sum) +"\\n"+ h1+"\\n"+h2);

System.out.print("hbfc");

String ju="jdbc:postgresql://localhost:5432/canteendb";

```

```

        String un="Admin";

        String Pa="1234";

        try {

            // String sql="INSERT INTO weatherhistory VALUES
            ("'+formattedDate+'','"+r1+"','"+cit   +"')";

            Connection con=DriverManager.getConnection(ju,un,Pa);

            String sql="INSERT INTO info(amount, date,
            time)"+VALUES("'" +h3+"','"+h1+"','"+h2+"')";

            Statement st=con.createStatement();

            st.executeUpdate(sql);

        }

        catch(Exception nh) {

            System.out.print("fhefb");

        }

    }

    if(e.getSource()==s1) {

        poda pp=new poda();

    }

}

public static void main(String args[]){

    new CanteenManagement();

}

```

RESULT:

Thus the java GUI applications for Canteen Management is designed and provide appropriate with event handling

