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INTRODUCTION

Restaurant Management System:

The first restaurant of this kind was opened in **1765 or 1766** by Mathurin Roze de Chantoiseau on rue des Poulies.

A fully featured Restaurant Management System with proper operation is implemented including Login with username and password for authentication for the Manager, menu for customer in which there are various dishes in different categories and also Manager can see the profile of any working employee in which their name, experience, expertise and also many more options are available but for this manager must need to enter the correct login id and password. The customer can able to order any dishes, after which customer can see the total orders details with price and also the total cost.

The Restaurant Management System project is written in Java language for the personal mini-project. In this Restaurant Management System we can choose the food menu and choose the food menu and order the dishes in which it will calculate all the cost give you the total orders and the total cost. The libraries used for implementation in project are `java.util.Scanner`, `java.util.*`.

Basic Features

1. **Login:** - Only Manager can access the Employee profile with the help of username and password.
2. **Manager can access the Employee Profile:** - There are different employees are available from different department in this Restaurant like master chef, waiter, Security Guard, Room Cleaner and Cashier Department.
3. **Customer can see the menu:-** There are various types of dishes are available in our Restaurant in which you can see the menu here separately and order the food like Starter, Veg, Non-Veg, Desserts, Beverages, Fast-Food and Ice cream, in which various types of food are available with their price.
4. **Customer can order dishes according to the menu:-** There are menu different dishes in different categories which will help the customer to find their favourite dish easily.
5. **It will show the Total orders list:** - When the customer orders their food or drinks, then at last it will show the list of all the orders with their price.
6. **It will also calculate total cost for the dishes:** - After the orders it will calculate the individual cost and then it will gives the total.
7. **Manager can also see his own profile:** - Manager can also able to see his/her own profile after accessing the login credential with correct username and password.
8. **Customer can order multiple dishes at one time:** - Customer can add more than one or two orders at once which will help the user to order the food very quickly.

PROPOSED SYSTEM

The following documentation is a project the “Name of term paper allotted”. It is a detailed summary of all the drawbacks of the old system and how the new proposed system overcomes these shortcomings. The new system takes into account the various factors while designing a new system. It keeps into account the economical bandwidth available for the new system.

The foremost thing that is taken care is the need and requirements of the user.

Description :

Before developing software we keep following things in mind that we can develop powerful and quality software.

Problem Statement :

Problem statement was to design a module:

- Which is user friendly.
- Which will restrict the user from accessing other user's data.
- Which will help user in viewing his data and privileges.
- Which will help the administrator to handle all the changes.
- Which is multifunctional.

Function to be provided :

The system will be user friendly and completely menu driven so that the users shall have no problem in using all options.

- The system will be efficient and fast in response.
- The system will be customized according to needs.

System Requirement :

Operating System: Windows XP, Windows 10, Linux, Mac OS

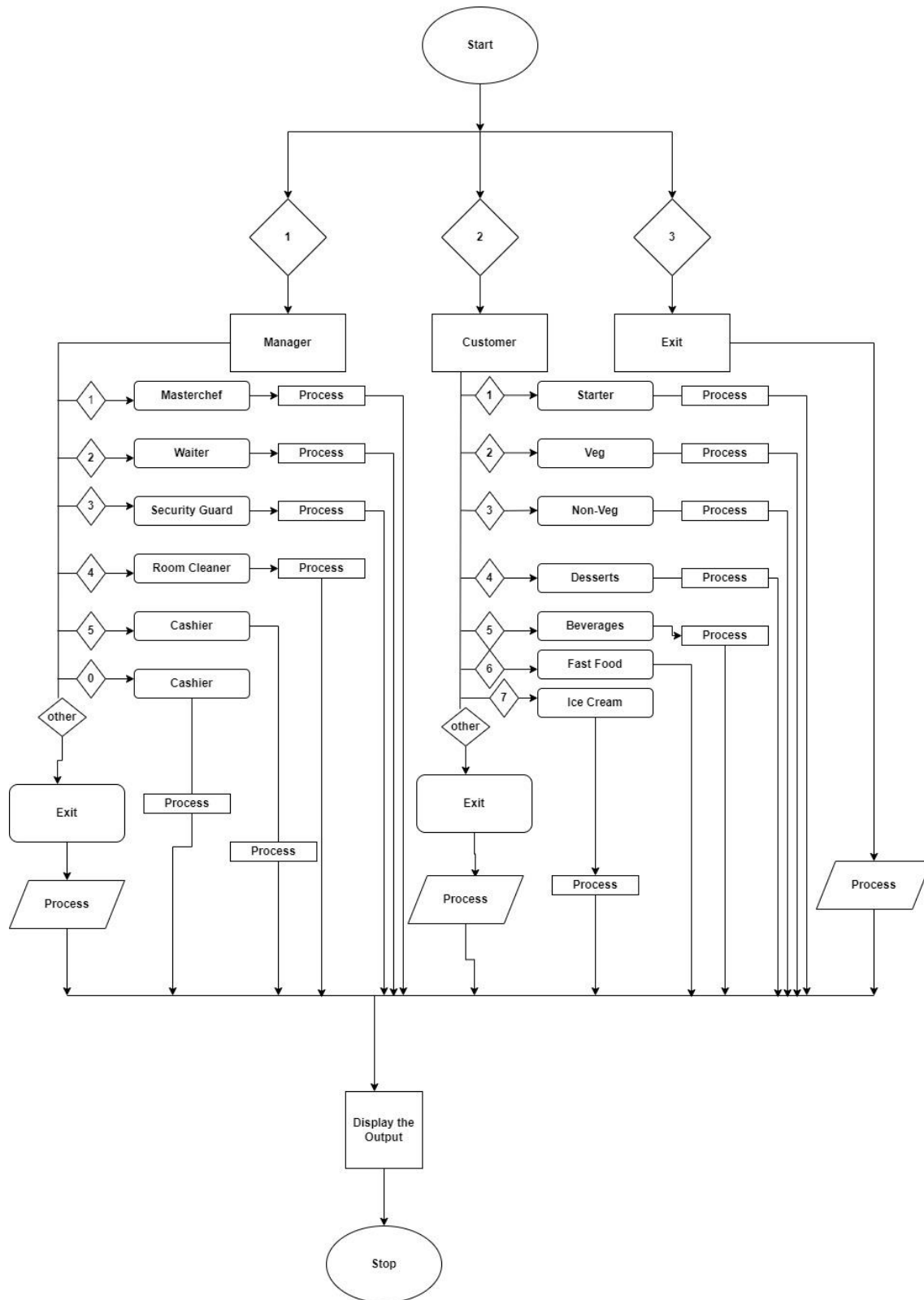
Language: JAVA Language

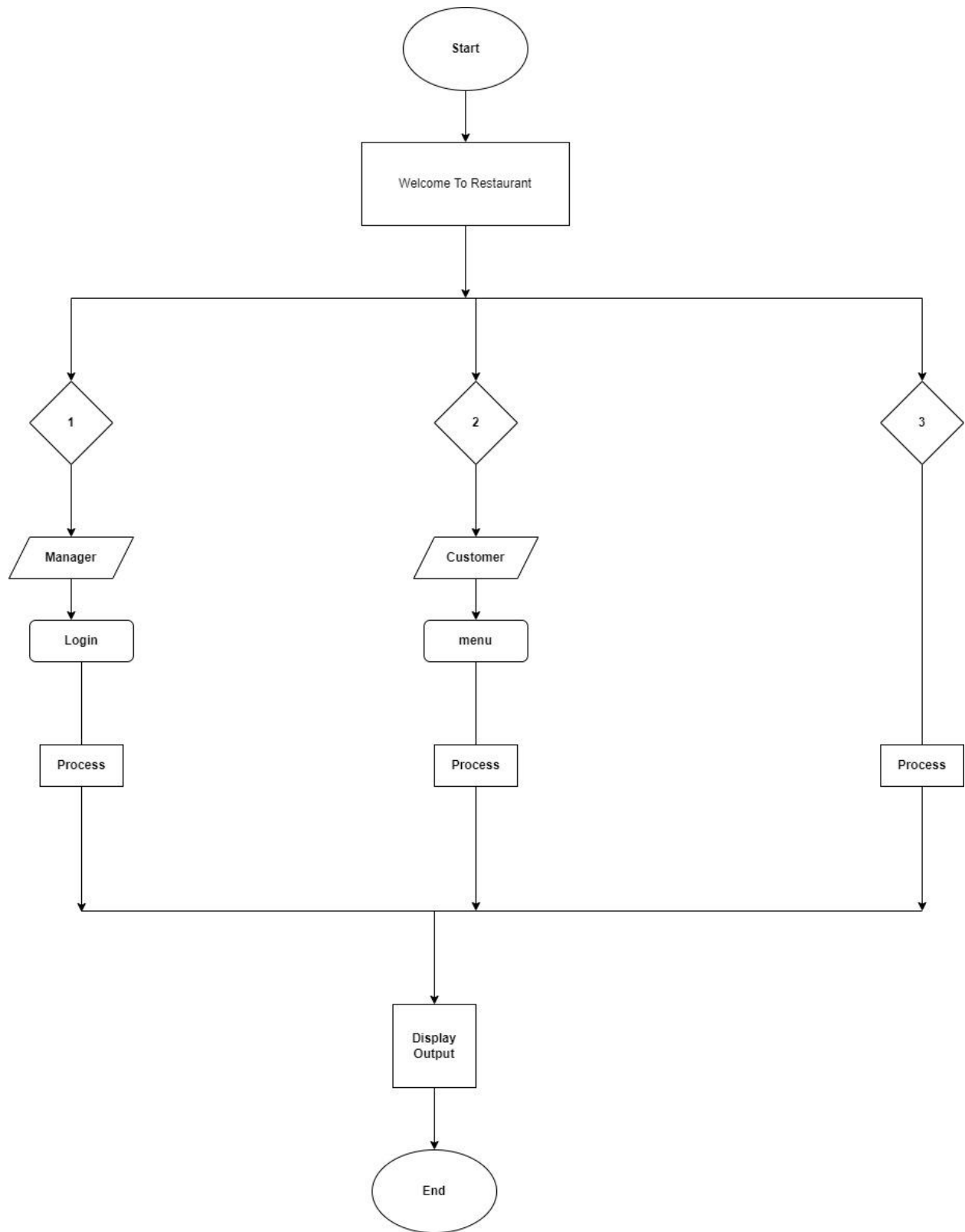
Processor: Pentium IV, Intel core i3, Ryzen, RAM : 512 MB . Hard disk: 2 GB

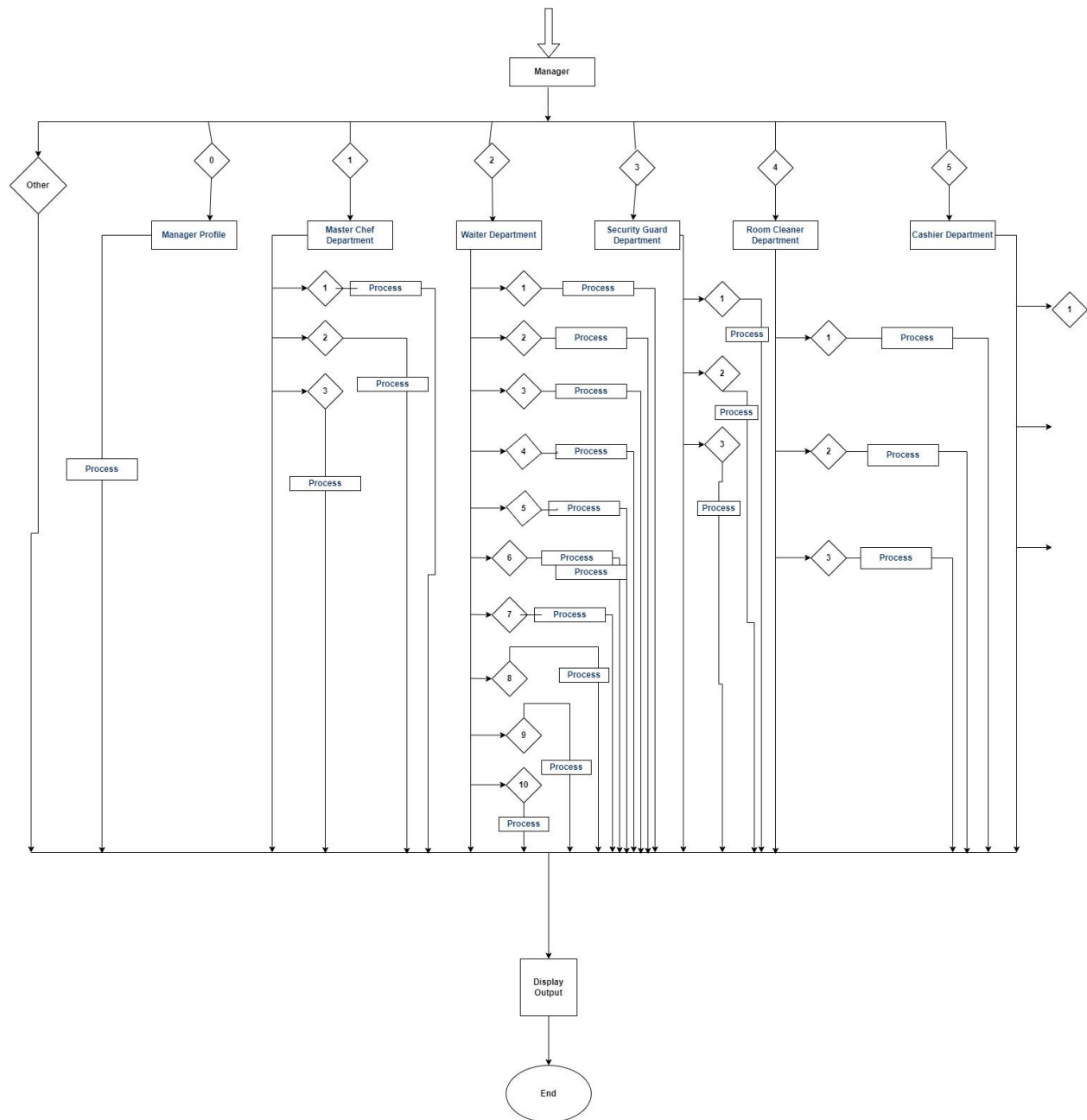
System Design

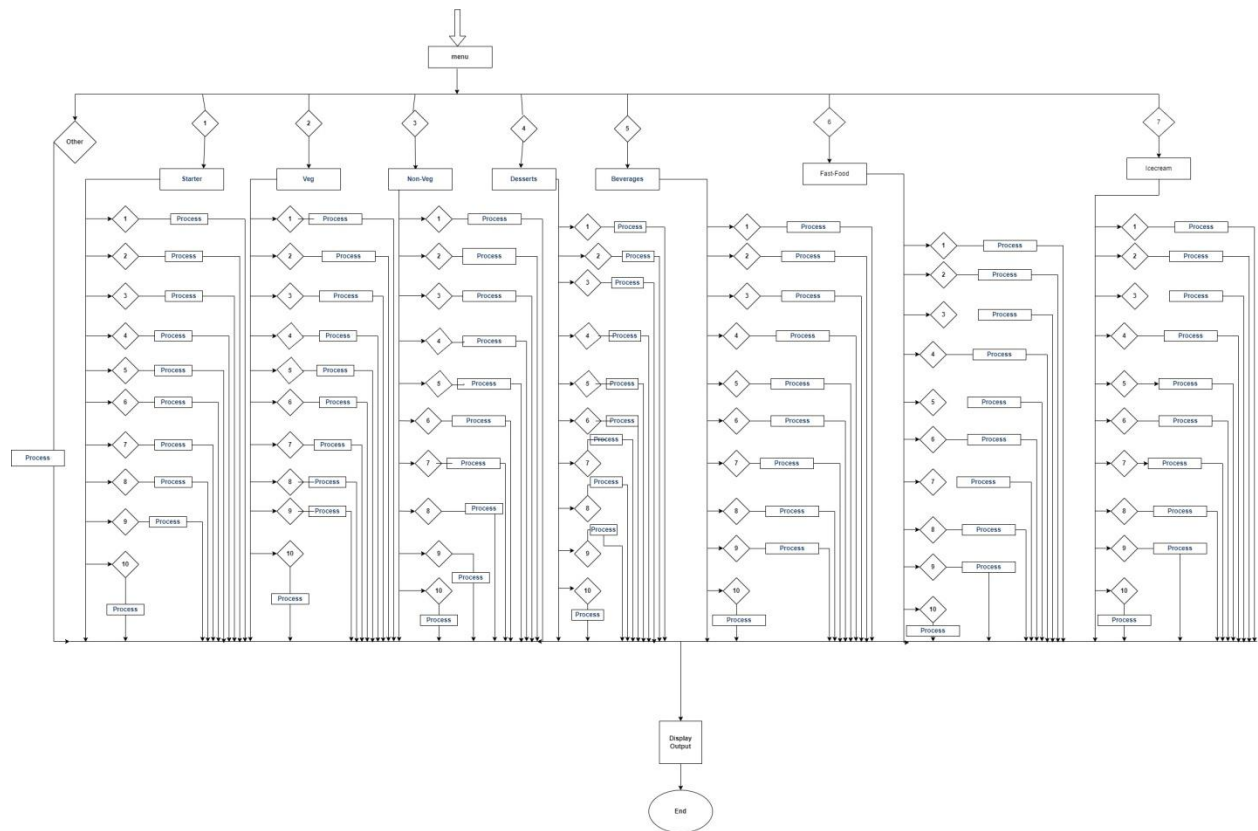
Then we began with the design phase of the system. System design is a solution of 5W and 1H, “Why” “What”, “Who”, “When”, “Where” and “How to” approach to the creation of a new system. It translates system requirements into ways by which they can be made operational. It is a translational from a user oriented document to a document oriented programmers. For that it provides the understanding and procedural details necessary for the implementation. Here we use Flowchart to supplement the working of the new system. The system thus made should be reliable, durable and above all should have least possible maintenance costs. It should overcome all the drawbacks of the old existing system and most important of all meet the user requirements.

Flow Chart









Coding :

1. main.java:-

```
Import java.util.*;
import java.util.Scanner; // Java package used for taking input in java
// Declaring main class named as Restaurant
class Restaurant{
    // Declaration of method function named login().
    static void login(){
        System.out.println("Login");
        //Declaration of variable.
        String Username;
        String Password;
        Password = "123";
        Username = "wisdom";
        // Declaration and use of Scanner package
        Scanner input1 = new Scanner(System.in);
        System.out.println("Enter Username : ");
        String username = input1.next();
        Scanner input2 = new Scanner(System.in);
        System.out.println("Enter Password : ");
        String password = input2.next();
        // Starting conditional if else statement to check the credentials
        if (username.equals(Username) && password.equals(Password)) {
            System.out.println("Access Granted! Welcome!\n");
            // Accessing the Manager class with the help of mng object from the
            Manager file.
            Manager mng = new Manager();
            mng.manager();
        }
        else if (username.equals(Username)) {
            System.out.println("Invalid Password!");
        } else if (password.equals(Password)) {
            System.out.println("Invalid Username!");
        } else {
            System.out.println("Invalid Username & Password!");
        }
    }
}
// main function for running the programs
public static void main(String []args) {
    System.out.println("\n\n ***** Welcome to Restaurant ***** \n\n");
```

```
// These are the list of our Access menu.
System.out.println("For Manager press 1 ");
System.out.println("For Customer press 2 ");
System.out.println("For Exit press 3 ");
Scanner sc = new Scanner(System.in);
int enter = sc.nextInt();
// Using the conditional statement for using/running the program
accordingly.
if(enter == 1){
    // Calling the login() method which is of type static.
    login();
}
else if(enter == 2){
    // Accessing the menu class with the help of mn Objects from the menu file.
    menu mn = new menu();
    mn.Food();
}
else{
    // In case wrong inputs it will exit the program after else statement.
    System.out.println("Thanks For Coming");
}
}
}
```

2. manager.java

```
Import util.*;
import java.util.Scanner; // Java package used for taking input in java
// Declaration of Manager class
public class Manager {
    // Declaration of manager method.
    public void manager(){
        System.out.println("    Welcome Manager  \n\n");
        System.out.println("Enter Your Choice whom profile You want to see\n");
        // These are the list of Working Department.
        System.out.println("Enter 0 for Manager Profile");
        System.out.println("Enter 1 for Master Chef Department");
        System.out.println("Enter 2 for Waiter Department");
        System.out.println("Enter 3 for Security Guard Department");
        System.out.println("Enter 4 for Room Cleaner Department");
        System.out.println("Enter 5 for Cashier Department\n");
        // Here You can choose the Working Department whom you want to see the
        profile.
        Scanner sc = new Scanner(System.in);
        int choice = sc.nextInt();

        switch(choice){
            // This is the profile of manager.
            case 0:
                System.out.println("Manager Profile");
                System.out.println("Name - Mr. Rahul Singh");
                System.out.println("Age - 30 years");
                System.out.println("Education : - MBA");
                System.out.println("Working since - 7 years and 9 months");
                System.out.println("Salary = RS. 105000");
                System.out.println("Contact mail:- rahulamba@gmail.com");
                break;
            case 1:
                System.out.println("Master Chef\n");
                System.out.println("Enter the person profile\n");
                // These are the list of Masterchefs.
                System.out.println("Enter 1 for Mr. ABC profile ");
                System.out.println("Enter 2 for Mr. BCD profile");
```

```

System.out.println("Enter 3 for Mr. CDE profile\n");
Scanner sc1 = new Scanner(System.in);
int masterchef = sc1.nextInt();
// Here You can select the profile of the Masterchefs.
switch(masterchef){
    // *** Masterchef ***
    case 1:
        System.out.println("Name - Mr. ABC");
        System.out.println("Age - 31 years");
        System.out.println("Speciality : - Kadhai Paneer");
        System.out.println("Working since - 2 years and 3 months");
        System.out.println("Salary = RS. 55000");
        System.out.println("Contact mail:- ABC@gmail.com");
        break;
    case 2:
        System.out.println("Name - Mr. BCD");
        System.out.println("Age - 28 years");
        System.out.println("Speciality : - Chicken Tandoori");
        System.out.println("Working since - 1 years and 2 months");
        System.out.println("Salary = RS. 45000");
        System.out.println("Contact mail:- BCD@gmail.com");
        break;
    case 3:
        System.out.println("Name - Mr. CDE");
        System.out.println("Age - 37 years");
        System.out.println("Speciality : - Noodles");
        System.out.println("Working since - 5 years and 5 months");
        System.out.println("Salary = RS. 65000");
        System.out.println("Contact mail:- CDE@gmail.com");
        break;
    default:
        System.out.println("SORRY! Wrong Input");
}
break;
// *** Waiter ***
case 2:
    System.out.println("Waiter\n");
    System.out.println("Enter the Waiter profile\n");
    // These are the list of Waiters;
    System.out.println("Enter 1 for Mr. PQRS profile ");
    System.out.println("Enter 2 for Mr. QRSTprofile ");
    System.out.println("Enter 3 for Mr. RSTU profile ");
    System.out.println("Enter 4 for Mr. STUV profile ");
    System.out.println("Enter 5 for Mr. TUVW profile ");
    System.out.println("Enter 6 for Mr. UVWX profile ");
    System.out.println("Enter 7 for Mr. VWXY profile ");

```

```

System.out.println("Enter 8 for Mr. WXYZ profile ");
System.out.println("Enter 9 for Mr. XYZA profile ");
System.out.println("Enter 10 for Mr. YZAB profile \n");
// Here You can choose the profile of Waiters.
Scanner sc2 = new Scanner(System.in);
int waiter = sc2.nextInt();
switch(waiter){
    case 1:
        System.out.println("Name - Mr. PQRS");
        System.out.println("Age - 38 years");
        System.out.println("Working since - 6 years and 7 months");
        System.out.println("Salary = RS. 40000");
        System.out.println("Contact mail:- PQRS@gmail.com");
        break;
    case 2:
        System.out.println("Name - Mr. QRST");
        System.out.println("Age - 28 years");
        System.out.println("Working since - 1 years and 9 months");
        System.out.println("Salary = RS. 25000");
        System.out.println("Contact mail:- QRST@gmail.com");
        break;
    case 3:
        System.out.println("Name - Mr. RSTU");
        System.out.println("Age - 20 years");
        System.out.println("Working since - 0 Years 6 months");
        System.out.println("Salary = RS. 15000");
        System.out.println("Contact mail:- RSTU@gmail.com");
        break;
    case 4:
        System.out.println("Name - Mr. STUV");
        System.out.println("Age - 33 years");
        System.out.println("Working since - 3 years and 2 months");
        System.out.println("Salary = RS. 33500");
        System.out.println("Contact mail:- STUV@gmail.com");
        break;
    case 5:
        System.out.println("Name - Mr. TUVW");
        System.out.println("Age - 29 years");
        System.out.println("Working since - 2 years");
        System.out.println("Salary = RS. 31000");
        System.out.println("Contact mail:- TUVW@gmail.com");
        break;
    case 6:
        System.out.println("Name - Mr. UVWX");
        System.out.println("Age - 23 years");
        System.out.println("Working since - 0 years and 3 months");

```

```

        System.out.println("Salary = RS. 12000");
        System.out.println("Contact mail:- UVWX@gmail.com");
        break;
    case 7:
        System.out.println("Name - Mr. VWXY");
        System.out.println("Age - 35 years");
        System.out.println("Working since - 3 years and 5 months");
        System.out.println("Salary = RS. 38500");
        System.out.println("Contact mail:- VWXY@gmail.com");
        break;
    case 8:
        System.out.println("Name - Mr. WXYZ");
        System.out.println("Age - 29 years");
        System.out.println("Working since - 4 years and 5 months");
        System.out.println("Salary = RS. 34500");
        System.out.println("Contact mail:- WXYZ@gmail.com");
        break;
    case 9:
        System.out.println("Name - Mr. XYZA");
        System.out.println("Age - 18 years");
        System.out.println("Working since - 0 years and 1 months");
        System.out.println("Salary = RS. 15000");
        System.out.println("Contact mail:- XYZA@gmail.com");
        break;
    case 10:
        System.out.println("Name - Mr. YZAB");
        System.out.println("Age - 46 years");
        System.out.println("Working since - 3 years and 7 months");
        System.out.println("Salary = RS. 37500");
        System.out.println("Contact mail:- YZAB@gmail.com");
        break;
    default:
        System.out.println("SORRY! Wrong Input");
        break;
    }
    break;
// *** Security Guard ***
    case 3:
        System.out.println("Scurity Guard\n");
        System.out.println("Enter Scurity Guard choice profile\n");
        // These are the list of Security Guards.
        System.out.println("Enter 1 for Rakesh Kumar profile ");
        System.out.println("Enter 2 for Aryan Sharma ");
        System.out.println("Enter 3 for Gautam Singh \n");
        // Here You can choose the profile of Security Guards.
        Scanner sc3 = new Scanner(System.in);

```

```

int guard = sc3.nextInt();
switch(guard){
    case 1:
        System.out.println("Name - Rakesh Kumar");
        System.out.println("Age - 39 years");
        System.out.println("Working since - 5 years and 4 months");
        System.out.println("Salary = RS. 20000");
        System.out.println("Contact mail:- NA");
        break;
    case 2:
        System.out.println("Name - Aryan Sharma");
        System.out.println("Age - 35 years");
        System.out.println("Working since - 4 years and 3 months");
        System.out.println("Salary = RS. 18000");
        System.out.println("Contact mail:- NA");
        break;
    case 3:
        System.out.println("Name - Gautam Singh");
        System.out.println("Age - 30 years");
        System.out.println("Working since - 2 years and 3 months");
        System.out.println("Salary = RS. 15000");
        System.out.println("Contact mail:- NA");
        break;
    default:
        System.out.println("SORRY! Wrong input");
        break;
}
break;
// *** Room Cleaner ***
case 4:
    System.out.println("Room Cleaner\n");
    System.out.println("Enter choice of room cleaner profile\n");
    // These are the list of Room Cleaners.
    System.out.println("Enter 1 for Ravindra Kumar profile ");
    System.out.println("Enter 2 for Raju Srivastav profile ");
    System.out.println("Enter 3 for Ramu Singh profile \n");
    // Here You can choose the profile of Room cleaners.
    Scanner sc4 = new Scanner(System.in);
    int cleaner = sc4.nextInt();
    switch(cleaner){
        case 1:
            System.out.println("Name - Ravindra Kumar");
            System.out.println("Age - 37 years");
            System.out.println("Working since - 2 years and 4 months");
            System.out.println("Salary = RS. 11000");
            System.out.println("Contact mail:- NA");

```



```

        break;
    case 2:
        System.out.println("Name - Raju srivastav");
        System.out.println("Age - 39 years");
        System.out.println("Working since - 3 years and 3 months");
        System.out.println("Salary = RS. 13000");
        System.out.println("Contact mail:- NA");
        break;
    case 3:
        System.out.println("Name - Ramu Singh");
        System.out.println("Age - 42 years");
        System.out.println("Working since - 2 years and 3 months");
        System.out.println("Salary = RS. 12000");
        System.out.println("Contact mail:- NA");
        break;
    default:
        System.out.println("SORRY! Wrong Input");
        break;
}
break;
// *** Cashier ***
case 5:
    System.out.println("Cashier\n");
    System.out.println("Enter Cashier Profile\n");
    // These are the list of Cashier's.
    System.out.println("Enter 1 for Mr. XYZ profile ");
    System.out.println("Enter 2 for Mr. YST profile ");
    System.out.println("Enter 3 for Mr. VWX profile \n");
    // Here You can choose the Cashier's profile
    Scanner sc5 = new Scanner(System.in);
    int cashier = sc5.nextInt();
    switch(cashier){
        case 1:
            System.out.println("Name - Mr. XYZ");
            System.out.println("Age - 25 years");
            System.out.println("Working since - 2 years and 4 months");
            System.out.println("Salary = RS. 30000");
            System.out.println("Contact mail:- XYZ@gmail.com");
            break;
        case 2:
            System.out.println("Name - Mr. YST");
            System.out.println("Age - 23 years");
            System.out.println("Working since - 1 years and 1 months");
            System.out.println("Salary = RS. 26000");
            System.out.println("Contact mail:- YST@gmail.com");
            break;
    }
}

```

```
case 3:
    System.out.println("Name - Mr. VWX");
    System.out.println("Age - 31 years");
    System.out.println("Working since - 4 years and 3 months");
    System.out.println("Salary = RS. 33000");
    System.out.println("Contact mail:- VWX@gmail.com");
    break;
default:
    System.out.println("SORRY! Wrong Input");
    break;
}
break;
// If Your input don't matches, then default case will execute.
default:
    System.out.println("Wrong Choice");
    break;
}
}
}
```


3. Menu.java

```
Import java.util.*;
import java.util.Scanner; // Java package used for taking input in java
// Declaration of menu class
public class menu{
    int cost;
    String order;
    String Total_order = "";
    int Total_Cost = 0;
    // Declaration of Food method in menu class
    public void Food()
    {
        System.out.println("Enter Your Choice\n");

        // Here You can choose which type of food you want
        System.out.println("Enter 1 for Starter ");
        System.out.println("Enter 2 for Veg ");
        System.out.println("Enter 3 for Non-Veg ");
        System.out.println("Enter 4 for Desserts ");
        System.out.println("Enter 5 for Beverages ");
        System.out.println("Enter 6 for Fast Food ");
        System.out.println("Enter 7 for Ice-cream ");
        // Declaration and use of Scanner package.
        Scanner sc = new Scanner(System.in);
        int choice = sc.nextInt();
        // Declaration of switch statement
        switch(choice){
            // *** Starter ***
            case 1:
                System.out.println("Starter");
                // Starting for loop for the menu with price Calculations.
                for(int i = 1; i <= 10; i++)
                {
                    System.out.println("Enter Your Starter Choices\n");

                    // These are the list of Starter's.
                    System.out.println("Enter 1 for Tandoori Chicken - ₹ 110 ");
                    System.out.println("Enter 2 for Chicken Tikka - ₹ 185 ");
                    System.out.println("Enter 3 for Plain Tangri Kabab - ₹ 215 ");
                    System.out.println("Enter 4 for Fish Tikka - ₹ 160 ");
                    System.out.println("Enter 5 for Onion Pakora - ₹ 60 ");
                    System.out.println("Enter 6 for Mattar Tikki - ₹ 70 ");
                    System.out.println("Enter 7 for Paneer Pakora - ₹ 100 ");
```

```
System.out.println("Enter 8 for Egg Pakora - ₹ 90 ");
System.out.println("Enter 9 for Chicken Pakora - ₹ 115 ");
System.out.println("Enter 10 for Afghani Chicken - ₹ 175 ");
System.out.println("Enter 99 for exit");
// Here You can choose the Starter food
Scanner sc0 = new Scanner(System.in);
int starter = sc0.nextInt();
```

```
switch(starter){
    case 1:
        System.out.println("Tandoori Chicken - ₹ 110 \n");
        order = "Tandoori Chicken - ₹ 110";
        cost = 110;
        break;
    case 2:
        System.out.println("Chicken Tikka - ₹ 185\n");
        order = "Chicken Tikka - ₹ 185";
        cost = 185;
        break;
    case 3:
        System.out.println("Plain Tangri Kabab - ₹ 215\n");
        order = "Plain Tangri Kabab - ₹ 215";
        cost = 215;
        break;
    case 4:
        System.out.println("Fish Tikka - ₹ 160\n");
        order = "Fish Tikka - ₹ 160";
        cost = 160;
        break;
    case 5:
        System.out.println("Onion Pakora - ₹ 60\n");
        order = "Onion Pakora - ₹ 60";
        cost = 60;
        break;
    case 6:
        System.out.println("Mattar Tikki - ₹ 70\n");
        order = "Mattar Tikki - ₹ 70";
        cost = 70;
        break;
    case 7:
        System.out.println("Paneer Pakora - ₹ 100\n");
        order = "Paneer Pakora - ₹ 100";
        cost = 100;
        break;
    case 8:
        System.out.println("Egg Pakora - ₹ 90\n");
```

```

        order = "Egg Pakora - ₹ 90";
        cost = 90;
    case 9:
        System.out.println("Chicken Pakora - ₹ 115\n");
        order = "Chicken Pakora - ₹ 115";
        cost = 115;
        break;
    case 10:
        System.out.println("Afghani CHicken");
        order = "Afghani CHicken - ₹ 175";
        cost = 175;
    default:
        System.out.println("\n\n  Thanks For Coming!  \n");
        order = "";
        cost = 0;
        break;
    }
    if(starter == 99){
        System.out.println("Your orders are:- \n" + Total_order + "\n");
        System.out.println("Your Total Cost is :- ₹ " + Total_Cost + "\n");
        break;
    }
    else{
        Total_Cost = Total_Cost + cost;
        Total_order = Total_order + "\n" + order;
    }
    System.out.println("Your orders are:- \n" + Total_order + "\n");
    System.out.println("Your Total Cost is : ₹ " + Total_Cost + "\n");
}
break;
// *** Vegetarian Food ***
case 2:
    System.out.println("Veg");
    for(int i = 1; i <= 10; i++)
    {
        System.out.println("Select Your Food\n");
        // These are the list of Vegetarian food.
        System.out.println("Enter 1 for Plain Rice - ₹ 70 ");
        System.out.println("Enter 2 for Paneer Parantha - ₹ 55 ");
        System.out.println("Enter 3 for Gobhi Parantha - ₹ 45 ");
        System.out.println("Enter 4 for Chhola Bhatura - ₹ 40 ");
        System.out.println("Enter 5 for Daal Makhani - ₹ 110 ");
        System.out.println("Enter 6 for Jalebi - ₹ 60 ");
        System.out.println("Enter 7 for Kadhahi Paneer - ₹ 200 ");
        System.out.println("Enter 8 for Malai Kopta - ₹ 210 ");
        System.out.println("Enter 9 for Matar Paneer - ₹ 195 ");
    }

```

```
System.out.println("Enter 10 for Mix Veg - ₹ 175 ");
System.out.println("Enter 99 for exit");
// Here You can choose the Vegetarian food.
int veg = sc.nextInt();
switch(veg){
    case 1:
        System.out.println("Plain Rice - ₹ 70 ");
        order = "Plain Rice - ₹ 70";
        cost = 70;
        break;
    case 2:
        System.out.println("Paneer Parantha - ₹ 55");
        order = "Paneer Parantha - ₹ 55";
        cost = 55;
        break;
    case 3:
        System.out.println("Gobhi Parantha - ₹ 45");
        order = "Gobhi Parantha - ₹ 45";
        cost = 45;
        break;
    case 4:
        System.out.println("Chhola Bhatura - ₹ 40");
        order = "Chhola Bhatura - ₹ 40";
        cost = 40;
        break;
    case 5:
        System.out.println("Daal Makhani - ₹ 110");
        order = "Daal Makhani - ₹ 110";
        cost = 110;
        break;
    case 6:
        System.out.println("Jalebi - ₹ 60");
        order = "Jalebi - ₹ 60";
        cost = 60;
        break;
    case 7:
        System.out.println("Kadhai Paneer - ₹ 200");
        order = "Kadhai Paneer - ₹ 200";
        cost = 200;
        break;
    case 8:
        System.out.println("Malai Kopta - ₹ 210");
        order = "Malai Kopta - ₹ 210";
        cost = 210;
        break;
    case 9:
```

```

        System.out.println("Matar Paneer - ₹ 195");
        order = "Matar Paneer - ₹ 195";
        cost = 195;
        break;
    case 10:
        System.out.println("Mix Veg - ₹ 175");
        order = "Mix Veg - ₹ 175";
        cost = 175;
        break;
    default:
        System.out.println("\n\n Thanks For Coming! \n");
        order = "";
        cost = 0;
        break;
    }
    if(veg == 99){
        System.out.println("Your orders are:- \n" + Total_order + "\n");
        System.out.println("Your Total Cost is : ₹ " + Total_Cost + "\n");
        break;
    }
    else{
        Total_Cost = Total_Cost + cost;
        Total_order = Total_order + "\n" + order;
    }
    System.out.println("Your orders are:- \n" + Total_order + "\n");
    System.out.println("Your Total Cost is :- ₹ " + Total_Cost + "\n");
}
break;
// *** Non Vegetarian Food ***
case 3:
    System.out.println(" Non-Veg ");
    for(int i = 1; i <= 10; i++)
    {
        System.out.println("Enter Your Nonveg Choices\n");
        // These are the list of Non-Veg food.
        System.out.println("Enter 1 for Chicken Rice - ₹ 80 ");
        System.out.println("Enter 2 for Chicken Butter Masala - ₹ 255 ");
        System.out.println("Enter 3 for Hyderabadi Chicken - ₹ 275 ");
        System.out.println("Enter 4 for Chicken Kabab - ₹ 110 ");
        System.out.println("Enter 5 for Mutton - ₹ 460 ");
        System.out.println("Enter 6 for Dehati Chicken - ₹ 320 ");
        System.out.println("Enter 7 for Chicken tandoori - ₹ 200 ");
        System.out.println("Enter 8 for Kadhai Chicken - ₹ 210 ");
        System.out.println("Enter 9 for Fish - ₹ 195 ");
        System.out.println("Enter 10 for Egg Curry - ₹ 105 ");
        System.out.println("Enter 99 for exit");
    }

```



```
// Here You can choose the Non Vegetarian food.
Scanner sc1 = new Scanner(System.in);
int nonveg = sc1.nextInt();
switch(nonveg){
    case 1:
        System.out.println("Chicken Rice - ₹ 80 ");
        order = "Chicken Rice - ₹ 80";
        cost = 80;
        break;
    case 2:
        System.out.println("Chicken Butter Masala - ₹ 255");
        order = "Chicken Butter Masala - ₹ 255";
        cost = 255;
        break;
    case 3:
        System.out.println("Hyderabadi Chicken - ₹ 275");
        order = "Hyderabadi Chicken - ₹ 275";
        cost = 275;
        break;
    case 4:
        System.out.println("Chicken Kabab - ₹ 110");
        order = "Chicken Kabab - ₹ 110";
        cost = 110;
        break;
    case 5:
        System.out.println("Mutton - ₹ 460");
        order = "Mutton - ₹ 460";
        cost = 460;
        break;
    case 6:
        System.out.println("Dehati Chicken - ₹ 320");
        order = "Dehati Chicken - ₹ 320";
        cost = 320;
        break;
    case 7:
        System.out.println("Chicken tandoori - ₹ 200");
        order = "Chicken tandoori - ₹ 200";
        cost = 200;
        break;
    case 8:
        System.out.println("Kadhai Chicken - ₹ 210");
        order = "Kadhai Chicken - ₹ 210";
        cost = 210;
        break;
    case 9:
        System.out.println("Fish - ₹ 195");
```

```

        order = "Fish - ₹ 195";
        cost = 195;
        break;
    case 10:
        System.out.println("Egg Curry - ₹ 105");
        order = "Egg Curry - ₹ 105";
        cost = 105;
        break;
    default:
        System.out.println("\n\n Thanks For Coming! \n");
        order = "";
        cost = 0;
        break;
    }
    if(nonveg == 99){
        System.out.println("Your orders are:- \n" + Total_order + "\n");
        System.out.println("Your Total Cost is : ₹ " + Total_Cost + "\n");
        break;
    }
    else{
        Total_Cost = Total_Cost + cost;
        Total_order = Total_order + "\n" + order;
    }
    System.out.println("Your orders are:- \n" + Total_order + "\n");
    System.out.println("Your Total Cost is :- ₹ " + Total_Cost + "\n");
}
break;
// *** Desserts ***
case 4:
    System.out.println("Desserts");
    for(int i = 1; i <= 10; i++)
    {
        System.out.println("Enter Your Deserts Choices\n");
        // These are the list of Desserts.
        System.out.println("Enter 1 for Gulab Jamun - ₹ 20 ");
        System.out.println("Enter 2 for Kaju ki Barfi - ₹ 25 ");
        System.out.println("Enter 3 for Gajar ka halwa - ₹ 45 ");
        System.out.println("Enter 4 for Sandesh - ₹ 40 ");
        System.out.println("Enter 5 for Modak - ₹ 10 ");
        System.out.println("Enter 6 for Aam Shrikhand - ₹ 30 ");
        System.out.println("Enter 7 for Malai Ghevar - ₹ 40 ");
        System.out.println("Enter 8 for Besan ka ladoo - ₹ 10 ");
        System.out.println("Enter 9 for Rassogula - ₹ 25 ");
        System.out.println("Enter 10 for Rasmalai - ₹ 25 ");
        System.out.println("Enter 99 for exit");
        // Here You can choose the Desserts.
    }

```

```
Scanner sc2 = new Scanner(System.in);
int desserts = sc2.nextInt();
switch(desserts){
    case 1:
        System.out.println("Gulab Jamun - ₹ 20 ");
        order = "Gulab Jamun - ₹ 20";
        cost = 20;
        break;
    case 2:
        System.out.println("Kaju ki Barfi - ₹ 25");
        order = "Kaju ki Barfi - ₹ 25";
        cost = 25;
        break;
    case 3:
        System.out.println("Gajar ka halwa - ₹ 45");
        order = "Gajar ka halwa - ₹ 45";
        cost = 45;
        break;
    case 4:
        System.out.println("Sandesh - ₹ 40");
        order = "Sandesh - ₹ 40";
        cost = 40;
        break;
    case 5:
        System.out.println("Modak - ₹ 10");
        order = "Modak - ₹ 10";
        cost = 10;
        break;
    case 6:
        System.out.println("Aam Shrikhand - ₹ 30");
        order = "Aam Shrikhand - ₹ 30";
        cost = 30;
        break;
    case 7:
        System.out.println("Malai Ghevar - ₹ 40");
        order = "Malai Ghevar - ₹ 40";
        cost = 40;
        break;
    case 8:
        System.out.println("Besan ka ladoo - ₹ 10");
        order = "Besan ka ladoo - ₹ 10";
        cost = 10;
        break;
    case 9:
        System.out.println("Rassogula - ₹ 25");
        order = "Rassogula - ₹ 25";
```

```

        cost = 25;
        break;
    case 10:
        System.out.println("Rasmalai - ₹ 25");
        order = "Rasmalai - ₹ 25";
        cost = 25;
        break;
    default:
        System.out.println("\n\n Thanks For Coming! \n");
        order = "";
        cost = 0;
        break;
    }
    if(desserts == 99){
        System.out.println("Your orders are:- \n" + Total_order + "\n");
        System.out.println("Your Total Cost is :- ₹ " + Total_Cost + "\n");
        break;
    }
    else{
        Total_Cost = Total_Cost + cost;
        Total_order = Total_order + "\n" + order;
    }
    System.out.println("Your orders are:- \n" + Total_order + "\n");
    System.out.println("Your Total Cost is : ₹ " + Total_Cost + "\n");
}
break;
// *** Beverages ***
case 5:
    System.out.println("Beverages");
    for(int i = 1; i <= 10; i++)
    {
        System.out.println("Enter Your Beverages Choices\n");
        // These are the list of Beverages for drink.
        System.out.println("Enter 1 for Mango shake - ₹ 50 ");
        System.out.println("Enter 2 for Badam shake - ₹ 45 ");
        System.out.println("Enter 3 for Kaju shake - ₹ 50 ");
        System.out.println("Enter 4 for Butterscotch Milkshake - ₹ 40 ");
        System.out.println("Enter 5 for Fresh Lime Soda - ₹ 20 ");
        System.out.println("Enter 6 for Sprite - ₹ 40 ");
        System.out.println("Enter 7 for Cocacola - ₹ 45 ");
        System.out.println("Enter 8 for Maza - ₹ 40 ");
        System.out.println("Enter 9 for Pepsi - ₹ 45 ");
        System.out.println("Enter 10 for Cold COffee - ₹ 132 ");
        System.out.println("Enter 99 for exit");
        // Here You can choose the Beverages to drink
        Scanner sc3 = new Scanner(System.in);
    }

```

```
int beverages = sc3.nextInt();
switch(beverages){
    case 1:
        System.out.println("Mango shake - ₹ 50 ");
        order = "Mango shake - ₹ 50";
        cost = 50;
        break;
    case 2:
        System.out.println("Badam shake - ₹ 45");
        order = "Badam shake - ₹ 45";
        cost = 45;
        break;
    case 3:
        System.out.println("Kaju shake - ₹ 50");
        order = "Kaju shake - ₹ 50";
        cost = 50;
        break;
    case 4:
        System.out.println("Butterscotch Milkshake - ₹ 40");
        order = "Butterscotch Milkshake - ₹ 40";
        cost = 40;
        break;
    case 5:
        System.out.println("Fresh Lime Soda - ₹ 20");
        order = "Fresh Lime Soda - ₹ 20";
        cost = 20;
        break;
    case 6:
        System.out.println("Sprite - ₹ 40");
        order = "Sprite - ₹ 40";
        cost = 40;
        break;
    case 7:
        System.out.println("Cocacola - ₹ 45");
        order = "Cocacola - ₹ 45";
        cost = 45;
        break;
    case 8:
        System.out.println("Maza - ₹ 40");
        order = "Maza - ₹ 40";
        cost = 40;
        break;
    case 9:
        System.out.println("Pepsi - ₹ 45");
        order = "Pepsi - ₹ 45";
        cost = 45;
```

```

        break;
    case 10:
        System.out.println("Cold COffee - ₹ 132");
        order = "Cold COffee - ₹ 132";
        cost = 132;
        break;
    default:
        System.out.println("\n\n  Thanks For Coming!  \n");
        order = "";
        cost = 0;
        break;
    }
    if(beverages == 99){
        System.out.println("Your orders are:- \n" + Total_order + "\n");
        System.out.println("Your Total Cost is :- ₹ " + Total_Cost + "\n");
        break;
    }
    else{
        Total_Cost = Total_Cost + cost;
        Total_order = Total_order + "\n" + order;
    }
    System.out.println("Your orders are:- \n" + Total_order + "\n");
    System.out.println("Your Total Cost is : ₹ " + Total_Cost + "\n");
}
break;
// *** Fast Food ***
case 6:
    System.out.println(" Fast Food ");
    for(int i = 1; i <= 10; i++)
    {
        System.out.println("Enter Your Choices for Fastfood\n");
        // These are the list of Fast-food.
        System.out.println("Enter 1 for Noodles - ₹ 70 ");
        System.out.println("Enter 2 for Momos - ₹ 55 ");
        System.out.println("Enter 3 for Chicken Chilly - ₹ 45 ");
        System.out.println("Enter 4 for Egg Roll - ₹ 40 ");
        System.out.println("Enter 5 for Paneer Roll - ₹ 110 ");
        System.out.println("Enter 6 for Spring Roll - ₹ 60 ");
        System.out.println("Enter 7 for Burger - ₹ 200 ");
        System.out.println("Enter 8 for Pizza - ₹ 210 ");
        System.out.println("Enter 9 for Hot Dog - ₹ 195 ");
        System.out.println("Enter 10 for Sandwich - ₹ 175 ");
        System.out.println("Enter 99 for exit");
        // Here You can choose the fast food.
        Scanner sc4 = new Scanner(System.in);
        int fast_food = sc4.nextInt();
    }
}

```

```
switch(fast_food){
case 1:
    System.out.println("Noodles - ₹ 70 ");
    order = "Noodles - ₹ 70";
    cost = 70;
    break;
case 2:
    System.out.println("Momos - ₹ 55");
    order = "Momos - ₹ 55";
    cost = 55;
    break;
case 3:
    System.out.println("Chicken Chilly - ₹ 45");
    order = "Chicken Chilly - ₹ 45";
    cost = 45;
    break;
case 4:
    System.out.println("Egg Roll - ₹ 40");
    order = "Egg Roll - ₹ 40";
    cost = 40;
    break;
case 5:
    System.out.println("Paneer Roll - ₹ 110");
    order = "Paneer Roll - ₹ 110";
    cost = 110;
    break;
case 6:
    System.out.println("Spring Roll - ₹ 60");
    order = "Spring Roll - ₹ 60";
    cost = 60;
    break;
case 7:
    System.out.println("Burger - ₹ 200");
    order = "Burger - ₹ 200";
    cost = 200;
    break;
case 8:
    System.out.println("Pizza - ₹ 210");
    order = "Pizza - ₹ 210";
    cost = 210;
    break;
case 9:
    System.out.println("Hot Dog - ₹ 195");
    order = "Hot Dog - ₹ 195";
    cost = 195;
    break;
```

```

case 10:
    System.out.println("Sandwich - ₹ 175");
    order = "Sandwich - ₹ 175";
    cost = 175;
    break;
default:
    System.out.println("\n\n Thanks For Coming! \n");
    order = "";
    cost = 0;
    break;
}
if(fast_food == 99){
    System.out.println("Your orders are:- \n" + Total_order + "\n");
    System.out.println("Your Total Cost is : ₹ " + Total_Cost + "\n");
    break;
}
else{
    Total_Cost = Total_Cost + cost;
    Total_order = Total_order + "\n" + order;
}
System.out.println("Your orders are:- \n" + Total_order + "\n");
System.out.println("Your Total Cost is :- ₹ " + Total_Cost + "\n");
}
break;
// *** Ice-cream ***
case 7:
    System.out.println(" Ice-cream ");
    for(int i = 1; i <= 10; i++)
    {
        System.out.println("Enter Your Choices for Icecream\n");
        // These are the list of Ice-cream.
        System.out.println("Enter 1 for Butter Scotch - ₹ 160 ");
        System.out.println("Enter 2 for Choco Chip - ₹ 115 ");
        System.out.println("Enter 3 for Hot Chocolate fudge sundae - ₹ 110 ");
        System.out.println("Enter 4 for Vanilla - ₹ 130 ");
        System.out.println("Enter 5 for Butter Scotch Top cone - ₹ 40 ");
        System.out.println("Enter 6 for Paan Icecream - ₹ 55 ");
        System.out.println("Enter 7 for Dry Fruits Icecream - ₹ 65 ");
        System.out.println("Enter 8 for Pista Kulfi - ₹ 40 ");
        System.out.println("Enter 9 for Strawberry - ₹ 35 ");
        System.out.println("Enter 10 for Afghan Dry Fruit Icecream - ₹ 250 ");
        System.out.println("Enter 99 for exit");
        // Here You can choose the Icecream.
        Scanner sc5 = new Scanner(System.in);
        int icecream = sc5.nextInt();
        switch(icecream){

```



```
case 1:
    System.out.println("Butter Scotch - ₹ 160 ");
    order = "Butter Scotch - ₹ 160";
    cost = 70;
    break;
case 2:
    System.out.println("Choco Chip - ₹ 115");
    order = "Choco Chip - ₹ 115";
    cost = 55;
    break;
case 3:
    System.out.println("Hot Chocolate fudge sundae - ₹ 110");
    order = "Hot Chocolate fudge sundae - ₹ 110";
    cost = 45;
    break;
case 4:
    System.out.println("Vanilla - ₹ 130");
    order = "Vanilla - ₹ 130";
    cost = 40;
    break;
case 5:
    System.out.println("Butter Scotch Top cone - ₹ 40");
    order = "Butter Scotch Top cone - ₹ 40";
    cost = 110;
    break;
case 6:
    System.out.println("Paan Icecream - ₹ 55");
    order = "Paan Icecream - ₹ 55";
    cost = 60;
    break;
case 7:
    System.out.println("Dry Fruits Icecream - ₹ 65");
    order = "Dry Fruits Icecream - ₹ 65";
    cost = 200;
    break;
case 8:
    System.out.println("Pista Kulfi - ₹ 40");
    order = "Pista Kulfi - ₹ 40";
    cost = 210;
    break;
case 9:
    System.out.println("Strawberry - ₹ 35");
    order = "Strawberry - ₹ 35";
    cost = 195;
    break;
case 10:
```

```

        System.out.println("Afghan Dry Fruit Icecream - ₹ 250");
        order = "Afghan Dry Fruit Icecream - ₹ 250";
        cost = 175;
        break;
    default:
        System.out.println("\n\n Thanks For Coming! \n");
        order = "";
        cost = 0;
        break;
    }
    if(icecream == 99){
        System.out.println("Your orders are:- \n" + Total_order + "\n");
        System.out.println("Your Total Cost is : ₹ " + Total_Cost + "\n");
        break;
    }
    else{
        Total_Cost = Total_Cost + cost;
        Total_order = Total_order + "\n" + order;
    }
    System.out.println("Your orders are:- \n" + Total_order + "\n");
    System.out.println("Your Total Cost is :- ₹ " + Total_Cost + "\n");
}
break;
// If wrong input entered, then it will show this default case
default:
    System.out.println("Sorry! Wrong Input");
}
}
}

```

APPLICATIONS

In most countries Restaurant is very common. There was some initial resistance to the idea out of fear that Restaurant idea will be more costly which will be not that much to be considered. But now Restaurant is very usual for every kind of persons.

Restaurant is also of many kinds like 5 star, 7 star and also of other standards, which is accommodated by the persons according to their needs and budget. Nowadays people are very busy in their personal and professional lives, so that they don't have time to make food so they prefer to order online from Restaurant. So the demand of Restaurant is continuously increasing due to many other reason also, because from Restaurant we can get good quality of food made by professional, many kinds of food, because now people want to taste many kinds of food, which they cannot make by own, So the demand of Restaurant is increasing. And in this digital world people also not prefer to go physically, so that this software can help them to get their food more and more easily as per their need.

FUTURE SCOPE OF THE PROJECT

Our project will be able to implement in future after making some changes and modifications as we make our project at a very low level. So the modifications that can be done in our project are:

To make it screen touch so no need to touch key buttons and one more change which can be made is to add snaps of the person who use it

TESTING

Testing is the major control measure used during software development. Its basic function is to detect errors in the software. During requirement analysis and design, the output is a document that is usually textual and not executable. After the coding phase, computer programs are available that can be executed for testing purpose. This implies that testing not only has to uncover errors introduced during coding, but also errors introduced during previous phase. Thus the goal of testing is to uncover the requirements, design and coding errors in the programs. The Source code declared above for the program of Restaurant Management System has been tested and it has been found that the above source code is okay and correct. The program involves much type of conversions. These conversions have to be done carefully.

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