



SULTAN IDRIS EDUCATION UNIVERSITY

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A NEW
CREATIVE
VISION

Manifesting Collaborative Creativity



MTS 3033 : PENGATURCARAAN BERORIENTASIKAN OBJEK / *OBJECT ORIENTED PROGRAMMING (OOP)*

STUDY SESSION : SEMESTER 1 (2021/2022)

GROUP NAME : A5

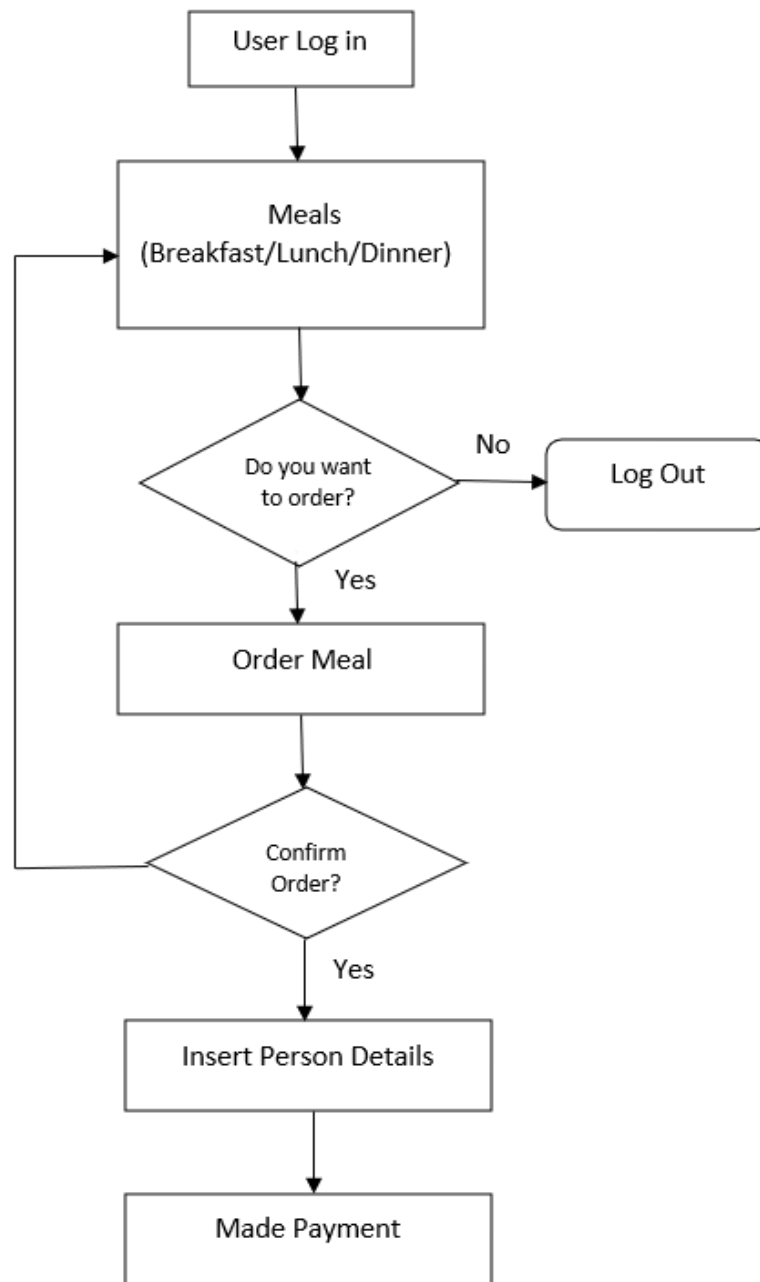
(GROUP PROJECT)

PROJECT 1: ONLINE FOOD ORDERING APPLICATION

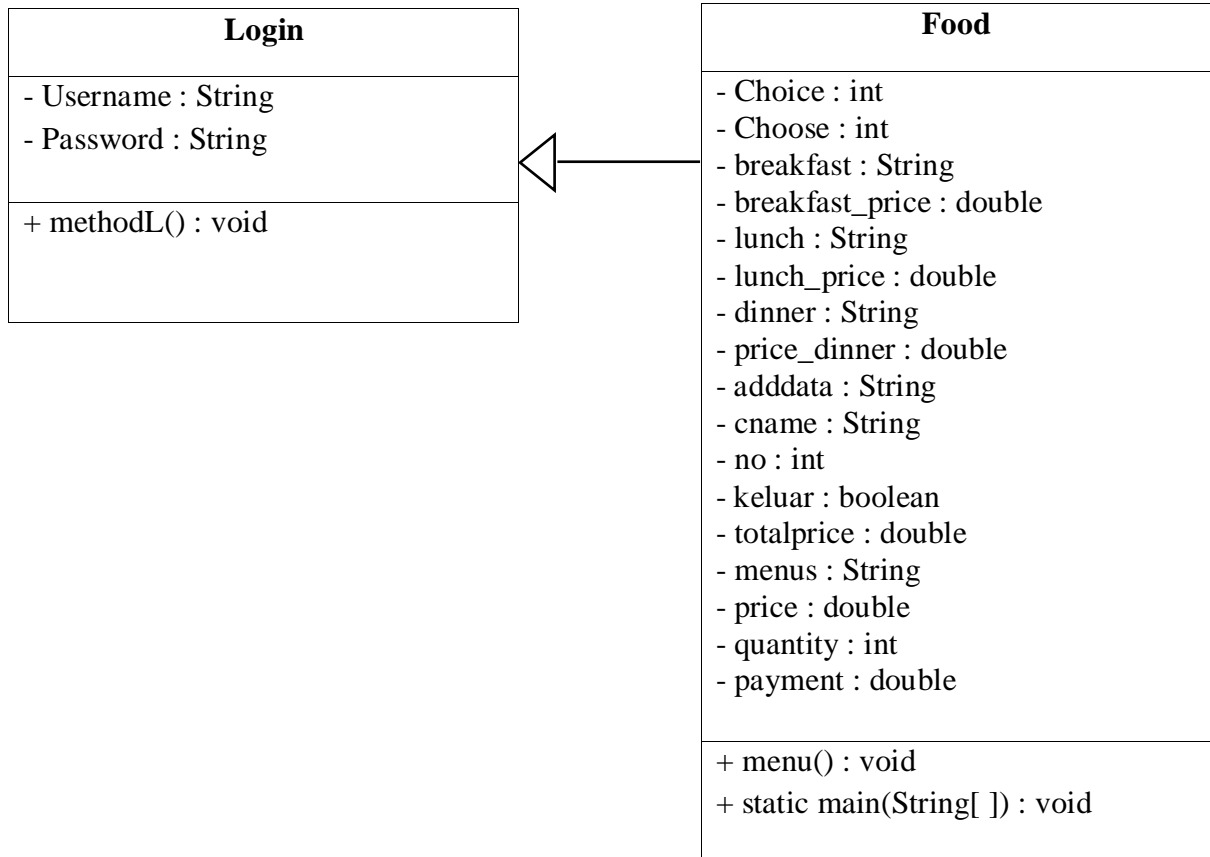
GROUP MEMBERS	MATRIC ID
AIMAN SHAFIQ BIN KAMARULZAMAN	D20201092335
RANEE SEKIN	D20201093979
MOHAMMAD YUSUF BIN SUMARDI	D20201095601
MOHD IZZUL IKHWAN BIN MOHD YUSOF	D20201095609
NURUL NAJWA BINTI MOHD ALI	D20201095610

NAMA PENSYARAH: PUAN ASMARA BINTI ALIAS

FLOWCHART

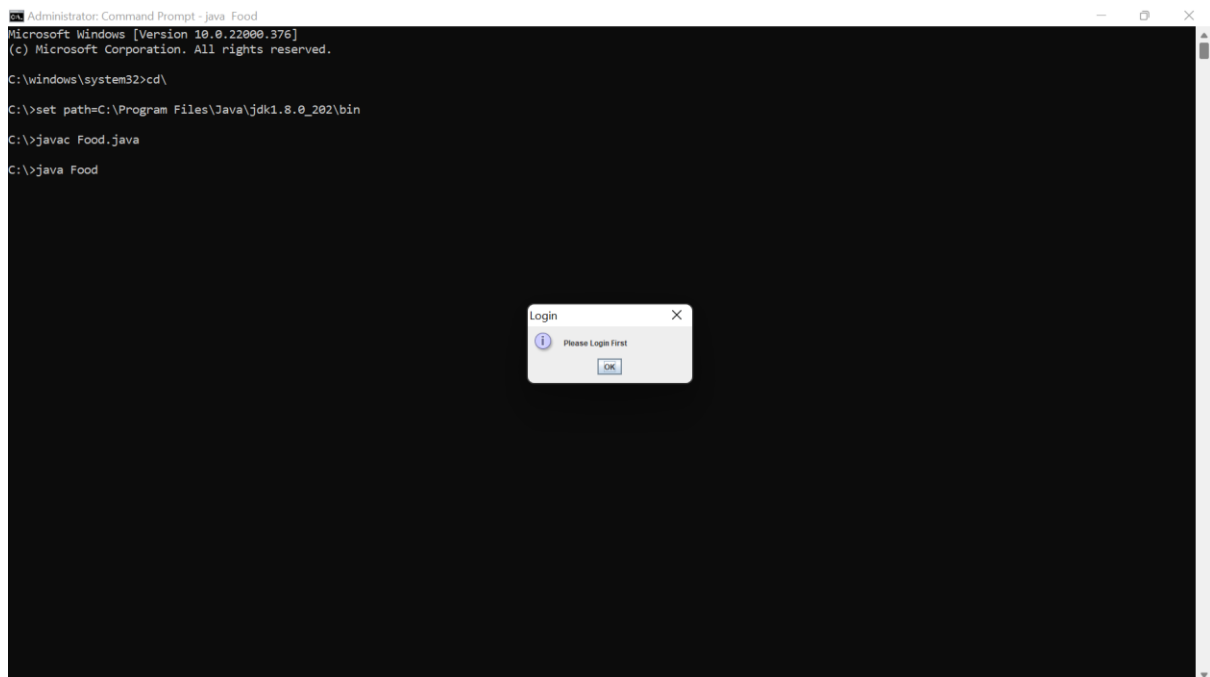


CLASS DIAGRAM



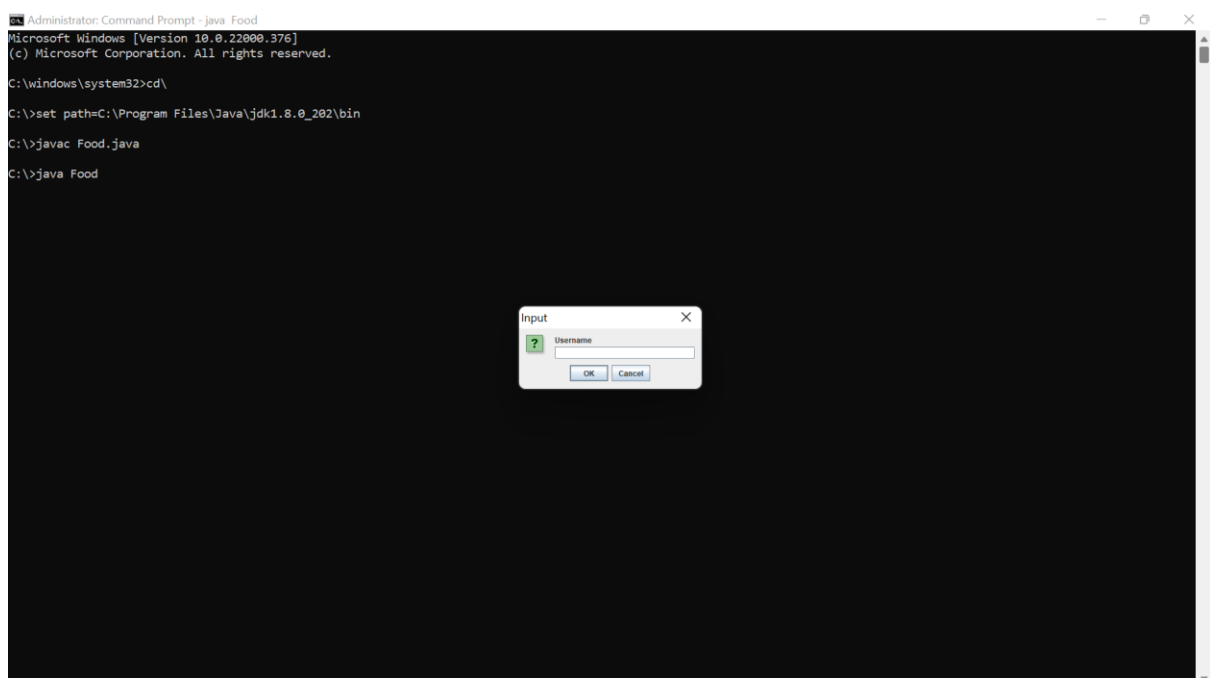
COMMAND PROMPT

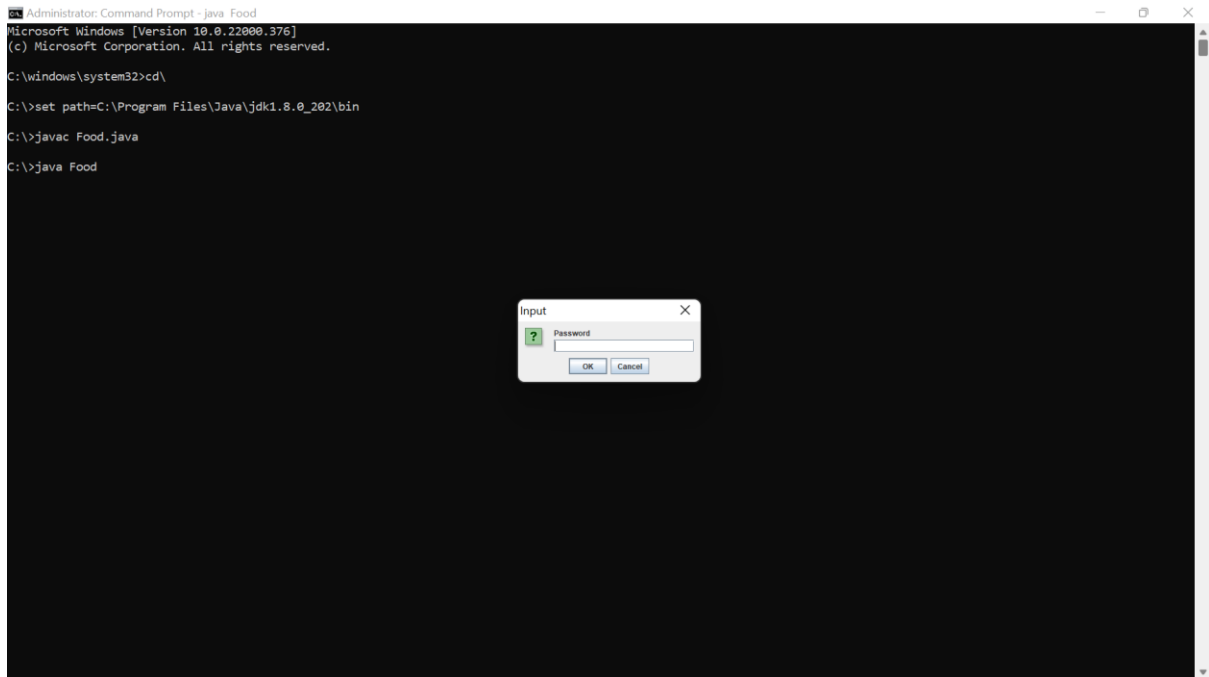
1. Login



- Dialog box with Login message will appear.

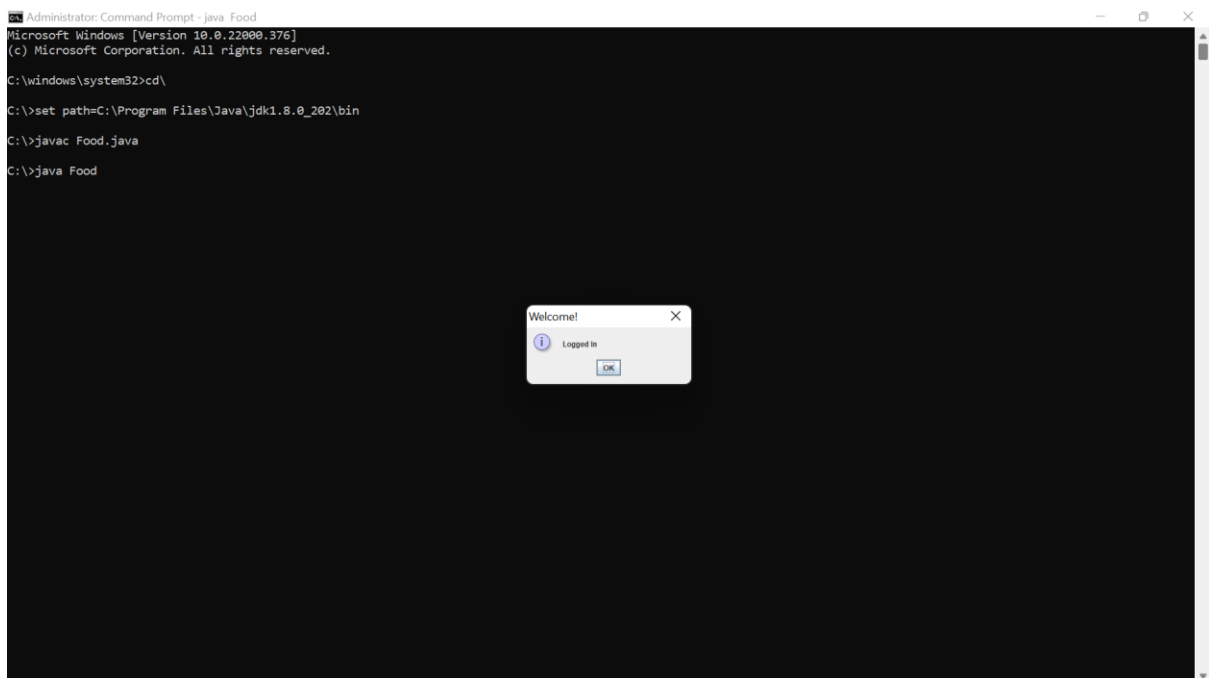
Username and Password





- Insert username and password to start the order
- *any username and password are applicable to use*

Logged in



- Logged in message will appear after you insert username and password

2. Meals (Main Menu)

```
Administrator: Command Prompt - java Food
Microsoft Windows [Version 10.0.22000.376]
(c) Microsoft Corporation. All rights reserved.

C:\windows\system32>cd\

C:\>set path=C:\Program Files\Java\jdk1.8.0_202\bin

C:\>javac Food.java

C:\>java Food

=====
| Welcome to MTS Restaurant |
=====
| MEALS |
=====
| 1. BreakFast |
| 2. Lunch |
| 3. Dinner |
| 4. Exit |
=====

| Enter Your Choice |
=====
|
```

- You will see all the meals that include breakfast, lunch and menu
- You should input your choice to see menu on meals.

3. Order Breakfast Menu

```
Administrator: Command Prompt - java Food

=====
| Welcome to MTS Restaurant |
=====
| MEALS |
=====
| 1. BreakFast |
| 2. Lunch |
| 3. Dinner |
| 4. Exit |
=====

| Enter Your Choice |
=====
1

1 Sandwich 3.0
2 Kaya Toast 6.0
3 Noodles 5.0
4 Biscuits 5.0
5 Cancel 0.0

| Your Choice is |
=====
2

| How Many Pieces Do You Want For The Menu? : |
=====
4

=====
| Menu that you order is |
=====
| MENU || PRICE |
| Kaya Toast || 24.0 |
=====
```

```
Administrator: Command Prompt - java Food
=====
| Do you want to order again? |
| YES (y) | NO (n) |
=====
y
=====
| Your Choice is |
=====
4
=====
| How Many Pieces Do You Want For The Menu? : |
=====
5
=====
| Menu that you order is |
=====
| MENU || PRICE |
| Biscuits || 25.0 |
=====
| Do you want to order again? |
| YES (y) | NO (n) |
=====
y
=====
| Your Choice is |
=====
3
=====
| How Many Pieces Do You Want For The Menu? : |
=====
2
=====
| Menu that you order is |
=====
| MENU || PRICE |
```

```
Administrator: Command Prompt - java Food
=====
| Biscuits || 25.0 |
=====
| Do you want to order again? |
| YES (y) | NO (n) |
=====
y
=====
| Your Choice is |
=====
3
=====
| How Many Pieces Do You Want For The Menu? : |
=====
2
=====
| Menu that you order is |
=====
| MENU || PRICE |
| Noodles || 10.0 |
=====
| Do you want to order again? |
| YES (y) | NO (n) |
=====
```

- When, the option has been entered, the output will display the name of the menu that you choose and its price.
- After that, the programme will ask you how many quantity do you want for the menu you order.
- The display will ask you to enter yes (y) or no (n) input.
- If the input is (y), the display will return to the breakfast menu option again and you must select another menu that you want.

Customer Details

```
Administrator: Command Prompt - java Food
y
=====
|      Your Choice is      |
=====
3
=====
| How Many Pieces Do You Want For The Menu? : |
=====
2
=====
|      Menu that you order is      |
=====
| MENU  || PRICE |
| Noodles || 10.0 |
=====
| Do you want to order again? |
| YES (y) | NO (n) |
=====
n
=====
| Please Insert Your Name and Phone Number |
=====
Mohd Izzul Ikhwan
0197818481
```

- If the input is no (n) in the yes or no option after ordering food, the display will ask you to enter your name and phone number for the customer details.

Payment

```
Select Administrator: Command Prompt - java Food
=====
| Do you want to order again? |
| YES (y) | NO (n) |
=====
n
=====
| Please Insert Your Name and Phone Number |
=====
Mohd Izzul Ikhwan
0197818481
=====
|      Customer Details      |
=====
Name : Mohd Izzul Ikhwan
No.Tel : 197818481
=====
| All menu that you order is |
=====
Kaya Toast
Biscuits
Noodles
=====
Total Price : RM59.0
Enter Your Payment:
```

- After you entering your customer details, the programme will list all menu that you order along with the total price for your order.


```
Administrator: Command Prompt - java Food

=====
| Do you want to order again? |
| YES (y) | NO (n) |
=====
n

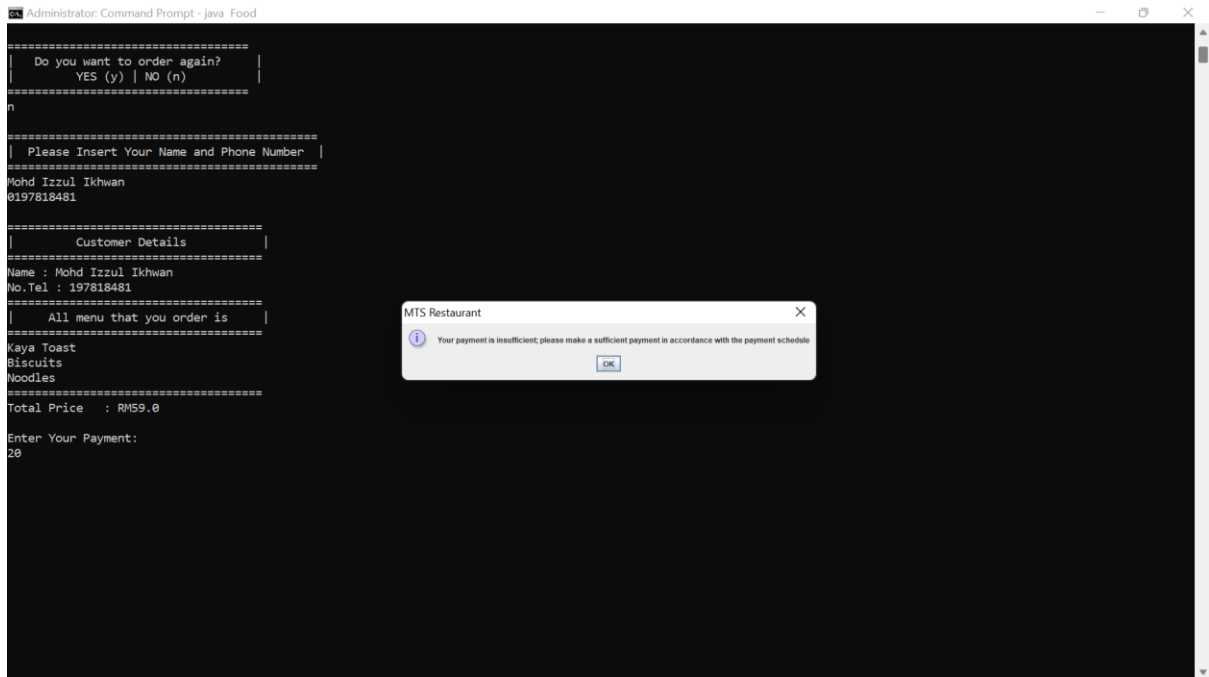
=====
| Please Insert Your Name and Phone Number |
=====
Mohd Izzul Ikhwan
0197818481

=====
| Customer Details |
=====
Name : Mohd Izzul Ikhwan
No.Tel : 197818481

=====
| All menu that you order is |
=====
Kaya Toast
Biscuits
Noodles

Total Price : RM59.0

Enter Your Payment:
20
```



- If your payment is less than the total price, the programme will notify you with the message dialog and you need to reentered your payment.

```
Administrator: Command Prompt - java Food

=====
| Do you want to order again? |
| YES (y) | NO (n) |
=====
n

=====
| Please Insert Your Name and Phone Number |
=====
Mohd Izzul Ikhwan
0197818481

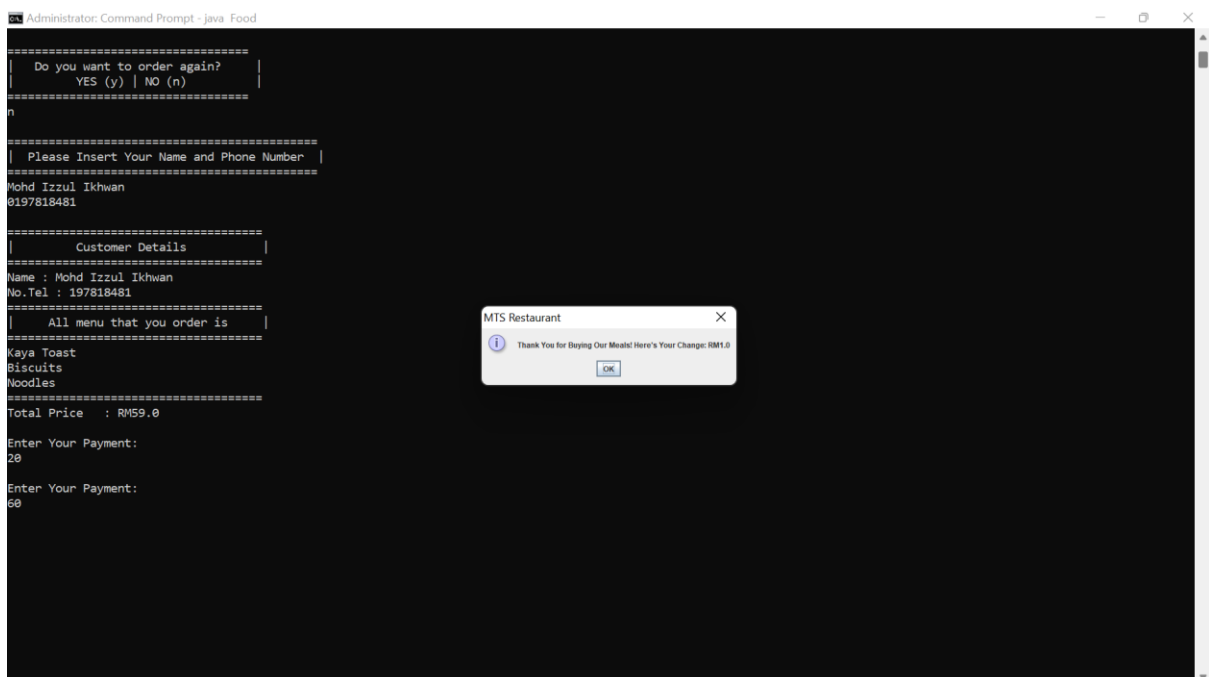
=====
| Customer Details |
=====
Name : Mohd Izzul Ikhwan
No.Tel : 197818481

=====
| All menu that you order is |
=====
Kaya Toast
Biscuits
Noodles

Total Price : RM59.0

Enter Your Payment:
20

Enter Your Payment:
60
```



- If your payment is more than the total price, the programme will shown you 'thanks for buying our meals' and give your chance.

```
Administrator: Command Prompt - java Food
=====
|           MEALS           |
=====
1.      BreakFast
2.      Lunch
3.      Dinner
4.      Exit
=====
|           Enter Your Choice           |
=====
1
1 Sandwich 3.0
2 Kaya Toast 6.0
3 Noodles 5.0
4 Biscuits 5.5
5 Back to Meals 0.0
=====
|           Your Choice is           |
=====
5
=====
|           Welcome to MTS Restaurant           |
=====
|           MEALS           |
=====
1.      BreakFast
2.      Lunch
3.      Dinner
4.      Exit
=====
|           Enter Your Choice           |
=====
```

- If you select cancel, you'll bring to the meals menu again.

4. Order Lunch Menu

```
Administrator: Command Prompt - java Food
C:\>java Food
=====
|           Welcome to MTS Restaurant           |
=====
|           MEALS           |
=====
1.      BreakFast
2.      Lunch
3.      Dinner
4.      Exit
=====
|           Enter Your Choice           |
=====
2
1 Chicken curry 15.0
2 Wonton mee 10.0
3 Seafood Lunch 20.0
4 Grilled Salmon 22.0
5 Cancel 0.0
=====
|           Your Choice is           |
=====
4
=====
|           How Many Pieces Do You Want For The Menu? :           |
=====
5
=====
|           Menu that you order is           |
=====
|           MENU           ||           PRICE           |
=====
```

```
Administrator: Command Prompt - java Food

=====
| Menu that you order is |
=====
| MENU  || PRICE |
| Grilled Salmon || 110.0 |
=====

| Do you want to order again? |
| YES (y) | NO (n) |
=====
y

| Your Choice is |
=====
2

| How Many Pieces Do You Want For The Menu? : |
=====
3

| Menu that you order is |
=====
| MENU  || PRICE |
| Wonton mee || 30.0 |
=====

| Do you want to order again? |
| YES (y) | NO (n) |
=====
y

| Your Choice is |
=====
1

=====
```

```
Administrator: Command Prompt - java Food

=====
| Menu that you order is |
=====
| MENU  || PRICE |
| Wonton mee || 30.0 |
=====

| Do you want to order again? |
| YES (y) | NO (n) |
=====
y

| Your Choice is |
=====
1

| How Many Pieces Do You Want For The Menu? : |
=====
6

| Menu that you order is |
=====
| MENU  || PRICE |
| Chicken curry || 90.0 |
=====

| Do you want to order again? |
| YES (y) | NO (n) |
=====
```

- When, the option has been entered, the output will display the name of the menu that you choose and its price.
- After that, the programme will ask you how many quantity do you want for the menu you order.
- The display will ask you to enter yes (y) or no (n) input.
- If the input is yes (y), the display will return to the breakfast menu option again and you must select another menu that you want.

Customer Details

```
Administrator: Command Prompt - java Food
=====
Menu that you order is
=====
MENU    ||    PRICE
Wonton mee    ||    30.0
=====

Do you want to order again?
YES (y) | NO (n)
y

=====
Your Choice is
=====
1

=====
How Many Pieces Do You Want For The Menu? :
=====
6

=====
Menu that you order is
=====
MENU    ||    PRICE
Chicken curry    ||    90.0
=====

Do you want to order again?
YES (y) | NO (n)
n

=====
Please Insert Your Name and Phone Number
=====
Mohammad Yusuf Sumardi
0178283343
```

- If the input is no (n) in the yes or no option after ordering food, the display will ask you to enter your name and phone number for the customer details.

Payment

```
Administrator: Command Prompt - java Food
6
=====
Menu that you order is
=====
MENU    ||    PRICE
Chicken curry    ||    90.0
=====

Do you want to order again?
YES (y) | NO (n)
n

=====
Please Insert Your Name and Phone Number
=====
Mohammad Yusuf Sumardi
0178283343

=====
Customer Details
=====
Name : Mohammad Yusuf Sumardi
No.Tel : 178283343

=====
All menu that you order is
=====
Grilled Salmon
Wonton mee
Chicken curry
Total Price : RM230.0

Enter Your Payment:
-
```

- After you entering your customer details, the programme will list all menu that you order along with the total price for your order.

```
Administrator: Command Prompt - java Food
6
=====
| Menu that you order is |
=====
| MENU || PRICE |
| Chicken curry || 90.0 |
=====

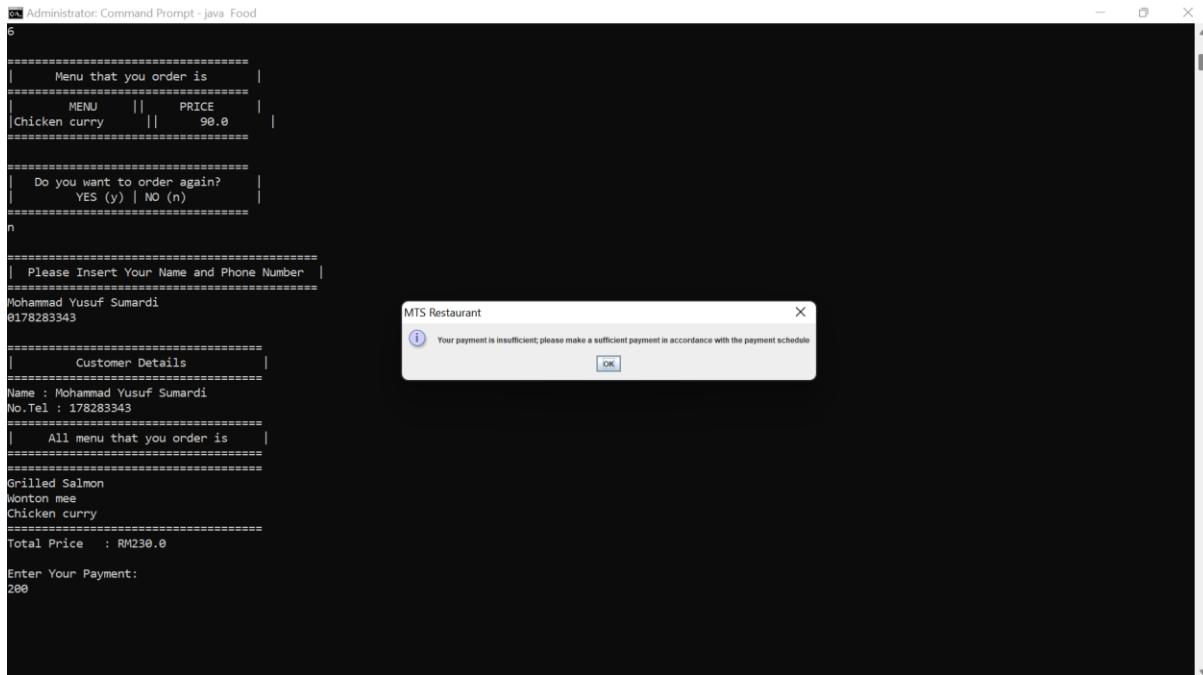
| Do you want to order again? |
| YES (y) | NO (n) |
=====
n

=====
| Please Insert Your Name and Phone Number |
=====
Mohammad Yusuf Sumardi
0178283343

=====
| Customer Details |
=====
Name : Mohammad Yusuf Sumardi
No.Tel : 178283343

=====
| All menu that you order is |
=====
Grilled Salmon
Wonton mee
Chicken curry
=====
Total Price : RM230.0

Enter Your Payment:
200
```



- If you payment is less than the total price, the programme will notify you with the message dialog and you need to reentered your payment.

```
Administrator: Command Prompt - java Food
6
=====
| Menu that you order is |
=====
| MENU || PRICE |
| Chicken curry || 90.0 |
=====

| Do you want to order again? |
| YES (y) | NO (n) |
=====
n

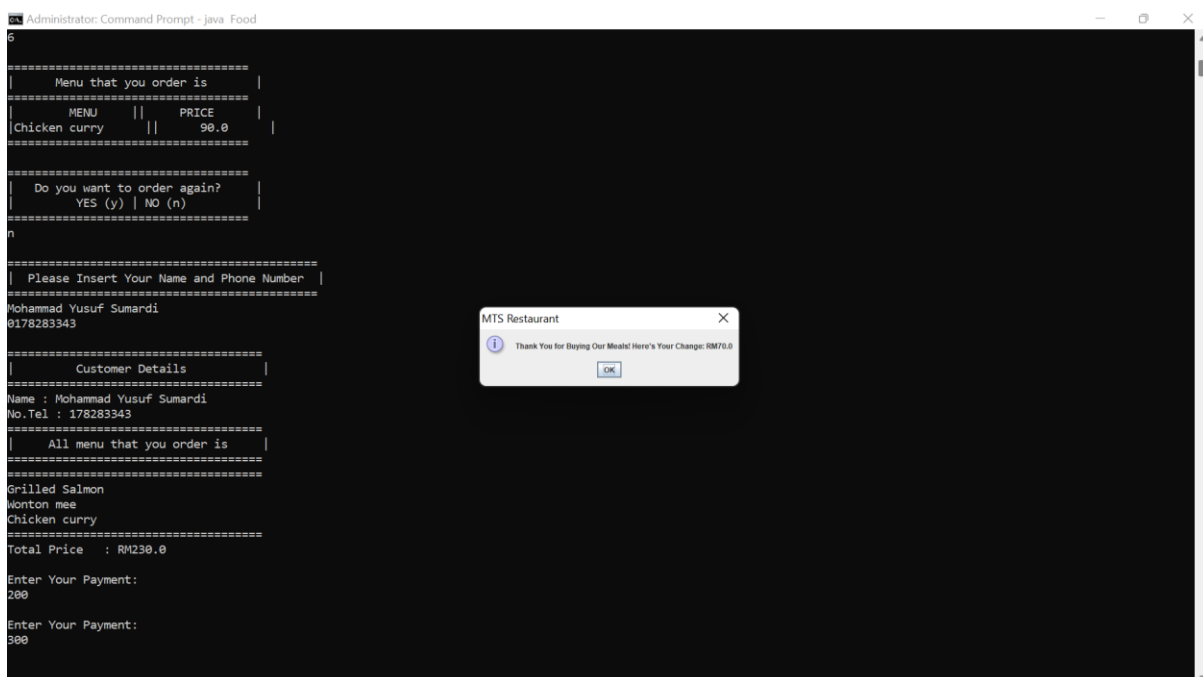
=====
| Please Insert Your Name and Phone Number |
=====
Mohammad Yusuf Sumardi
0178283343

=====
| Customer Details |
=====
Name : Mohammad Yusuf Sumardi
No.Tel : 178283343

=====
| All menu that you order is |
=====
Grilled Salmon
Wonton mee
Chicken curry
=====
Total Price : RM230.0

Enter Your Payment:
200

Enter Your Payment:
300
```



- If your payment is more than the total price, the programme will shown you 'thanks for buying our meals' and give your chance.

```
Administrator: Command Prompt - java Food
=====
|           MEALS           |
|=====|
| 1.      BreakFast        |
| 2.      Lunch            |
| 3.      Dinner           |
| 4.      Exit             |
|=====|
|           Enter Your Choice           |
|=====|
2
=====
1 Chicken curry 15.0
2 Wonton mee 10.2
3 Seafood Lunch 28.2
4 Grilled Salmon 22.8
5 Back to Meals 0.0
=====
|           Your Choice is           |
|=====|
5
=====
| Welcome to MTS Restaurant |
|=====|
|           MEALS           |
|=====|
| 1.      BreakFast        |
| 2.      Lunch            |
| 3.      Dinner           |
| 4.      Exit             |
|=====|
|           Enter Your Choice           |
|=====|
```

- If you select the back to meals, you'll bring to the meals menu again.

5. Order Dinner Menu

```
Administrator: Command Prompt - java Food
C:\>java Food
=====
| Welcome to MTS Restaurant |
|=====|
|           MEALS           |
|=====|
| 1.      BreakFast        |
| 2.      Lunch            |
| 3.      Dinner           |
| 4.      Exit             |
|=====|
|           Enter Your Choice           |
|=====|
3
=====
1 Cajun Chicken 15.0
2 Fried Chicken 19.0
3 Yin Yang Salad 16.0
4 Seafood Feast 19.0
5 Cancel 0.0
=====
|           Your Choice is           |
|=====|
1
=====
| How Many Pieces Do You Want For The Menu? : |
|=====|
4
=====
| Menu that you order is |
|=====|
| MENU || PRICE |
|Cajun Chicken || 60.0 |
```

```
Administrator: Command Prompt - java Food
4
=====
| Menu that you order is |
=====
| MENU || PRICE |
|Cajun Chicken || 60.0 |
=====
| Do you want to order again? |
| YES (y) | NO (n) |
=====
y
=====
| Your Choice is |
=====
3
=====
| How Many Pieces Do You Want For The Menu? : |
=====
6
=====
| Menu that you order is |
=====
| MENU || PRICE |
|Yin Yang Salad || 96.0 |
=====
| Do you want to order again? |
| YES (y) | NO (n) |
=====
```

- When, the option has been entered, the output will display the name of the menu that you choose and its price.
- After that, the programme will ask you how many quantity do you want for the menu you order.
- The display will ask you to enter yes (y) or no (n) input.
- If the input is (y), the display will return to the breakfast menu option again and you must select another menu that you want.

Customer Details

```
Administrator: Command Prompt - java Food
|Cajun Chicken || 60.0 |
=====
| Do you want to order again? |
| YES (y) | NO (n) |
=====
y
=====
| Your Choice is |
=====
3
=====
| How Many Pieces Do You Want For The Menu? : |
=====
6
=====
| Menu that you order is |
=====
| MENU || PRICE |
|Yin Yang Salad || 96.0 |
=====
| Do you want to order again? |
| YES (y) | NO (n) |
=====
n
=====
| Please Insert Your Name and Phone Number |
=====
Mohd Dzulkifli Jaimin
0113343561
```

- If the input is no (n) in the yes or no option after ordering food, the display will ask you to enter your name and phone number for customer details.

Payment

```

Administrator: Command Prompt - java Food
=====
| Menu that you order is |
=====
| MENU || PRICE |
| Vin Yang Salad || 96.0 |
=====
| Do you want to order again? |
| YES (y) | NO (n) |
=====
n
=====
| Please Insert Your Name and Phone Number |
=====
Mohd Dzulkifli Jaimin
0113343561
=====
| Customer Details |
=====
Name : Mohd Dzulkifli Jaimin
No.Tel : 113343561
=====
| All menu that you order is |
=====
Cajun Chicken
Vin Yang Salad
=====
Total Price : RM156.0
Enter Your Payment:

```

- After you entering your customer details, the programme will list all menu that you order along with the total price for your order.

```

Administrator: Command Prompt - java Food
=====
| Menu that you order is |
=====
| MENU || PRICE |
| Vin Yang Salad || 96.0 |
=====
| Do you want to order again? |
| YES (y) | NO (n) |
=====
n
=====
| Please Insert Your Name and Phone Number |
=====
Mohd Dzulkifli Jaimin
0113343561
=====
| Customer Details |
=====
Name : Mohd Dzulkifli Jaimin
No.Tel : 113343561
=====
| All menu that you order is |
=====
Cajun Chicken
Vin Yang Salad
=====
Total Price : RM156.0
Enter Your Payment:
100

```

- If you payment is less than the total price, the programme will notify you with the message dialog and you need to reentered your payment.


```
Administrator: Command Prompt - java Food
=====
| Menu that you order is |
=====
| MENU || PRICE |
| Yin Yang Salad || 96.0 |
=====
| Do you want to order again? |
| YES (y) | NO (n) |
=====
n
=====
| Please Insert Your Name and Phone Number |
=====
Mohd Dzulkifli Jaimin
0113343561
=====
| Customer Details |
=====
Name : Mohd Dzulkifli Jaimin
No.Tel : 113343561
=====
| All menu that you order is |
=====
Cajun Chicken
Yin Yang Salad
=====
Total Price : RM156.0
Enter Your Payment:
100
Enter Your Payment:
200

MTS Restaurant
Thank You for Buying Our Meal! Here's Your Change: RM44.0
OK
```

- If your payment is more than the total price, the programme will shown you ‘thanks for buying our meals’ and give your chance.

```
Administrator: Command Prompt - java Food
=====
| MEALS |
| 1. Breakfast |
| 2. Lunch |
| 3. Dinner |
| 4. Exit |
=====
| Enter Your Choice |
=====
3
1 Cajun Chicken 30.9
2 Fried Chicken 33.4
3 Yin Yang Salad 28.9
4 Seafood Feast 31.8
5 Back to Meals 0.0
=====
| Your Choice is |
=====
5
=====
| Welcome to MTS Restaurant |
| MEALS |
| 1. Breakfast |
| 2. Lunch |
| 3. Dinner |
| 4. Exit |
=====
| Enter Your Choice |
=====
```

- If you select the back to meals, you’ll bring to the meals menu again.

6. Exit Without Order.

```
Administrator: Command Prompt

2 Fried Chicken 33.4
3 Yin Yang Salad 28.9
4 Seafood Feast 31.8
5 Back to Meals 0.0

=====
|           Your Choice is           |
=====
d
Exception in thread "main" java.util.InputMismatchException
    at java.util.Scanner.throwFor(Scanner.java:864)
    at java.util.Scanner.next(Scanner.java:1485)
    at java.util.Scanner.nextInt(Scanner.java:2117)
    at java.util.Scanner.nextInt(Scanner.java:2076)
    at Food.menu(Food.java:248)
    at Food.main(Food.java:330)

C:\>java Food

=====
|   Welcome to MTS Restaurant   |
=====
|           MEALS           |
=====
1.      BreakFast      |
2.      Lunch          |
3.      Dinner         |
4.      Exit           |
=====

=====
|   Enter Your Choice   |
=====
4
=====
|           THANK YOU           |
=====

C:\>
```

- This choice is to cancelled you from ordering.

PROGRAM CODE

```
import java.io.BufferedReader;
import java.io.InputStreamReader;
import java.util.Scanner;
import javax.swing.*;

class Login
{
    String Username;
    String Password;

    public void methodL()
    {
        JOptionPane.showMessageDialog(null, "Please Login First", "Login",
        JOptionPane.INFORMATION_MESSAGE);

        Username= JOptionPane.showInputDialog("Username");
        Password= JOptionPane.showInputDialog("Password");

        JOptionPane.showMessageDialog(null, "Logged In", "MTS RESTAURANT",
        JOptionPane.INFORMATION_MESSAGE);
    }
}

public class Food extends Login {
    static int choice;
    static int choose=0;

    public void menu(){

        String[] breakfast={"Sandwich","Kaya
        Toast","Noodles","Biscuits","Cancel"};

        float[] breakfast_price={3,6,5,5,0};
```

```
String[] lunch={"Chicken curry","Wonton mee","Seafood Lunch","Grilled Salmon","Cancel"};
```

```
float[] lunch_price={15,10,20,22,0};
```

```
String[] dinner={"Cajun Chicken","Fried Chicken","Yin Yang Salad","Seafood Feast","Cancel"};
```

```
float[] price_dinner={15,19,16,19,0};
```

```
String adddata,cname;
```

```
int no;
```

```
System.out.println();
```

```
System.out.println("=====");
```

```
System.out.println("|      Welcome to MTS Restaurant      |");
```

```
System.out.println("=====");
```

```
System.out.println("|                      MEALS                      |");
```

```
System.out.println("=====");
```

```
System.out.println("|1.          BreakFast          |");
```

```
System.out.println("|2.          Lunch              |");
```

```
System.out.println("|3.          Dinner             |");
```

```
System.out.println("|4.          Exit               |");
```

```
System.out.println("=====");
```

```
BufferedReader input2 = new BufferedReader (new InputStreamReader (System.in));
```

```
int i = 0;
```

```
float totalprice = 0;
```

```
String menus[] = new String [100];
```

```
float price[] = new float [100];
```

```
int quantity[] = new int [100];
```

```
Scanner menu = new Scanner(System.in);
```

```
System.out.println();
```

```
System.out.println("=====");
```

```
System.out.println("|          Enter Your Choice          |");
```

```
System.out.println("=====");
```

```

choice = menu.nextInt();

    boolean keluar;

do{

    if (choice==1){
        for(int b=0;b<breakfast.length;b++){
            System.out.println();
            System.out.println(b+1 +" "+breakfast[b] +" " +breakfast_price[b]);
        }
        {
            do{
                System.out.println();
                System.out.println("=====");
                System.out.println("|          Your Choice is          |");
                System.out.println("=====");
                int pil = menu.nextInt();

                if(pil<breakfast.length){
                    menus[i] = breakfast[pil-1];
                    price[i] = breakfast_price[pil-1];
                    quantity[i] = 0;
                }else if(pil == breakfast.length){
                    menu();
                }else{
                    System.out.println("|    Your choice is not in the menu    |");
                    menus[i] = "Nothing";
                    price[i] = 0;
                }

                Scanner input = new Scanner(System.in);

                System.out.println();
            }
        }
    }
}

```

```

System.out.println("=====");

        System.out.println("|   How Many Pieces Do You Want For The
Menu? :   |");

System.out.println("=====");

        quantity[i]=menu.nextInt();

        System.out.println();

        System.out.println("=====");

        System.out.println("|           Menu that you order is           |");

        System.out.println("=====");

        System.out.println("|           MENU           ||           PRICE           |");

        System.out.println("| " + menus[i] + "           " + " || " + "           " +
quantity[i]*price[i] + "           "+"|");

        System.out.println("=====");

        System.out.println();

        System.out.println("=====");

        System.out.println("|   Do you want to order again?           |");

        System.out.println("|           YES (y) | NO (n)           |");

        System.out.println("=====");

        adddata = input.nextLine();

        i++;

    }while (adddata.equalsIgnoreCase("y"));

    Scanner s = new Scanner(System.in);

    System.out.println();

System.out.println("=====");

        System.out.println("|   Please Insert Your Name and Phone Number
|");

System.out.println("=====");

        cname = s.nextLine();

        no = s.nextInt();

```

```

    }

    System.out.println();

    System.out.println("=====");
    System.out.println("|          Customer Details          |");
    System.out.println("=====");
    System.out.println("Name : "+cname);
    System.out.println("No.Tel : "+no);
    System.out.println("=====");
    System.out.println("|      All menu that you order is      |");
    System.out.println("=====");
    for (int a = 0; a<i;a++){
        System.out.print(menus[a]+"\\n");
    }
    System.out.println("=====");
    for (int b = 0; b<i;b++){
        totalprice = totalprice + quantity[b]*price[b];
    }

    System.out.println("Total Price    : RM"+totalprice);
    double payment=0;

    do
    {
        System.out.println();
        System.out.println("Enter Your Payment: ");
        payment = menu.nextInt();

        if(totalprice > payment)
        {
            JOptionPane.showMessageDialog(null, "Your payment is
insufficient; please make a sufficient payment in accordance with the
payment schedule", "MTS Restaurant", JOptionPane.INFORMATION_MESSAGE);

        }
    }

```

```

    }

    while(totalprice > payment);

    JOptionPane.showMessageDialog(null, "Thank You for Buying Our
    Meals! Here's Your Change: RM" +(payment-totalprice), "MTS Restaurant",
    JOptionPane.INFORMATION_MESSAGE);

    }

    else if (choice==2){
        for(int a=0;a<lunch.length;a++){
            System.out.println();
            System.out.println(a+1 +" "+lunch[a] +" " +lunch_price[a]);
        }

        do{
            System.out.println();
            System.out.println("=====");
            System.out.println("|           Your Choice is           |");
            System.out.println("=====");
            int pil = menu.nextInt();
            if(pil<lunch.length){
                menus[i] = lunch[pil-1];
                price[i] = lunch_price[pil-1];
            }else if(pil == lunch.length){
                menu();
            }else{
                System.out.println("|   Your choice is not in the menu   |");
                menus[i] = "Nothing";
                price[i] = 0;
            }
        }

        Scanner input = new Scanner(System.in);

        System.out.println();

        System.out.println("=====");

```



```

        System.out.println("|   How Many Pieces Do You Want For The
Menu? :   |");

System.out.println("=====");

    quantity[i]=menu.nextInt();

    System.out.println();

    System.out.println("=====");
    System.out.println("|           Menu that you order is           |");
    System.out.println("=====");
    System.out.println("|           MENU           ||           PRICE           |");
    System.out.println("|" + menus[i] + "           "+" || "+"           "+"
quantity[i]*price[i]  + "           "+"|");
    System.out.println("=====");

    System.out.println();

    System.out.println("=====");
    System.out.println("|   Do you want to order again?   |");
    System.out.println("|           YES (y) | NO (n)           |");
    System.out.println("=====");
    adddata = input.nextLine();
    i++;
}while (adddata.equalsIgnoreCase("y"));

Scanner s = new Scanner(System.in);
System.out.println();

System.out.println("=====");

    System.out.println("|   Please Insert Your Name and Phone Number
|");

System.out.println("=====");

    cname = s.nextLine();
    no = s.nextInt();

    System.out.println();

    System.out.println("=====");

```

```

System.out.println("|           Customer Details           |");
System.out.println("=====");
System.out.println("Name : "+cname);
System.out.println("No.Tel : "+no);
System.out.println("=====");
System.out.println("|       All menu that you order is       |");
System.out.println("=====");
System.out.println("=====");
for (int a = 0; a<i;a++){
    System.out.print(menus[a]+"\\n");
}
System.out.println("=====");
for (int b = 0; b<=i;b++){
    totalprice = totalprice + (quantity[b] * price[b]);
}
System.out.println("Total Price    : RM"+totalprice);
double payment=0;

do
{
    System.out.println();
    System.out.println("Enter Your Payment: ");
    payment = menu.nextInt();

    if(totalprice > payment)
    {
        JOptionPane.showMessageDialog(null, "Your payment is
insufficient; please make a sufficient payment in accordance with the
payment schedule", "MTS Restaurant", JOptionPane.INFORMATION_MESSAGE);

    }
}

while(totalprice >= payment);

```

```
JOptionPane.showMessageDialog(null, "Thank You for Buying Our  
Meals! Here's Your Change: RM" +(payment-totalprice), "MTS Restaurant",  
JOptionPane.INFORMATION_MESSAGE);
```

```
    }  
  
    else if (choice==3){  
        for(int a=0;a<dinner.length;a++){  
            System.out.println();  
            System.out.println(a+1 +" "+dinner[a] +" " +price_dinner[a]);  
        }  
    }
```

```
do{  
    System.out.println();  
    System.out.println("=====");  
    System.out.println("|           Your Choice is           |");  
    System.out.println("=====");  
    int pil = menu.nextInt();
```

```
    if(pil<dinner.length){  
        menus[i] = dinner[pil-1];  
        price[i] = price_dinner[pil-1];  
    }else if(pil == dinner.length){  
        menu();  
    }else{  
        System.out.println("|   Your choice is not in the menu   |");  
        menus[i] = "Nothing";  
        price[i] = 0;  
    }  
}
```

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

```
    System.out.println();
```

```
System.out.println("=====");
```

```
    System.out.println("|   How Many Pieces Do You Want For The  
Menu? :   |");
```

```

System.out.println("=====");
    quantity[i]=menu.nextInt();

    System.out.println();

    System.out.println("=====");
    System.out.println("|      Menu that you order is      |");
    System.out.println("=====");
    System.out.println("|      MENU      ||      PRICE      |");
    System.out.println("|" + menus[i] + "      "+" || "+"      "+"
(quantity[i]*price[i])  + "      "+"|");
    System.out.println("=====");

    System.out.println();
    System.out.println("=====");
    System.out.println("|    Do you want to order again?    |");
    System.out.println("|      YES (y) | NO (n)      |");
    System.out.println("=====");
    adddata = input.nextLine();
    i++;
    }while (adddata.equalsIgnoreCase("y"));

    Scanner s = new Scanner(System.in);
    System.out.println();

System.out.println("=====");
    System.out.println("|  Please Insert Your Name and Phone Number
|");

System.out.println("=====");
    cname = s.nextLine();
    no = s.nextInt();

    System.out.println();
    System.out.println("=====");
    System.out.println("|      Customer Details      |");
    System.out.println("=====");

```

```

System.out.println("Name : "+cname);
System.out.println("No.Tel : "+no);
System.out.println("=====");
System.out.println("|      All menu that you order is      |");
System.out.println("=====");
System.out.println("=====");
for (int a = 0; a<i;a++){
    System.out.print(menus[a]+"\\n");
}
System.out.println("=====");
for (int b = 0; b<i;b++){
    totalprice = totalprice + (quantity[b] * price[b]);
}
System.out.println("Total Price      : RM"+totalprice);
double payment=0;

do
{
    System.out.println();
    System.out.println("Enter Your Payment: ");
    payment = menu.nextInt();

    if(totalprice > payment)
    {
        JOptionPane.showMessageDialog(null, "Your payment is
insufficient; please make a sufficient payment in accordance with the
payment schedule", "MTS Restaurant", JOptionPane.INFORMATION_MESSAGE);

    }
}

while(totalprice >= payment);

JOptionPane.showMessageDialog(null, "Thank You for Buying Our
Meals! Here's Your Change: RM" +(payment-totalprice), "MTS Restaurant",
JOptionPane.INFORMATION_MESSAGE);

```

```

    }
    }while(keluar=false);

        System.out.println("=====");
        System.out.println("|          THANK YOU          |");
        System.out.println("=====");
    }

    public static void main(String[] args) {

        Login loginObject = new Login();
        loginObject.methodL();

        Food foodObject = new Food();
        foodObject.menu();
    }

}

```