Java Project

P.Divya

BK 02

Project name: Food Ordering System at a food court

Project Explanation: Food Order is a simple Java project that is designed for storing the menu details of the hotel or any restaurant. Here you can order food from different categories. You can simultaneously select the number of items you want to buy. You can also calculate the total bill

Question:

Write a Java program for a simple food ordering system at a food court. Implement the following functionalities:

➢ Present a menu with options for a burger, fries, and soda, each with their respective prices.

➢ Allow the user to select an item from the menu and specify the quantity of the selected item.

➢ Calculate and display the subtotal for each item based on the quantity and price.

➢ Keep track of the running total for all items ordered.

➢ Provide an option to finish the order and display the final total amount.

➢ Ensure the program handles invalid menu options and displays appropriate messages

Program:

```
import java.util.Scanner;

     public class Sample1 {

          public double subTotal;

               public static double runningTotal;

               private static double itemPrice;

               static boolean ordering = true;

               static Scanner input = new Scanner(System.in);

               static double j=0.0;

               public static void main(String[] args) {

               int menuOption;

               int foodItem = 0;

               input = new Scanner(System.in);

               double runningTotal=0;

               while(ordering)

               {
               menu();

               menuOption = input.nextInt();

               switch(menuOption){

               case 1:

               foodItem = 1;

               runningTotal += ItemPrice(foodItem);

               break;
```

```
case 2:

foodItem = 2;

runningTotal += ItemPrice(foodItem);

break;

case 3:

foodItem = 3;

runningTotal += ItemPrice(foodItem);

break;

case 4:

done(runningTotal);

break;

default:

System.out.println("Invalid option.");

}
}
     System.out.println("Total amount: " +
runningTotal);

}
public static void menu() {

System.out.println("WELCOME TO FOOD COURT \n1.
Burger (

     40) \n2. Fries (50)\n3. Soda (30) \n4. TO
EXIT");
}

public static double ItemPrice(int foodItem) {

if (foodItem == 1) {

          System.out.println("You've ordered a
     burger");

    itemPrice = 40;
}
if (foodItem == 2) {
```

```
        System.out.println("You've ordered fries");

        itemPrice = 50;
    }
    if (foodItem == 3) {

         System.out.println("You've ordered a
         soda");

        itemPrice = 30;
    }
    quantity();

    return j;
    }

    public static double quantity() {

    System.out.println("Enter quantity");

    double quantity = input.nextDouble();

    subTotal(quantity, itemPrice);

    return quantity;
    }

    public static double subTotal(double quantity,
    double

    itemPrice) {

    double subTotal = quantity * itemPrice;

    //System.out.println("Total Amount: " +
    subTotal);

    j=subTotal;

    return subTotal;
    }

    public static void done(double runningTotal) {

    ordering = false;

    System.out.println("Enjoy your meal");

    }
    }
```

Thank You