

GLOBAL QUEST TECHNOLOGIES



PROJECT REPORT ON

“Shopping Application”

Using Java Programming Language

Submitted by

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Introduction

Our simple shopping application, built using Java core, aims to provide a user-friendly command-line interface for online shopping. It offers the basic functionalities of browsing products, adding them to a shopping cart, reviewing the cart contents, and completing the purchase. Here's a detailed description of each component:

Product Catalog:

- The heart of our application is a product catalog, which contains information about the items available for purchase.
- Each product entry includes attributes such as name, description, price

Shopping Cart:

- The shopping cart allows users to accumulate items they wish to buy.
- Users can add products to the cart.
- The cart provides options to view the contents.
- It displays the total cost of items in the cart.

User Interface:

- Since our application is command-line based, users interact with it via text-based menus and prompts.
- The interface guides users through product selection, cart management, and the Purchase process.
- It displays the product catalog, cart contents, and Purchase details clearly for user convenience.

Purchase Process:

- The Purchase process simulates the finalization of the purchase.
- Users have option to confirm their Purchase,.
- After confirmation, the application processes the order and generates an order receipt of purchase.

Java Core Utilization:

In this project, we rely on Java core features and libraries for various aspects:

- **Object-Oriented Programming:** We use Java's object-oriented capabilities to model products, the shopping cart, and other application elements as classes.
- **Input/Output Handling:** Java's standard input/output functions for user interaction, enabling users to make selections and see results through the command line.
- **File Handling:** Basic file I/O is used to save and load the product catalog and cart data, ensuring continuity between application sessions.
- **Control Structures:** We utilize fundamental control structures like loops and conditionals such as input to manage the product catalog and purchasing.

Project Objectives:

This project provides hands-on experience in Java core programming and essential software development skills. Through its implementation, you will:

- Master object-oriented programming concepts.
- Develop proficiency in user input and output handling.
- Gain practical knowledge of file I/O for data persistence.
- Understand and apply basic control structures .
- Simulate real-world scenarios in software development, focusing on a shopping application.

Overall, our simple shopping application using Java core offers a practical and educational project that enables you to explore the world of software development while creating a useful tool for online shoppers.

Source code:

```

package shoppingApp;
import java.util.*;

/**
 * @author sainadh
 */
public class shoppingApplication
{
    public static int num_1;
    public static String s1;
    public static String s2="Yes";

    public static void collectInput()
    {
        Scanner scanner=new Scanner(System.in);
        System.out.println("Select the Item from above options :\n");
        num_1=scanner.nextInt();

    }
    public static void collectInput2()
    {
        Scanner scanner=new Scanner(System.in);

        s1=scanner.next();

    }
    public static void main(String[] args) {
        // Main Method
        Scanner scanner=new Scanner(System.in);
        System.out.println("
+ \"\t\t\t\t\t! Welcome to the Online Shopping App!\";
        System.out.println();

        System.out.println("
\t\t\t\t\tCategories available in Shopping app \n"
+ "\t\t\t\t\t1.Home Decors\n"
+ "\t\t\t\t\t2.Electronics\n"
+ "\t\t\t\t\t3.Fashion\n"
+ "\t\t\t\t\t4.Instamart\n"
+ "\t\t\t\t\t5.Sports\n"

```

```

+ "\t\t\t\t\t\t\t6.Exit");
collectInput();
// Case 1 For Home Decors

switch(num_1)
{
case 1:{

System.out.println("Category available from Home decors:\n"
+"1.furniture\n"
+"2.Blankets\n"
+"3.Carpets\n"
+"4.Kitchen Decors\n");

collectInput();
switch(num_1)
{
case 1:
{

System.out.println("Products available in Furnitures:\n"
+"1.Bed\n"
+"2.Laptop Table\n"
);

collectInput();
switch(num_1)
{
case 1:
{
System.out.println("-----\n"
+ "Wake fit taurus Engineered Wood king Box Bed color-Walnut\n"
+ "Depth          187.4 cm\n"
+ "width           209.7 cm\n"
+ "Height          79.5 cm\n\n"
+ "cost = 13455");
System.out.println("Do you want to purchase \n please Select :Yes/No ");
collectInput2();
if(s1.equalsIgnoreCase(s2))
{
System.out.println("-----Here is the Receipt of Your Purchasing Details-----\n"
+ "Wake fit taurus Engineered Wood king Box Bed color-Walnut\n"
+ "Depth          187.4 cm\n"
+ "width           209.7 cm\n"

```

```

+ "Height          79.5 cm\n\n"
+ " Amount paid  = 13455\n"
+ "Product succefully purchased");

main(null);
}
else
{
System.out.println("Thanks For visting Shopping Application\n\n");
main(null);
}
}

case 2:
{

System.out.println("-----\n"
+ "Wake fit taurus Engineered wood laptop Table color-Walnut\n"
+ "height          187.4 cm\n"
+ "width           209.7 cm\n"
+ "cost = 555");
System.out.println("Do you want to purchase \n please Select :Yes/No ");
collectInput2();
if(s1.equalsIgnoreCase(s2))
{
System.out.println("-----Here is the Recipt of Your Purchasing Details-----\n"
+ "Wake fit taurus Engineered wood laptop Table color-Walnut\n"
+ "height          187.4 cm\n"
+ "width           209.7 cm\n"
+ " Amount paid  = 13455\n"
+ "Product succefully purchased");

main(null);
}
else
{
System.out.println("Thanks For visting Shopping Application\n\n");
main(null);
}
}

default:

System.out.println(" please select correct product\n\n ");

```

```

    main(null);
}
}

case 2:
{

System.out.println("Products available in Blankets:\n"
+"1.Cotton Blanket\n"
+"2.Double blaket\n"
);
System.out.println("Choose the product you want to purchase in Blankets :\n ");
collectInput();
switch(num_1)
{
case 1:
{
System.out.println("\t\t\t\t\t-----\n"
+ "\t\t\t\t\tCotton Blanket      \n"
+ "\t\t\t\t\tcost    = 899");
System.out.println("Do you want to purchase \n please Select :Yes/No ");
collectInput2();
if(s1.equalsIgnoreCase(s2))
{
System.out.println("\t\t\t\t\t-----Here is the Receipt of Your Purchasing Details-----
-----\n"
+ "\t\t\t\t\tCotton Blanket      \n"

+ "\t\t\t\t\t Amount paid  = 899  \n"
+ "\t\t\t\t\t Product succesfully purchased\n");

main(null);
}
else
{
System.out.println("Thanks For visting Shopping Application\n\n");
main(null);
}

}

case 2:
{

```

```

System.out.println("\t\t\t\t\t-----\n"
+ "\t\t\t\t\tDouble Blanket      \n"

+ "\t\t\t\t\tcost    = 1999");
System.out.println("Do you want to purchase \n please Select :Yes/No ");
collectInput2();
if(s1.equalsIgnoreCase(s2))
{
System.out.println("\t\t\t\t\t-----Here is the Receipt of Your Purchasing Details-----
-----\n"
+ "\t\t\t\t\tDouble Blanket      \n"

+ "\t\t\t\t\tAmount paid  = 1999 \n"
+ "\t\t\t\t\tProduct succefully purchased\n");

main(null);
}
else
{
System.out.println("Thanks For visting Shopping Application\n\n");
main(null);
}

}

default:

System.out.println(" please select correct product ");
}
}
case 3:
{

System.out.println("Products available in Carpets:\n"
+ "1.Red Carpet\n"
+ "2.Blue Carpet\n"
);
System.out.println("Choose the product you want to purchase in Carpets \n: ");
collectInput();
switch(num_1)
{
case 1:
{

```



```

System.out.println("\t\t\t\t\t-----\n"
+ "\t\t\t\t\tRed Carpet      \n"
+ "\t\t\t\t\tcost    = 199");
System.out.println("Do you want to purchase \n please Select :Yes/No ");
collectInput2();
if(s1.equalsIgnoreCase(s2))
{
System.out.println("\t\t\t\t\t-----Here is the Receipt of Your Purchasing Details-----
-----\n"
+ "\t\t\t\t\tRed Carpet      \n"

+ "\t\t\t\t\t Amount paid  = 199 \n"
+ "\t\t\t\t\t Product succefully purchased\n");

    main(null);
}
else
{
System.out.println("Thanks For visting Shopping Application\n\n");
main(null);
}

}

case 2:
{
System.out.println("\t\t\t\t\t-----\n"
+ "\t\t\t\t\tBlue Carpet      \n"

+ "\t\t\t\t\tcost    = 199");
System.out.println("Do you want to purchase \n please Select :Yes/No ");
collectInput2();
if(s1.equalsIgnoreCase(s2))
{
System.out.println("\t\t\t\t\t-----Here is the Receipt of Your Purchasing Details-----
-----\n"
+ "\t\t\t\t\tBlue carpet      \n"

+ "\t\t\t\t\t Amount paid  = 199 \n"
+ "\t\t\t\t\t Product succefully purchased\n");

    main(null);
}
else
{

```

```

System.out.println("Thanks For visting Shopping Application\n\n");
main(null);
}

}
default:

System.out.println(" please select correct product ");
}
}
case 4:
{

System.out.println("Products available in Kitechen Decors:\n"
+"1.Wall stickers\n"
+"2.stickers\n"
);
System.out.println("Choose the product you want to purchase in Kitechen Decors ");

collectInput();
switch(num_1)
{
case 1:
{
System.out.println("\t\t\t\t\t-----\n"
+ "\t\t\t\t\tWall Stickers \n"
+ "\t\t\t\t\tcost = 899");
System.out.println("Do you want to purchase \n please Select :Yes/No ");
collectInput2();
if(s1.equalsIgnoreCase(s2))
{
System.out.println("\t\t\t\t\t-----Here is the Receipt of Your Purchasing Details-----
-----\n"
+ "\t\t\t\t\tWall Stickers \n"

+ "\t\t\t\t\tAmount paid = 899 \n"
+ "\t\t\t\t\tProduct succesfully purchased\n");

main(null);
}
else
{
System.out.println("Thanks For visting Shopping Application\n\n");
main(null);
}
}
}
}

```

```

}

}

case 2:
{
System.out.println("\t\t\t\t\t-----\n"
+ "\t\t\t\t\tStickers          \n"

+ "\t\t\t\t\ttcost    = 1999");
System.out.println("Do you want to purchase \n please Select :Yes/No ");
collectInput2();
if(s1.equalsIgnoreCase(s2))
{
System.out.println("\t\t\t\t\t-----Here is the Receipt of Your Purchasing Details-----
-----\n"
+ "\t\t\t\t\tStickers          \n"

+ "\t\t\t\t\t Amount paid  = 1999 \n"
+ "\t\t\t\t\t Product succesfully purchased\n");

main(null);
}
else
{
System.out.println("Thanks For visting Shopping Application\n\n");
main(null);
}
}
default:

System.out.println(" please select correct product ");
}
}
default:
System.out.println(" please select correct product ");
}
}
//case2 for Electronics
case 2:{

System.out.println("Category available from Electronics:\n"
+ "1.Mobiles\n"
+ "2.Chargers\n"

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```
+ "3.Laptops\n"
+ "4.Headphones\n");
System.out.println("Choose the category in Electronic:\n ");
collectInput();
switch(num_1)
{
case 1:
{
System.out.println("Products available in Mobiles:\n")
+ "1.Oppo\n"
+ "2.Realme\n"
);
collectInput();
switch(num_1)
{
case 1:
{
System.out.println("\t\t\t\t\t-----\n"
+ "\t\t\t\t\tReno 85G (ShiMmer Black) \t\t\t\t\t\n"
+ "\t\t\t\t\tRam \t\t\t\t\t8 GB \n"
+ "\t\t\t\t\tROM \t\t\t\t\t128GB\n"
+ "\t\t\t\t\tRear Camera \t\t\t\t\t50MP+8MP+2MP\n"
+ "\t\t\t\t\tDisplay \t\t\t\t\tAmoled HD Display\n"
+ "\t\t\t\t\t\t\t\t\t\t\t= \t\t\t\t\t29999");
System.out.println("Do you want to purchase \n please Select :Yes/No ");
collectInput2();
if(s1.equalsIgnoreCase(s2))
{
System.out.println("\t\t\t\t\t\t\t\t\t\t\t-----Here is the Receipt of Your Purchasing Details-----
-----\n"
+ "\t\t\t\t\t\t\t\t\t\t\tReno 85G (ShiMmer Black)\n"
+ "\t\t\t\t\t\t\t\t\t\t\tAmount paid = 29999\n"
+ "\t\t\t\t\t\t\t\t\t\t\tProduct succefully purchased\n");
}
main(null);
}
else
{
System.out.println("Thanks For visting Shopping Application\n\n");
```

```

main(null);
}
}

case 2:
{

System.out.println("\t\t\t\t\t-----\n"
+ "\t\t\t\t\t Realme 85G (ShiMmer Black)   \n "
+ "\t\t\t\t\t Ram           8 GB \n"
+ "\t\t\t\t\t ROM           128GB\n"
+ "\t\t\t\t\t Rear Camera    50MP+8MP+2MP\n"
+ "\t\t\t\t\t Display       Amoled HD Display\n"

+ "\t\t\t\t\t tcost           = 29999");
System.out.println("Do you want to purchase \n please Select :Yes/No ");
collectInput2();
if(s1.equalsIgnoreCase(s2))
{
System.out.println("\t\t\t\t\t-----Here is the Receipt of Your Purchasing Details-----
----\n"
+ "\t\t\t\t\t Realme 85G (ShiMmer Black)\n"
+ "\t\t\t\t\t Amount paid  = 29999\n"
+ "\t\t\t\t\t Product sucefully purchased\n");

main(null);
}
else
{
System.out.println("Thanks For visting Shopping Application\n\n");
main(null);
}
}

default:
System.out.println("Please Enter valid option");
}
}

case 2:
{

System.out.println("Products available in Chargers:\n"
+ "1.Ctype charger\n"
+ "2.Btype Charger\n"

```

```

);
System.out.println("Choose the product you want to purchase in Chargers \n ");
collectInput();
switch(num_1)
{
case 1:
{
System.out.println("\t\t\t\t\t-----\n"
+ "\t\t\t\t\tCtype cable ( Black color) \n"
+ "\t\t\t\t\tsuper fast charging \n"
+ "\t\t\t\t\tcost = 299");
System.out.println("Do you want to purchase \n please Select :Yes/No ");
collectInput2();
if(s1.equalsIgnoreCase(s2))
{
System.out.println("\t\t\t\t\t-----Here is the Receipt of Your Purchasing Details-----
-----\n"
+ "\t\t\t\t\tCtype cable ( Black color) \n"
+ "\t\t\t\t\tsuper fast charging \n"

+ "\t\t\t\t\t Amount paid = 29999\n"
+ "\t\t\t\t\t Product successfully purchased\n");

main(null);
}
else
{
System.out.println("Thanks For visting Shopping Application\n\n");
main(null);
}
}

case 2:
{

System.out.println("\t\t\t\t\t-----\n"
+ "\t\t\t\t\tBtype cable ( Black color) \n"
+ "\t\t\t\t\tsuper fast charging \n"
+ "\t\t\t\t\tcost = 299");
System.out.println("Do you want to purchase \n please Select :Yes/No ");
collectInput2();
if(s1.equalsIgnoreCase(s2))
{
System.out.println("\t\t\t\t\t-----Here is the Receipt of Your Purchasing Details-----
-----\n"

```

```
+ "\t\t\t\t\tCtype cable ( Black color) \n"
+ "\t\t\t\t\tsuper fast charging \n"

+ "\t\t\t\t\t Amount paid = 29999\n"
+ "\t\t\t\t\t Product succefully purchased\n");

main(null);
}
else
{
System.out.println("Thanks For visting Shopping Application\n\n");
main(null);
}
}

default:
System.out.println("Please Enter valid option");
}

}

case 3:
{

System.out.println("Products available in Laptops\n"
+"1.HP\n"
+"2.Dell\n"
);
System.out.println("Choose the products you want to purchase in Laptop list ");
collectInput();
switch(num_1)
{
case 1:
{
System.out.println("\t\t\t\t\t-----\n"
+ "\t\t\t\t\tHP Laptop \n"
+ "\t\t\t\t\tRam 12GB\n"
+ "\t\t\t\t\tRom 1TB\n"
+ "\t\t\t\t\tBattery 6hrs\n"
+ "\t\t\t\t\tcost = 59999");
System.out.println("Do you want to purchase \n please Select :Yes/No ");
collectInput2();
if(s1.equalsIgnoreCase(s2))
{
System.out.println("\t\t\t\t\t-----Here is the Receipt of Your Purchasing Details-----
-----\n"
```

```

+ "\t\t\t\t\tHP Laptop          \n"
+ "\t\t\t\t\tRam              12GB\n"
+ "\t\t\t\t\tRom              1TB\n"
+ "\t\t\t\t\tBattery          6hrs\n"

+ "\t\t\t\t\tAmount paid  = 29999\n"
+ "\t\t\t\t\tProduct succefully purchased\n");

main(null);
}
else
{
System.out.println("Thanks For visting Shopping Application\n\n");
main(null);
}

}

case 2:
{
System.out.println("\t\t\t\t\t-----\n"
+ "\t\t\t\t\tDell Laptop          \n"
+ "\t\t\t\t\tRam              12GB\n"
+ "\t\t\t\t\tRom              1TB\n"
+ "\t\t\t\t\tBattery          6hrs\n"
+ "\t\t\t\t\ttcost      =      59999");
System.out.println("Do you want to purchase \n please Select :Yes/No ");
collectInput2();
if(s1.equalsIgnoreCase(s2))
{
System.out.println("\t\t\t\t\t-----Here is the Receipt of Your Purchasing Details-----
-----\n"
+ "\t\t\t\t\tDell Laptop          \n"
+ "\t\t\t\t\tRam              12GB\n"
+ "\t\t\t\t\tRom              1TB\n"
+ "\t\t\t\t\tBattery          6hrs\n"

+ "\t\t\t\t\tAmount paid  = 29999\n"
+ "\t\t\t\t\tProduct succefully purchased\n");

main(null);
}
else
{
System.out.println("Thanks For visting Shopping Application\n\n");

```



```

    main(null);
}

}
default:

System.out.println(" please select correct product ");
}
}
case 4:
{

System.out.println("Choose the products you want to purchase in Headphones ");
System.out.println("Products available in Headphones:\n"
+"1.Bluetoot Headphones\n"
+"2.Wire Headphones\n"
);
collectInput();
switch(num_1)
{
case 1:
{
System.out.println("\t\t\t\t\t-----\n"
+ "\t\t\t\t\tBluetoothHeadphones      \n"
+ "\t\t\t\t\tSpeakers          3mm drivers\n"
+ "\t\t\t\t\tBattery           50hrs\n"
+ "\t\t\t\t\tcost            =      999");
System.out.println("Do you want to purchase \n please Select :Yes/No ");
collectInput2();
if(s1.equalsIgnoreCase(s2))
{
System.out.println("\t\t\t\t\t-----Here is the Receipt of Your Purchasing Details-----
-----\n"
+ "\t\t\t\t\tBluetoothHeadphones      \n"
+ "\t\t\t\t\tSpeakers          3mm drivers\n"
+ "\t\t\t\t\tBattery           50hrs\n"
+ "\t\t\t\t\t Amount paid  = 999 \n"
+ "\t\t\t\t\t Product succefully purchased\n");

    main(null);
}
else
{
System.out.println("Thanks For visting Shopping Application\n\n");

```

```

    main(null);
}

}

case 2:
{
    System.out.println("\t\t\t\t\t-----\n"
+ "\t\t\t\t\tBluetoothHeadphones      \n"
+ "\t\t\t\t\tSpeakers      3mm drivers\n"
+ "\t\t\t\t\tBattery      50hrs\n"
+ "\t\t\t\t\ttcost      =      999");
    System.out.println("Do you want to purchase \n please Select :Yes/No ");
    collectInput2();
    if(s1.equalsIgnoreCase(s2))
    {
        System.out.println("\t\t\t\t\t-----Here is the Receipt of Your Purchasing Details-----
        ----\n"
+ "\t\t\t\t\tWire Headphones      \n"
+ "\t\t\t\t\tspeakers      10Mm\n"

+ "\t\t\t\t\t Amount paid  = 299 \n"
+ "\t\t\t\t\t Product sucefully purchased\n");

        main(null);
    }
    else
    {
        System.out.println("Thanks For visting Shopping Application\n\n");
        main(null);
    }

}

default:

    System.out.println(" please select correct product ");
}
}

default:
    System.out.println(" please select correct product ");

}
}

//case 3 for Fashions

```

```

case 3:{
System.out.println("Choose the category in Fashions ");
System.out.println("Category available from Fashions:\n"
+"1.Gents\n"
+"2.Ladies\n"
+"3.Kids\n"
+"4.NightWear\n");
collectInput();
switch(num_1)
{
case 1:
{

System.out.println("Choose the products you want to purchase in Gents ");
System.out.println("Products available in Gents:\n"
+"1.Shirt\n"
+"2.Pant\n"
);
collectInput();
switch(num_1)
{
case 1:
{
System.out.println("\t\t\t\t\t-----\n"
+ "\t\t\t\t\tShirt \n"
+ "\t\t\t\t\tcost = 999");
System.out.println("Do you want to purchase \n please Select :Yes/No ");
collectInput2();
if(s1.equalsIgnoreCase(s2))
{
System.out.println("\t\t\t\t\t-----Here is the Receipt of Your Purchasing Details-----
-----\n"
+ "\t\t\t\t\ttshirt \n"

+ "\t\t\t\t\t Amount paid = 999 \n"
+ "\t\t\t\t\t Product succesfully purchased\n");

main(null);
}
else
{
System.out.println("Thanks For visting Shopping Application\n\n");
main(null);
}
}

```

```

}

case 2:
{
System.out.println("\t\t\t\t\t-----\n"
+ "\t\t\t\t\tPant          \n"
+ "\t\t\t\t\tcost    =  1299");
System.out.println("Do you  want to purchase \n please Select :Yes/No ");
collectInput2();
if(s1.equalsIgnoreCase(s2))
{
System.out.println("\t\t\t\t\t-----Here is the Receipt of Your Purchasing Details-----
----\n"
+ "\t\t\t\t\tPant          \n"

+ "\t\t\t\t\t Amount paid  = 1299  \n"
+ "\t\t\t\t\t Product succesfully purchased\n");

main(null);
}
else
{
System.out.println("Thanks For visting Shopping Application\n\n");
main(null);
}

}

default:

System.out.println(" please select correct product ");
}
}

case 2:
{

System.out.println("Choose  the products you want to purchase in Ladies  ");
System.out.println("Products  available  in Ladies:\n"
+ "1.Dress\n"
+ "2.Saree\n"
);
collectInput();
switch(num_1)
{

```

```

case 1:
{
System.out.println("\t\t\t\t\t-----\n"
+ "\t\t\t\t\tDress      \n"
+ "\t\t\t\t\tcost    =  1999");
System.out.println("Do you  want to purchase \n please Select :Yes/No ");
collectInput2();
if(s1.equalsIgnoreCase(s2))
{
System.out.println("\t\t\t\t\t-----Here is the Receipt of Your Purchasing Details-----
-----\n"
+ "\t\t\t\t\tDress      \n"

+ "\t\t\t\t\t Amount paid  = 999  \n"
+ "\t\t\t\t\t Product succefully purchased\n");

    main(null);
}
else
{
System.out.println("Thanks For visting Shopping Application\n\n");
main(null);
}

}

case 2:
{
System.out.println("\t\t\t\t\t-----\n"
+ "\t\t\t\t\t saree      \n"
+ "\t\t\t\t\t cost    =  1299");
System.out.println("Do you  want to purchase \n please Select :Yes/No ");
collectInput2();
if(s1.equalsIgnoreCase(s2))
{
System.out.println("\t\t\t\t\t-----Here is the Receipt of Your Purchasing Details-----
-----\n"
+ "\t\t\t\t\t Saree      \n"

+ "\t\t\t\t\t Amount paid  = 1299  \n"
+ "\t\t\t\t\t Product succefully purchased\n");

    main(null);
}
else

```

```

{
System.out.println("Thanks For visting Shopping Application\n\n");
main(null);
}
}

```

default:

```

System.out.println(" please select correct product ");
}
}
case 3:
{

System.out.println("Choose the products you want to purchase in Kids ");
System.out.println("Products available in Kids:\n"
+"1.Shirt\n"
+"2.Pant\n"
);
collectInput();
switch(num_1)
{
case 1:
{
System.out.println("\t\t\t\t\t-----\n"
+ "\t\t\t\t\tShirt \n"
+ "\t\t\t\t\tcost = 999");
System.out.println("Do you want to purchase \n please Select :Yes/No ");
collectInput2();
if(s1.equalsIgnoreCase(s2))
{
System.out.println("\t\t\t\t\t-----Here is the Receipt of Your Purchasing Details-----
-----\n"
+ "\t\t\t\t\ttshirt \n"

+ "\t\t\t\t\t Amount paid = 999 \n"
+ "\t\t\t\t\t Product succesfully purchased\n");

main(null);
}
else
{
System.out.println("Thanks For visting Shopping Application\n\n");
main(null);
}
}
}

```

```

    }

    }

    case 2:
    {
        System.out.println("\t\t\t\t\t-----\n"
        + "\t\t\t\t\tPant          \n"
        + "\t\t\t\t\tcost    =   1299");
        System.out.println("Do you want to purchase \n please Select :Yes/No ");
        collectInput2();
        if(s1.equalsIgnoreCase(s2))
        {
            System.out.println("\t\t\t\t\t-----Here is the Receipt of Your Purchasing Details-----
            ----\n"
            + "\t\t\t\t\tPant          \n"

            + "\t\t\t\t\t Amount paid  = 1299  \n"
            + "\t\t\t\t\t Product succesfully purchased\n");

            main(null);
        }
        else
        {
            System.out.println("Thanks For visting Shopping Application\n\n");
            main(null);
        }

    }

    default:

        System.out.println(" please select correct product ");
        }
        }

    case 4:
    {

        System.out.println("Choose the products you want to purchase in Nightwear ");
        System.out.println("Products available in Nightwear:\n"
        + "1.Tshirt\n"
        + "2.Night pant\n"
        );
        collectInput();
    }

```

```

switch(num_1)
{
case 1:
{
System.out.println("\t\t\t\t\t-----\n"
+ "\t\t\t\t\tTShirt      \n"
+ "\t\t\t\t\tcost    =   999");
System.out.println("Do you  want to purchase \n please Select :Yes/No ");
collectInput2();
if(s1.equalsIgnoreCase(s2))
{
System.out.println("\t\t\t\t\t-----Here is the Receipt of Your Purchasing Details-----
-----\n"
+ "\t\t\t\t\tTshirt      \n"

+ "\t\t\t\t\t Amount paid  = 999 \n"
+ "\t\t\t\t\t Product succesfully purchased\n");

main(null);
}
else
{
System.out.println("Thanks For visting Shopping Application\n\n");
main(null);
}

}

case 2:
{
System.out.println("\t\t\t\t\t\t\t-----\n"
+ "\t\t\t\t\t\t\tNightPant      \n"
+ "\t\t\t\t\t\t\tcost    =   1299");
System.out.println("Do you  want to purchase \n please Select :Yes/No ");
collectInput2();
if(s1.equalsIgnoreCase(s2))
{
System.out.println("\t\t\t\t\t\t\t-----Here is the Receipt of Your Purchasing Details-----
-----\n"
+ "\t\t\t\t\t\t\tNightPant      \n"

+ "\t\t\t\t\t\t\t Amount paid  = 1299 \n"
+ "\t\t\t\t\t\t\t Product succesfully purchased\n");

main(null);
}
}
}

```



```

}
else
{
System.out.println("Thanks For visting Shopping Application\n\n");
main(null);
}

}
default:

System.out.println(" please select correct product ");
}
}
default:
System.out.println(" please select correct product ");
}
}
//Case 4 For instaMart
case 4:{
System.out.println("Choose the category in InstaMart ");
System.out.println("Category available from InstaMart:\n"
+"1.Rice\n"
+"2.Lays\n"
+"3.Biscuits\n"
+"4.Juice\n");
collectInput();
switch(num_1)
{
case 1:
{

System.out.println("Choose the Items you want to purchase in Rice ");
System.out.println("Items available in Rice:\n"
+"1.Sonamasoori Rice\n"
+"2.Idily Rice\n"
);
collectInput();
switch(num_1)
{
case 1:
{
System.out.println("\t\t\t\t\t-----\n"
+ "\t\t\t\t\tSonamassoori \t\t\t\t\t\n"

```

[illegible]

```

}
default:

System.out.println(" please select correct product ");
}
}

case 2:
{

System.out.println("Choose the Items you want to purchase in Lays ");
System.out.println("Items available in INstamart:\n"
+"1.Red Lays\n"
+"2.Green Lays\n"
);
collectInput();
switch(num_1)
{
case 1:
{
System.out.println("\t\t\t\t\t-----\n"
+ "\t\t\t\t\tRed Lays \n"
+ "\t\t\t\t\tcost = 20");
System.out.println("Do you want to purchase \n please Select :Yes/No ");
collectInput2();
if(s1.equalsIgnoreCase(s2))
{
System.out.println("\t\t\t\t\t-----Here is the Receipt of Your Purchasing Details-----
-----\n"
+ "\t\t\t\t\tRed Lays \n"
+ "\t\t\t\t\tAmount paid = 999 \n"
+ "\t\t\t\t\tProduct succefully purchased\n");
}
}
else
{
System.out.println("Thanks For visting Shopping Application\n\n");
main(null);
}
}
}

```

```

case 2:
{
System.out.println("\t\t\t\t\t-----\n"
+ "\t\t\t\t\tGreenLays      \n"
+ "\t\t\t\t\ttcost    =  ");
System.out.println("Do you want to purchase \n please Select :Yes/No ");
collectInput2();
if(s1.equalsIgnoreCase(s2))
{
System.out.println("\t\t\t\t\t-----Here is the Receipt of Your Purchasing Details-----
-----\n"
+ "\t\t\t\t\tPant          \n"

+ "\t\t\t\t\t Amount paid  = 1299 \n"
+ "\t\t\t\t\t Product succesfully purchased\n");

    main(null);
}
else
{
System.out.println("Thanks For visting Shopping Application\n\n");
main(null);
}

}

default:

System.out.println(" please select correct product ");
}
}
case 3:
{

System.out.println("Choose the Items you want to purchase in Biscuits ");
System.out.println("Items available in Biscuits:\n"
+"1.MariGold\n"
+"2.KrackJackn"
);
collectInput();
switch(num_1)
{
case 1:

```

```

{
System.out.println("\t\t\t\t\t-----\n"
+ "\t\t\t\t\tMariGold      \n"
+ "\t\t\t\t\tcost    =  999");
System.out.println("Do you  want to purchase \n please Select :Yes/No ");
collectInput2();
if(s1.equalsIgnoreCase(s2))
{
System.out.println("\t\t\t\t\t-----Here is the Receipt of Your Purchasing Details-----
-----\n"
+ "\t\t\t\t\tMariGold      \n"

+ "\t\t\t\t\t Amount paid  = 99  \n"
+ "\t\t\t\t\t Product succefully purchased\n");

main(null);
}
else
{
System.out.println("Thanks For visting Shopping Application\n\n");
main(null);
}

}

case 2:
{
System.out.println("\t\t\t\t\t-----\n"
+ "\t\t\t\t\tKrackJack      \n"

+ "\t\t\t\t\tcost    =  29");
System.out.println("Do you  want to purchase \n please Select :Yes/No ");
collectInput2();
if(s1.equalsIgnoreCase(s2))
{
System.out.println("\t\t\t\t\t-----Here is the Receipt of Your Purchasing Details-----
-----\n"
+ "\t\t\t\t\tKrackJack      \n"

+ "\t\t\t\t\t Amount paid  = 1299  \n"
+ "\t\t\t\t\t Product succefully purchased\n");

main(null);
}
else

```

```

{
System.out.println("Thanks For visting Shopping Application\n\n");
main(null);
}

}
default:

System.out.println(" please select correct product ");
}
}
case 4:
{

System.out.println("Choose the flavour you want to purchase in Juice ");
System.out.println("Flavours available in Juice:\n"
+"1.Vannela mix\n"
+"2.Butterscotch\n"
);
collectInput();
switch(num_1)
{
case 1:
{
System.out.println("\t\t\t\t\t-----\n"
+ "\t\t\t\t\tVannela mix \t\t\t\t\t\n"
+ "\t\t\t\t\tcost = 99");
System.out.println("Do you want to purchase \n please Select :Yes/No ");
collectInput2();
if(s1.equalsIgnoreCase(s2))
{
System.out.println("\t\t\t\t\t-----Here is the Receipt of Your Purchasing Details-----
-----\n"
+ "\t\t\t\t\tVannela mix \t\t\t\t\t\n"

+ "\t\t\t\t\t Amount paid = 99 \n"
+ "\t\t\t\t\t Product succefully purchased\n");

main(null);
}
else
{
System.out.println("Thanks For visting Shopping Application\n\n");

```

```

    main(null);
}

}

case 2:
{
System.out.println("\t\t\t\t\t-----\n"
+ "\t\t\t\t\tButterscotch      \n"

+ "\t\t\t\t\tcost    =  99");
System.out.println("Do you  want to purchase \n please Select :Yes/No ");
collectInput2();
if(s1.equalsIgnoreCase(s2))
{
System.out.println("\t\t\t\t\t-----Here is the Receipt of Your Purchasing Details-----
----\n"
+ "\t\t\t\t\tButterscotch      \n"

+ "\t\t\t\t\t Amount paid  = 99  \n"
+ "\t\t\t\t\t Product succesfully purchased\n");

    main(null);
}
else
{
System.out.println("Thanks For visting Shopping Application\n\n");
main(null);
}

}

default:

System.out.println(" please select correct product ");
}
}

default:
System.out.println(" please select correct product ");
}
}

//case 5 Sports
case 5:{
System.out.println("Choose  the category in Sports ");
System.out.println("Category available  from Sports:\n"

```

```

+"1.Cricket kit\n"
+"2.Volley ball kit\n"
+"3.Clothes\n"
+"4.safety kit\n");
collectInput();
switch(num_1)
{
case 1:
{

System.out.println("Choose the products you want to purchase in Cricket kit ");
System.out.println("Products available in Furnitures:\n"
+"1.Bat\n"
+"2.Ball\n"
);
collectInput();
switch(num_1)
{
case 1:
{
System.out.println("\t\t\t\t\t-----\n"
+ "\t\t\t\t\tBat \n"
+ "\t\t\t\t\tcost = 999");
System.out.println("Do you want to purchase \n please Select :Yes/No ");
collectInput2();
if(s1.equalsIgnoreCase(s2))
{
System.out.println("\t\t\t\t\t-----Here is the Receipt of Your Purchasing Details-----
----\n"
+ "\t\t\t\t\tBat \n"

+ "\t\t\t\t\t Amount paid = 999 \n"
+ "\t\t\t\t\t Product successfully purchased\n");

main(null);
}
else
{
System.out.println("Thanks For visting Shopping Application\n\n");
main(null);
}

}

case 2:

```



```
{
System.out.println("\t\t\t\t\t-----\n"
+ "\t\t\t\t\tBall \n"

+ "\t\t\t\t\tcost = 99");
System.out.println("Do you want to purchase \n please Select :Yes/No ");
collectInput2();
if(s1.equalsIgnoreCase(s2))
{
System.out.println("\t\t\t\t\t-----Here is the Receipt of Your Purchasing Details-----
----\n"
+ "\t\t\t\t\tBall \n"

+ "\t\t\t\t\t Amount paid = 99 \n"
+ "\t\t\t\t\t Product successfully purchased\n");

main(null);
}
else
{
System.out.println("Thanks For visting Shopping Application\n\n");
main(null);
}

}

default:

System.out.println(" please select correct product ");
}
}

case 2:
{

System.out.println("Choose the products you want to purchase in volleyball ");
System.out.println("Products available in Blankets:\n"
+"1.Volley ball\n"
+"2.volley ball Net\n"
);
collectInput();
switch(num_1)
{
case 1:
{System.out.println("\t\t\t\t\t-----\n"
+ "\t\t\t\t\tVolleyBall \n"
```

[illegible]

```

};

}

default:

System.out.println(" please select correct product ");
}
}
case 3:
{

System.out.println("Choose the products you want to purchase in Clothes ");
System.out.println("Products available in Clothes:\n"
+"1.Thshirt\n"
+"2.Short\n"
);
collectInput();
switch(num_1)
{
case 1:
{
System.out.println("\t\t\t\t\t-----\n"
+ "\t\t\t\t\tTshirt \n"
+ "\t\t\t\t\ttcost = 199");
System.out.println("Do you want to purchase \n please Select :Yes/No ");
collectInput2();
if(s1.equalsIgnoreCase(s2))
{
System.out.println("\t\t\t\t\t-----Here is the Receipt of Your Purchasing Details-----
-----\n"
+ "\t\t\t\t\tTShirt \n"

+ "\t\t\t\t\t Amount paid = 199 \n"
+ "\t\t\t\t\t Product succefully purchased\n");

main(null);
}
else
{
System.out.println("Thanks For visting Shopping Application\n\n");
main(null);
}
}

```

```

}

case 2:
{
System.out.println("\t\t\t\t\t-----\n"
+ "\t\t\t\t\tShort      \n"

+ "\t\t\t\t\ttcost    =  299");
System.out.println("Do you  want to purchase \n please Select :Yes/No ");
collectInput2();
if(s1.equalsIgnoreCase(s2))
{
System.out.println("\t\t\t\t\t-----Here is the Receipt of Your Purchasing Details-----
----\n"
+ "\t\t\t\t\ttShort      \n"

+ "\t\t\t\t\tt Amount paid  = 299  \n"
+ "\t\t\t\t\tt Product succefully purchased\n");

main(null);
}
else
{
System.out.println("Thanks For visting Shopping Application\n\n");
main(null);
};

}

default:

System.out.println(" please select correct product ");
}
}

case 4:
{

System.out.println("Choose  the products you want to purchase in Safetykit  ");
System.out.println("Products  available  in Kitechen Decors:\n"
+ "1.Helmet\n"
+ "2.Gloves\n"
);
collectInput();

```

```

switch(num_1)
{
case 1:
{
System.out.println("\t\t\t\t\t-----\n"
+ "\t\t\t\t\tHelmet      \n"
+ "\t\t\t\t\t\tcost    =  499");
System.out.println("Do you  want to purchase \n please Select :Yes/No ");
collectInput2();
if(s1.equalsIgnoreCase(s2))
{
System.out.println("\t\t\t\t\t\t-----Here is the Receipt of Your Purchasing Details-----
-----\n"
+ "\t\t\t\t\t\tHelmet      \n"

+ "\t\t\t\t\t\t Amount paid  = 499  \n"
+ "\t\t\t\t\t\t Product sucefully purchased\n");

main(null);
}
else
{
System.out.println("Thanks For visting Shopping Application\n\n");
main(null);
}

}

case 2:
{
System.out.println("\t\t\t\t\t\t-----\n"
+ "\t\t\t\t\t\tGloves      \n"

+ "\t\t\t\t\t\t\tcost    =  299");
System.out.println("Do you  want to purchase \n please Select :Yes/No ");
collectInput2();
if(s1.equalsIgnoreCase(s2))
{
System.out.println("\t\t\t\t\t\t\t-----Here is the Receipt of Your Purchasing Details-----
-----\n"
+ "\t\t\t\t\t\t\tGloves      \n"

+ "\t\t\t\t\t\t\t Amount paid  = 299  \n"
+ "\t\t\t\t\t\t\t Product sucefully purchased\n");

```

```
main(null);
}
else
{
System.out.println("Thanks For visting Shopping Application\n\n");
main(null);
};

}
default:

System.out.println(" please select correct product \n");
main(null);
}
}
default:
System.out.println(" please select correct product\n ");
main(null);
}
}
case 6:
{
System.out.println("Thanks For Visiting Shopping Application");
System.exit(0);
}

default:

System.out.println(" please select correct product\n ");
main(null);

}
}
}
```

Output:

Case:1

! Welcome to the Online Shopping App!

Categories available in Shopping app

- 1.Home Decors**
- 2.Electronics**
- 3.Fashion**
- 4.Instamart**
- 5.Sports**
- 6.Exit**

Select the Item from above options :

1

Category available from Home decors:

- 1.furniture**
- 2.Blankets**
- 3.Carpets**
- 4.Kitchen Decors**

Select the Item from above options :

1

Products available in Furnitures:

- 1.Bed**
- 2.Laptop Table**

Select the Item from above options :

1

Wake fit taurus Engineered Wood king Box Bed color-Walnut

Depth	187.4 cm
width	209.7 cm
Height	79.5 cm

cost = 13455

Do you want to purchase

please Select :Yes/No

Yes

-----Here is the Recipt of Your Purchasing Details-----

Wake fit taurus Engineered Wood king Box Bed color-Walnut

Depth 187.4 cm

width 209.7 cm

Height 79.5 cm

Amount paid = 13455

Product succefully purchased

! Welcome to the Online Shopping App!

Categories available in Shopping app

1.Home Decors

2.Electronics

3.Fashion

4.Instamart

5.Sports

6.Exit

Select the Item from above options :

6

Thank you For Visiting Shopping Application

Case:2

! Welcome to the Online Shopping App!

Categories available in Shopping app

- 1.Home Decors**
- 2.Electronics**
- 3.Fashion**
- 4.Instamart**
- 5.Sports**
- 6.Exit**

Select the Item from above options :

2

Category available from Electronics:

- 1.Mobiles**
- 2.Chargers**
- 3.Laptops**
- 4.Headphones**

Choose the category in Electronic:

Select the Item from above options :

1

Products available in Mobiles:

- 1.Oppo**
- 2.Realme**

Select the Item from above options :

1

Reno 85G (ShiMmer Black)
Ram 8 GB
ROM 128GB
Rear Camera 50MP+8MP+2MP
Display Amoled HD Display
cost = 29999

Do you want to purchase
please Select :Yes/No
Yes

-----Here is the Receipt of Your Purchasing Details-----

Reno 85G (ShiMmer Black)
Amount paid = 29999
Product succefully purchased

! Welcome to the Online Shopping App!

Categories available in Shopping app

- 1.Home Decors
- 2.Electronics
- 3.Fashion
- 4.Instamart
- 5.Sports
- 6.Exit

Select the Item from above options :

6

Thank you For Visiting Shopping Application