**MINI PROJECT**

**Name of the project:** Food Ordering System

**Project Description:** It is a simple Java Project of food ordering system. It is a menu of restaurant with different category of food items where you can traverse in different categories of food items in our menu. All the items are arranged in a very typical manner, you can select your favourite food rapidly with the desire amount of quantity you want. And at the end your total bill will be displayed.

**Java concepts used:**

1. **Java Swing**: Java Swing tutorial is a part of Java Foundation Classes (JFC) that is used to create window-based applications. It is built on the top of AWT (Abstract Windowing Toolkit) API and entirely written in java. Unlike AWT, Java Swing provides platform-independent and lightweight components. The javax.swing package provides classes for java swing API such as JButton, JTextField, JTextArea, JRadioButton, JCheckbox, JMenu, JColorChooser etc.
2. **Construction of branching:** Branching statements are the statements used to jump the flow of execution from one part of a program to another. The branching statements are mostly used inside the control statements. Java has mainly three branching statements, i.e., continue, break, and return. The branching statements allow us to exit from a control statement when a certain condition meet.
3. **Interface in Java:** An interface in Java is a blueprint of a class. It has static constants and abstract methods. The interface in Java is a mechanism to achieve abstraction. There can be only abstract methods in the Java interface, not method body. It is used to achieve abstraction and multiple inheritance in Java .In other words, you can say that interfaces can have abstract methods and variables. It cannot have a method body.
4. **Inheritance in Java:** Inheritance in Java is a mechanism in which one object acquires all the properties and behaviors of a parent object. It is an important part of OOPs (Object Oriented programming system).The idea behind inheritance in Java is that you can create new classes that are built upon existing classes. When you inherit from an existing class, you can reuse methods and fields of the parent class. Moreover, you can add new methods and fields in your current class also. Inheritance represents the IS-A relationship which is also known as a parent-child relationship.

**Code:**

import javax.swing.\*;

import java.awt.\*;

import java.awt.event.\*;

import java.awt.Font.\*;

class South\_Indian extends JFrame implements ActionListener //b1

{

JLabel limage;

JCheckBox c1,c2,c3,c4,c5,c6;

JComboBox cb1,cb2,cb3,cb4,cb5,cb6;

JButton b1;

String qty[] = {" ","1","2","3","4"};

Menu food\_of\_south;

int si\_total;

South\_Indian(Menu m)

{

//CREATING REFERENCE FROM WHERE IT IS CALLED

food\_of\_south = m;

//CREATING OBJECTS

//OBJECTS OF JCheckBox

ImageIcon i = new ImageIcon("D:\\ENGINEERING SEMESTER - 3\\JAVA\\Java Project\\dosa.JPEG");

limage = new JLabel(i);

c1 = new JCheckBox("IDLI ------------------Rs 80");

c2 = new JCheckBox("MASALA DOSA -----------Rs 150");

c3 = new JCheckBox("MADU WADA -------------Rs 100");

c4 = new JCheckBox("UTTAPAM ---------------Rs 110");

c5 = new JCheckBox("PULIHORA --------------Rs 100");

c6 = new JCheckBox("DOSA ------------------Rs 90");

//OBJECTS OF JComboBox

cb1 = new JComboBox(qty);

cb2 = new JComboBox(qty);

cb3 = new JComboBox(qty);

cb4 = new JComboBox(qty);

cb5 = new JComboBox(qty);

cb6 = new JComboBox(qty);

//OBJECT OF JButton

b1 = new JButton("OKAY");

//ADDING setBounds

limage.setBounds(0,0,800,450);

c1.setBounds(50,50,200,30);

cb1.setBounds(300,50,50,30);

c2.setBounds(450,50,200,30);

cb2.setBounds(700,50,50,30);

c3.setBounds(50,100,200,30);

cb3.setBounds(300,100,50,30);

c4.setBounds(450,100,200,30);

cb4.setBounds(700,100,50,30);

c5.setBounds(50,150,200,30);

cb5.setBounds(300,150,50,30);

c6.setBounds(450,150,200,30);

cb6.setBounds(700,150,50,30);

b1.setBounds(350,200,100,30);

//ADDING TO THE FRAME

this.add(limage);

limage.add(c1);

limage.add(c2);

limage.add(c3);

limage.add(c4);

limage.add(c5);

limage.add(c6);

limage.add(cb1);

limage.add(cb2);

limage.add(cb3);

limage.add(cb4);

limage.add(cb5);

limage.add(cb6);

limage.add(b1);

b1.addActionListener(this);

}

//a = obj.getTotal();

public int getTotal()

{

return si\_total;

}

public void actionPerformed(ActionEvent e)

{

si\_total = 0;

String s;

int x;

if(c1.isSelected())

{

s = cb1.getSelectedItem().toString();

if(s.equals(" "))

{

x = 0;

}

else

{

x = Integer.parseInt(s);

}

si\_total = si\_total +(80 \* x);

}

if(c2.isSelected())

{

s = cb2.getSelectedItem().toString();

if(s.equals(" "))

{

x = 0;

}

else

{

x = Integer.parseInt(s);

}

si\_total = si\_total +(150 \* x);

}

if(c3.isSelected())

{

s = cb3.getSelectedItem().toString();

if(s.equals(" "))

{

x = 0;

}

else

{

x = Integer.parseInt(s);

}

si\_total = si\_total +(100 \* x);

}

if(c4.isSelected())

{

s = cb4.getSelectedItem().toString();

if(s.equals(" "))

{

x = 0;

}

else

{

x = Integer.parseInt(s);

}

si\_total = si\_total +(110 \* x);

}

if(c5.isSelected())

{

s = cb5.getSelectedItem().toString();

if(s.equals(" "))

{

x = 0;

}

else

{

x = Integer.parseInt(s);

}

si\_total = si\_total +(100 \* x);

}

if(c6.isSelected())

{

s = cb6.getSelectedItem().toString();

if(s.equals(" "))

{

x = 0;

}

else

{

x = Integer.parseInt(s);

}

si\_total = si\_total +(90 \* x);

}

//System.out.println("Your south indian total amount is "+si\_total);

this.setVisible(false);

food\_of\_south.setVisible(true);

}

}

class Chinese extends JFrame implements ActionListener //b2

{

JLabel limage;

JCheckBox c1,c2,c3,c4,c5,c6;

JComboBox cb1,cb2,cb3,cb4,cb5,cb6;

JButton b1;

String qty[] = {" ","1","2","3","4"};

Menu food\_of\_chinese;

int chi\_total;

Chinese(Menu m)

{

//CREATING REFERENCE FROM WHERE IT IS CALLED

food\_of\_chinese = m;

//CREATING OBJECTS

//OBJECTS OF JCheckBox

ImageIcon i = new ImageIcon("D:\\ENGINEERING SEMESTER - 3\\JAVA\\Java Project\\chinese.JPG");

limage = new JLabel(i);

c1 = new JCheckBox("FIRED RICE ------------Rs 150");

c2 = new JCheckBox("HAKKA NOODLES ---------Rs 150");

c3 = new JCheckBox("MANCHURIAN ------------Rs 100");

c4 = new JCheckBox("MANCHOW SOUP ----------Rs 100");

c5 = new JCheckBox("SPRING ROLLS ----------Rs 80");

c6 = new JCheckBox("GOLD FINGERS ----------Rs 80");

//OBJECTS OF JComboBox

cb1 = new JComboBox(qty);

cb2 = new JComboBox(qty);

cb3 = new JComboBox(qty);

cb4 = new JComboBox(qty);

cb5 = new JComboBox(qty);

cb6 = new JComboBox(qty);

//OBJECT OF JButton

b1 = new JButton("OKAY");

//ADDING setBounds

limage.setBounds(0,0,800,450);

c1.setBounds(50,50,200,30);

cb1.setBounds(300,50,50,30);

c2.setBounds(450,50,220,30);

cb2.setBounds(700,50,50,30);

c3.setBounds(50,100,200,30);

cb3.setBounds(300,100,50,30);

c4.setBounds(450,100,220,30);

cb4.setBounds(700,100,50,30);

c5.setBounds(50,150,200,30);

cb5.setBounds(300,150,50,30);

c6.setBounds(450,150,200,30);

cb6.setBounds(700,150,50,30);

b1.setBounds(350,200,100,30);

//ADDING TO THE FRAME

this.add(limage);

limage.add(c1);

limage.add(c2);

limage.add(c3);

limage.add(c4);

limage.add(c5);

limage.add(c6);

limage.add(cb1);

limage.add(cb2);

limage.add(cb3);

limage.add(cb4);

limage.add(cb5);

limage.add(cb6);

limage.add(b1);

b1.addActionListener(this);

}

public void actionPerformed(ActionEvent e)

{

chi\_total = 0;

String s;

int x;

if(c1.isSelected())

{

s = cb1.getSelectedItem().toString();

if(s.equals(" "))

{

x = 0;

}

else

{

x = Integer.parseInt(s);

}

chi\_total = chi\_total +(150 \* x);

}

if(c2.isSelected())

{

s = cb2.getSelectedItem().toString();

if(s.equals(" "))

{

x = 0;

}

else

{

x = Integer.parseInt(s);

}

chi\_total = chi\_total +(150 \* x);

}

if(c3.isSelected())

{

s = cb3.getSelectedItem().toString();

if(s.equals(" "))

{

x = 0;

}

else

{

x = Integer.parseInt(s);

}

chi\_total = chi\_total +(100 \* x);

}

if(c4.isSelected())

{

s = cb4.getSelectedItem().toString();

if(s.equals(" "))

{

x = 0;

}

else

{

x = Integer.parseInt(s);

}

chi\_total = chi\_total +(100 \* x);

}

if(c5.isSelected())

{

s = cb5.getSelectedItem().toString();

if(s.equals(" "))

{

x = 0;

}

else

{

x = Integer.parseInt(s);

}

chi\_total = chi\_total +(80 \* x);

}

if(c6.isSelected())

{

s = cb6.getSelectedItem().toString();

if(s.equals(" "))

{

x = 0;

}

else

{

x = Integer.parseInt(s);

}

chi\_total = chi\_total +(80 \* x);

}

//System.out.println("Your chinese total amount is "+chi\_total);

this.setVisible(false);

food\_of\_chinese.setVisible(true);

}

}

class Pav\_Bhaji extends JFrame implements ActionListener //b3

{

JLabel limage;

JCheckBox c1,c2,c3,c4,c5,c6;

JComboBox cb1,cb2,cb3,cb4,cb5,cb6;

JButton b1;

String qty[] = {" ","1","2","3","4"};

Menu food\_of\_pav\_bhaji;

int pv\_total;

Pav\_Bhaji(Menu m)

{

//CREATING REFERENCE FROM WHERE IT IS CALLED

food\_of\_pav\_bhaji = m;

//CREATING OBJECTS

//OBJECTS OF JCheckBox

ImageIcon i = new ImageIcon("D:\\ENGINEERING SEMESTER - 3\\JAVA\\Java Project\\pav bhaji.JPG");

limage = new JLabel(i);

c1 = new JCheckBox("PAV BHAJI -------------Rs 180");

c2 = new JCheckBox("SPL. PAV BHAJI --------Rs 200");

c3 = new JCheckBox("CHEESE PAV BHAJI ------Rs 200");

c4 = new JCheckBox("MASALA BHAJI ----------Rs 170");

c5 = new JCheckBox("JAIN PAV BHAJI --------Rs 190");

c6 = new JCheckBox("BUTTER PAV ------------Rs 25");

//OBJECTS OF JComboBox

cb1 = new JComboBox(qty);

cb2 = new JComboBox(qty);

cb3 = new JComboBox(qty);

cb4 = new JComboBox(qty);

cb5 = new JComboBox(qty);

cb6 = new JComboBox(qty);

//OBJECT OF JButton

b1 = new JButton("OKAY");

//ADDING setBounds

limage.setBounds(0,0,800,450);

c1.setBounds(50,50,220,30);

cb1.setBounds(300,50,50,30);

c2.setBounds(450,50,220,30);

cb2.setBounds(700,50,50,30);

c3.setBounds(50,100,220,30);

cb3.setBounds(300,100,50,30);

c4.setBounds(450,100,220,30);

cb4.setBounds(700,100,50,30);

c5.setBounds(50,150,220,30);

cb5.setBounds(300,150,50,30);

c6.setBounds(450,150,220,30);

cb6.setBounds(700,150,50,30);

b1.setBounds(350,200,100,30);

//ADDING TO THE FRAME

this.add(limage);

limage.add(c1);

limage.add(c2);

limage.add(c3);

limage.add(c4);

limage.add(c5);

limage.add(c6);

limage.add(cb1);

limage.add(cb2);

limage.add(cb3);

limage.add(cb4);

limage.add(cb5);

limage.add(cb6);

limage.add(b1);

b1.addActionListener(this);

}

public void actionPerformed(ActionEvent e)

{

pv\_total = 0;

String s;

int x;

if(c1.isSelected())

{

s = cb1.getSelectedItem().toString();

if(s.equals(" "))

{

x = 0;

}

else

{

x = Integer.parseInt(s);

}

pv\_total = pv\_total +(180 \* x);

}

if(c2.isSelected())

{

s = cb2.getSelectedItem().toString();

if(s.equals(" "))

{

x = 0;

}

else

{

x = Integer.parseInt(s);

}

pv\_total = pv\_total +(200 \* x);

}

if(c3.isSelected())

{

s = cb3.getSelectedItem().toString();

if(s.equals(" "))

{

x = 0;

}

else

{

x = Integer.parseInt(s);

}

pv\_total = pv\_total +(200 \* x);

}

if(c4.isSelected())

{

s = cb4.getSelectedItem().toString();

if(s.equals(" "))

{

x = 0;

}

else

{

x = Integer.parseInt(s);

}

pv\_total = pv\_total +(170 \* x);

}

if(c5.isSelected())

{

s = cb5.getSelectedItem().toString();

if(s.equals(" "))

{

x = 0;

}

else

{

x = Integer.parseInt(s);

}

pv\_total = pv\_total +(190 \* x);

}

if(c6.isSelected())

{

s = cb6.getSelectedItem().toString();

if(s.equals(" "))

{

x = 0;

}

else

{

x = Integer.parseInt(s);

}

pv\_total = pv\_total +(25 \* x);

}

//System.out.println("Your pav bhaji total amount is "+pv\_total);

this.setVisible(false);

food\_of\_pav\_bhaji.setVisible(true);

}

}

class Pizza extends JFrame implements ActionListener //b4

{

JLabel pizza\_image;

JCheckBox c1,c2,c3,c4,c5,c6;

JComboBox cb1,cb2,cb3,cb4,cb5,cb6;

JButton b1;

String qty[] = {" ","1","2","3","4"};

Menu food\_of\_pizza;

int pi\_total;

Pizza(Menu m)

{

//CREATING REFERENCE FROM WHERE IT IS CALLED

food\_of\_pizza = m;

//CREATING OBJECTS

//OBJECTS OF JCheckBox

ImageIcon i = new ImageIcon("D:\\ENGINEERING SEMESTER - 3\\JAVA\\Java Project\\pizza.JPEG");

pizza\_image = new JLabel(i);

c1 = new JCheckBox("VEG. PIZZA ------------Rs 200");

c2 = new JCheckBox("VEG CHEESE PIZZA ------Rs 210");

c3 = new JCheckBox("ONLY CHEESE PIZZA -----Rs 210");

c4 = new JCheckBox("PANEER PIZZA ----------Rs 210");

c5 = new JCheckBox("INDI TANDOORI PIZZA ---Rs 200");

c6 = new JCheckBox("CHEESE N CORN ---------Rs 200");

//OBJECTS OF JComboBox

cb1 = new JComboBox(qty);

cb2 = new JComboBox(qty);

cb3 = new JComboBox(qty);

cb4 = new JComboBox(qty);

cb5 = new JComboBox(qty);

cb6 = new JComboBox(qty);

//OBJECT OF JButton

b1 = new JButton("OKAY");

//ADDING setBounds

pizza\_image.setBounds(0,0,800,450);

c1.setBounds(50,50,220,30);

cb1.setBounds(300,50,50,30);

c2.setBounds(450,50,220,30);

cb2.setBounds(700,50,50,30);

c3.setBounds(50,100,220,30);

cb3.setBounds(300,100,50,30);

c4.setBounds(450,100,220,30);

cb4.setBounds(700,100,50,30);

c5.setBounds(50,150,220,30);

cb5.setBounds(300,150,50,30);

c6.setBounds(450,150,220,30);

cb6.setBounds(700,150,50,30);

b1.setBounds(350,200,100,30);

//b1.setBounds(350,300,100,30);

//b1.setBounds(325,300,150,25);

//ADDING TO THE FRAME

this.add(pizza\_image);

pizza\_image.add(c1);

pizza\_image.add(c2);

pizza\_image.add(c3);

pizza\_image.add(c4);

pizza\_image.add(c5);

pizza\_image.add(c6);

pizza\_image.add(cb1);

pizza\_image.add(cb2);

pizza\_image.add(cb3);

pizza\_image.add(cb4);

pizza\_image.add(cb5);

pizza\_image.add(cb6);

pizza\_image.add(b1);

b1.addActionListener(this);

}

public void actionPerformed(ActionEvent e)

{

pi\_total = 0;

String s;

int x;

if(c1.isSelected())

{

s = cb1.getSelectedItem().toString();

if(s.equals(" "))

{

x = 0;

}

else

{

x = Integer.parseInt(s);

}

pi\_total = pi\_total +(200 \* x);

}

if(c2.isSelected())

{

s = cb2.getSelectedItem().toString();

if(s.equals(" "))

{

x = 0;

}

else

{

x = Integer.parseInt(s);

}

pi\_total = pi\_total +(210 \* x);

}

if(c3.isSelected())

{

s = cb3.getSelectedItem().toString();

if(s.equals(" "))

{

x = 0;

}

else

{

x = Integer.parseInt(s);

}

pi\_total = pi\_total +(210 \* x);

}

if(c4.isSelected())

{

s = cb4.getSelectedItem().toString();

if(s.equals(" "))

{

x = 0;

}

else

{

x = Integer.parseInt(s);

}

pi\_total = pi\_total +(210 \* x);

}

if(c5.isSelected())

{

s = cb5.getSelectedItem().toString();

if(s.equals(" "))

{

x = 0;

}

else

{

x = Integer.parseInt(s);

}

pi\_total = pi\_total +(200 \* x);

}

if(c6.isSelected())

{

s = cb6.getSelectedItem().toString();

if(s.equals(" "))

{

x = 0;

}

else

{

x = Integer.parseInt(s);

}

pi\_total = pi\_total +(200 \* x);

}

//System.out.println("Your pizza total amount is "+pi\_total);

this.setVisible(false);

food\_of\_pizza.setVisible(true);

}

}

class Starters extends JFrame implements ActionListener //b5

{

JLabel limage;

JCheckBox c1,c2,c3,c4,c5,c6;

JComboBox cb1,cb2,cb3,cb4,cb5,cb6;

JButton b1;

String qty[] = {" ","1","2","3","4"};

Menu food\_of\_starters;

int st\_total;

Starters(Menu m)

{

//CREATING REFERENCE FROM WHERE IT IS CALLED

food\_of\_starters = m;

//CREATING OBJECTS

//OBJECTS OF JCheckBox

ImageIcon i = new ImageIcon("D:\\ENGINEERING SEMESTER - 3\\JAVA\\Java Project\\starters.JPG");

limage = new JLabel(i);

c1 = new JCheckBox("PANEER TIKKA ----------Rs 250");

c2 = new JCheckBox("PANEER 65 -------------Rs 250");

c3 = new JCheckBox("MUSHROOM TIKKA --------Rs 240");

c4 = new JCheckBox("HARA BHARA KABAB ------Rs 210");

c5 = new JCheckBox("VEG. HOT PAN ----------Rs 245");

c6 = new JCheckBox("VEG. CANAPY -----------Rs 250");

//OBJECTS OF JComboBox

cb1 = new JComboBox(qty);

cb2 = new JComboBox(qty);

cb3 = new JComboBox(qty);

cb4 = new JComboBox(qty);

cb5 = new JComboBox(qty);

cb6 = new JComboBox(qty);

//OBJECT OF JButton

b1 = new JButton("OKAY");

//ADDING setBounds

limage.setBounds(0,0,800,450);

c1.setBounds(50,50,220,30);

cb1.setBounds(300,50,50,30);

c2.setBounds(450,50,220,30);

cb2.setBounds(700,50,50,30);

c3.setBounds(50,100,220,30);

cb3.setBounds(300,100,50,30);

c4.setBounds(450,100,220,30);

cb4.setBounds(700,100,50,30);

c5.setBounds(50,150,220,30);

cb5.setBounds(300,150,50,30);

c6.setBounds(450,150,220,30);

cb6.setBounds(700,150,50,30);

b1.setBounds(350,200,100,30);

//ADDING TO THE FRAME

this.add(limage);

limage.add(c1);

limage.add(c2);

limage.add(c3);

limage.add(c4);

limage.add(c5);

limage.add(c6);

limage.add(cb1);

limage.add(cb2);

limage.add(cb3);

limage.add(cb4);

limage.add(cb5);

limage.add(cb6);

limage.add(b1);

b1.addActionListener(this);

}

public void actionPerformed(ActionEvent e)

{

st\_total = 0;

String s;

int x;

if(c1.isSelected())

{

s = cb1.getSelectedItem().toString();

if(s.equals(" "))

{

x = 0;

}

else

{

x = Integer.parseInt(s);

}

st\_total = st\_total +(250 \* x);

}

if(c2.isSelected())

{

s = cb2.getSelectedItem().toString();

if(s.equals(" "))

{

x = 0;

}

else

{

x = Integer.parseInt(s);

}

st\_total = st\_total +(250 \* x);

}

if(c3.isSelected())

{

s = cb3.getSelectedItem().toString();

if(s.equals(" "))

{

x = 0;

}

else

{

x = Integer.parseInt(s);

}

st\_total = st\_total +(240 \* x);

}

if(c4.isSelected())

{

s = cb4.getSelectedItem().toString();

if(s.equals(" "))

{

x = 0;

}

else

{

x = Integer.parseInt(s);

}

st\_total = st\_total +(210 \* x);

}

if(c5.isSelected())

{

s = cb5.getSelectedItem().toString();

if(s.equals(" "))

{

x = 0;

}

else

{

x = Integer.parseInt(s);

}

st\_total = st\_total +(245 \* x);

}

if(c6.isSelected())

{

s = cb6.getSelectedItem().toString();

if(s.equals(" "))

{

x = 0;

}

else

{

x = Integer.parseInt(s);

}

st\_total = st\_total +(250 \* x);

}

//System.out.println("Your starters total amount is "+st\_total);

this.setVisible(false);

food\_of\_starters.setVisible(true);

}

}

class Desserts extends JFrame implements ActionListener //b6

{

JLabel limage;

JCheckBox c1,c2,c3,c4,c5,c6;

JComboBox cb1,cb2,cb3,cb4,cb5,cb6;

JButton b1;

String qty[] = {" ","1","2","3","4"};

Menu food\_of\_desserts;

int des\_total;

Desserts(Menu m)

{

//CREATING REFERENCE FROM WHERE IT IS CALLED

food\_of\_desserts = m;

//CREATING OBJECTS

//OBJECTS OF JCheckBox

ImageIcon i = new ImageIcon("D:\\ENGINEERING SEMESTER - 3\\JAVA\\Java Project\\desserts.JPG");

limage = new JLabel(i);

c1 = new JCheckBox("VANILLA ICE-CREAM -----Rs 180");

c2 = new JCheckBox("CHOCOLATE ICE-CREAM ---Rs 200");

c3 = new JCheckBox("DRY-FRUIT FALOODA -----Rs 250");

c4 = new JCheckBox("DRINKING FALOODA ------Rs 220");

c5 = new JCheckBox("GULAB JAMUN -----------Rs 100");

c6 = new JCheckBox("CHOCOLATE BROWINE -----Rs 250");

//OBJECTS OF JComboBox

cb1 = new JComboBox(qty);

cb2 = new JComboBox(qty);

cb3 = new JComboBox(qty);

cb4 = new JComboBox(qty);

cb5 = new JComboBox(qty);

cb6 = new JComboBox(qty);

//OBJECT OF JButton

b1 = new JButton("OKAY");

//ADDING setBounds

limage.setBounds(0,0,800,450);

c1.setBounds(50,50,220,30);

cb1.setBounds(300,50,50,30);

c2.setBounds(450,50,230,30);

cb2.setBounds(700,50,50,30);

c3.setBounds(50,100,220,30);

cb3.setBounds(300,100,50,30);

c4.setBounds(450,100,220,30);

cb4.setBounds(700,100,50,30);

c5.setBounds(50,150,220,30);

cb5.setBounds(300,150,50,30);

c6.setBounds(450,150,230,30);

cb6.setBounds(700,150,50,30);

b1.setBounds(350,200,100,30);

//ADDING TO THE FRAME

this.add(limage);

limage.add(c1);

limage.add(c2);

limage.add(c3);

limage.add(c4);

limage.add(c5);

limage.add(c6);

limage.add(cb1);

limage.add(cb2);

limage.add(cb3);

limage.add(cb4);

limage.add(cb5);

limage.add(cb6);

limage.add(b1);

b1.addActionListener(this);

}

public void actionPerformed(ActionEvent e)

{

des\_total = 0;

String s;

int x;

if(c1.isSelected())

{

s = cb1.getSelectedItem().toString();

if(s.equals(" "))

{

x = 0;

}

else

{

x = Integer.parseInt(s);

}

des\_total = des\_total +(180 \* x);

}

if(c2.isSelected())

{

s = cb2.getSelectedItem().toString();

if(s.equals(" "))

{

x = 0;

}

else

{

x = Integer.parseInt(s);

}

des\_total = des\_total +(200 \* x);

}

if(c3.isSelected())

{

s = cb3.getSelectedItem().toString();

if(s.equals(" "))

{

x = 0;

}

else

{

x = Integer.parseInt(s);

}

des\_total = des\_total +(250 \* x);

}

if(c4.isSelected())

{

s = cb4.getSelectedItem().toString();

if(s.equals(" "))

{

x = 0;

}

else

{

x = Integer.parseInt(s);

}

des\_total = des\_total +(220 \* x);

}

if(c5.isSelected())

{

s = cb5.getSelectedItem().toString();

if(s.equals(" "))

{

x = 0;

}

else

{

x = Integer.parseInt(s);

}

des\_total = des\_total +(100 \* x);

}

if(c6.isSelected())

{

s = cb6.getSelectedItem().toString();

if(s.equals(" "))

{

x = 0;

}

else

{

x = Integer.parseInt(s);

}

des\_total = des\_total +(250 \* x);

}

//System.out.println("Your desserts total amount is "+des\_total);

this.setVisible(false);

food\_of\_desserts.setVisible(true);

}

}

class Soft\_Drink extends JFrame implements ActionListener //b0

{

JLabel limage;

JCheckBox c1,c2,c3,c4,c5,c6;

JComboBox cb1,cb2,cb3,cb4,cb5,cb6;

JButton b1;

String qty[] = {" ","1","2","3","4"};

Menu food\_of\_soft\_drinks;

int sd\_total;

Soft\_Drink(Menu m)

{

//CREATING REFERENCE FROM WHERE IT IS CALLED

food\_of\_soft\_drinks = m;

//CREATING OBJECTS

//OBJECTS OF JCheckBox

ImageIcon i = new ImageIcon("D:\\ENGINEERING SEMESTER - 3\\JAVA\\Java Project\\drinks.JPG");

limage = new JLabel(i);

c1 = new JCheckBox("MOJITO ----------------Rs 200");

c2 = new JCheckBox("BLUEBERRY MINT --------Rs 200");

c3 = new JCheckBox("ORANGE JUICE ----------Rs 150");

c4 = new JCheckBox("MOSAMBI JUICE ---------Rs 150");

c5 = new JCheckBox("CHOCOLATE SHAKE -------Rs 150");

c6 = new JCheckBox("MANGO SHAKE -----------Rs 150");

//OBJECTS OF JComboBox

cb1 = new JComboBox(qty);

cb2 = new JComboBox(qty);

cb3 = new JComboBox(qty);

cb4 = new JComboBox(qty);

cb5 = new JComboBox(qty);

cb6 = new JComboBox(qty);

//OBJECT OF JButton

b1 = new JButton("OKAY");

//ADDING setBounds

limage.setBounds(0,0,800,450);

c1.setBounds(50,50,220,30);

cb1.setBounds(300,50,50,30);

c2.setBounds(450,50,220,30);

cb2.setBounds(700,50,50,30);

c3.setBounds(50,100,220,30);

cb3.setBounds(300,100,50,30);

c4.setBounds(450,100,220,30);

cb4.setBounds(700,100,50,30);

c5.setBounds(50,150,220,30);

cb5.setBounds(300,150,50,30);

c6.setBounds(450,150,220,30);

cb6.setBounds(700,150,50,30);

b1.setBounds(350,200,100,30);

//ADDING TO THE FRAME

this.add(limage);

limage.add(c1);

limage.add(c2);

limage.add(c3);

limage.add(c4);

limage.add(c5);

limage.add(c6);

limage.add(cb1);

limage.add(cb2);

limage.add(cb3);

limage.add(cb4);

limage.add(cb5);

limage.add(cb6);

limage.add(b1);

b1.addActionListener(this);

}

public void actionPerformed(ActionEvent e)

{

sd\_total = 0;

String s;

int x;

if(c1.isSelected())

{

s = cb1.getSelectedItem().toString();

if(s.equals(" "))

{

x = 0;

}

else

{

x = Integer.parseInt(s);

}

sd\_total = sd\_total +(200 \* x);

}

if(c2.isSelected())

{

s = cb2.getSelectedItem().toString();

if(s.equals(" "))

{

x = 0;

}

else

{

x = Integer.parseInt(s);

}

sd\_total = sd\_total +(200 \* x);

}

if(c3.isSelected())

{

s = cb3.getSelectedItem().toString();

if(s.equals(" "))

{

x = 0;

}

else

{

x = Integer.parseInt(s);

}

sd\_total = sd\_total +(150 \* x);

}

if(c4.isSelected())

{

s = cb4.getSelectedItem().toString();

if(s.equals(" "))

{

x = 0;

}

else

{

x = Integer.parseInt(s);

}

sd\_total = sd\_total +(150 \* x);

}

if(c5.isSelected())

{

s = cb5.getSelectedItem().toString();

if(s.equals(" "))

{

x = 0;

}

else

{

x = Integer.parseInt(s);

}

sd\_total = sd\_total +(150 \* x);

}

if(c6.isSelected())

{

s = cb6.getSelectedItem().toString();

if(s.equals(" "))

{

x = 0;

}

else

{

x = Integer.parseInt(s);

}

sd\_total = sd\_total +(150 \* x);

}

//System.out.println("Your drinks total amount is "+sd\_total);

this.setVisible(false);

food\_of\_soft\_drinks.setVisible(true);

}

}

class Bill extends JFrame

{

JLabel limage,ltotal;

int total=0;

Bill(Menu t)

{

ImageIcon i = new ImageIcon("D:\\ENGINEERING SEMESTER - 3\\JAVA\\Java Project\\Thankyou.JPG");

limage = new JLabel(i);

ltotal = new JLabel();

ltotal.setFont(new Font("Algerian",Font.BOLD,40));

total = total + t.si.si\_total;

total = total + t.chi.chi\_total;

total = total + t.pv.pv\_total;

total = total + t.pi.pi\_total;

total = total + t.st.st\_total;

total = total + t.des.des\_total;

total = total + t.sd.sd\_total;

limage.setBounds(0,0,800,250);

ltotal.setBounds(100,300,600,50);

this.add(limage);

this.add(ltotal);

ltotal.setText("Yout total bill is "+total+"/-");

}

}

class Menu extends JFrame implements ActionListener

{

JLabel lname, lbackground;

JButton b0,b1,b2,b3,b4,b5,b6,b7,b8;

//creating references of each and every single class

South\_Indian si; //b1

Chinese chi; //b2

Pav\_Bhaji pv; //b3

Pizza pi; //b4

Starters st; //b5

Desserts des; //b6

Soft\_Drink sd; //b0

Bill bi; //b8

Menu()

{

lname = new JLabel("--- ROYAL HOTEL ---");

lname.setForeground(Color.white);

lname.setFont(new Font("Algerian",Font.BOLD,65));

ImageIcon i = new ImageIcon("D:\\ENGINEERING SEMESTER - 3\\JAVA\\Java Project\\background 003.JPEG");

lbackground = new JLabel(i);

b0 = new JButton("DRINKS");

b1 = new JButton("SOUTH INDIAN");

b2 = new JButton("CHINESE");

b3 = new JButton("PAV BHAJI");

b4 = new JButton("PIZZA");

b5 = new JButton("STARTERS");

b6 = new JButton("DESSERTS");

b7 = new JButton("A");

b8 = new JButton("BILL");

lbackground.setBounds(0,0,800,450);

lname.setBounds(100,80,700,60);

b1.setBounds(100,150,150,25);

b2.setBounds(325,150,150,25);

b3.setBounds(550,150,150,25);

b4.setBounds(100,200,150,25);

b5.setBounds(325,200,150,25);

b6.setBounds(550,200,150,25);

b7.setBounds(100,250,150,25);

b0.setBounds(325,250,150,25);

b8.setBounds(325,350,150,25);

b0.addActionListener(this);

b1.addActionListener(this);

b2.addActionListener(this);

b3.addActionListener(this);

b4.addActionListener(this);

b5.addActionListener(this);

b6.addActionListener(this);

b7.addActionListener(this);

b8.addActionListener(this);

this.add(lbackground);

lbackground.add(lname);

lbackground.add(b0);

lbackground.add(b1);

lbackground.add(b2);

lbackground.add(b3);

lbackground.add(b4);

lbackground.add(b5);

lbackground.add(b6);

lbackground.add(b8);

//creating object of each and every single class

si = new South\_Indian(this); //b1

chi = new Chinese(this); //b2

pv = new Pav\_Bhaji(this); //b3

pi = new Pizza(this); //b4

st = new Starters(this); //b5

des = new Desserts(this); //b6

sd = new Soft\_Drink(this); //b0

}

public void actionPerformed(ActionEvent e)

{

if(e.getActionCommand().equals("SOUTH INDIAN")) //b1

{

this.setVisible(false);

si.setLayout(null);

si.setLocation(200,200);

si.setSize(800,450);

si.setTitle("South Indian");

si.setVisible(true);

si.setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE);

}

else if(e.getActionCommand().equals("CHINESE")) //b2

{

this.setVisible(false);

chi.setLayout(null);

chi.setLocation(200,200);

chi.setSize(800,450);

chi.setTitle("Chinese");

chi.setVisible(true);

chi.setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE);

}

else if(e.getActionCommand().equals("PAV BHAJI")) //b3

{

this.setVisible(false);

pv.setLayout(null);

pv.setLocation(200,200);

pv.setSize(800,450);

pv.setTitle("Pav Bhaji");

pv.setVisible(true);

pv.setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE);

}

else if(e.getActionCommand().equals("PIZZA")) //b4

{

this.setVisible(false);

pi.setLayout(null);

pi.setLocation(200,200);

pi.setSize(800,450);

pi.setTitle("Pizza");

pi.setVisible(true);

pi.setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE);

}

else if(e.getActionCommand().equals("STARTERS")) //b5

{

this.setVisible(false);

st.setLayout(null);

st.setLocation(200,200);

st.setSize(800,450);

st.setTitle("Starters");

st.setVisible(true);

st.setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE);

}

else if(e.getActionCommand().equals("DESSERTS")) //b6

{

this.setVisible(false);

des.setLayout(null);

des.setLocation(200,200);

des.setSize(800,450);

des.setTitle("Desserts");

des.setVisible(true);

des.setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE);

}

else if(e.getActionCommand().equals("DRINKS")) //b0

{

this.setVisible(false);

sd.setLayout(null);

sd.setLocation(200,200);

sd.setSize(800,450);

sd.setTitle("Drinks");

sd.setVisible(true);

sd.setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE);

}

else if(e.getActionCommand().equals("BILL")) //b8

{

this.setVisible(false);

bi = new Bill(this);

bi.setLayout(null);

bi.setLocation(200,200);

bi.setSize(800,450);

bi.setTitle("Bill");

bi.setVisible(true);

bi.setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE);

}

}

public static void main(String args[])

{

Menu m = new Menu();

m.setLayout(null);

m.setLocation(200,200);

m.setSize(800,450);

m.setTitle("Menu");

m.setVisible(true);

m.setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE);

}

}

**Output:**

















