**A Project Report on**

**AMAZON SHOPPING APPLICATION USING JAVA PROGRAMMING LANGUAGE**

submitted by

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under the mentorship of

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**ABSTRACT**

The Online Shopping application is a console based application intended for users seeking online shopping experience. The main objective of this application is to make it interactive and its ease of use which would make selection of the product easier. Based on the user’s input from the list of selections provided, the available products are chosen. The user can then select the number of quantities required for each product which will also compute the cost of order and places the order successfully. The main feature of this application is that it is completely interactive and it is the user who is in control at all times. In this console based Amazon online shopping application we have used a main method in which we have specified the switch condition for different categories. In that switch conditions we called the methods which was written in the class method. The switch case in java executes one statement from multiple ones. Thus, it is like an if-else-if ladder statement. It works with a lot of data types. The switch statement is used to test the equality of a variable against several values specified in the test cases.

**SOURCE CODE**

/\*\*

\*

\*/

package com.gqt.ShoppingApp.project;

import java.util.Scanner;

/\*\*

\* @author MUBEENA

\*

\*/

public class SoppingApplication {

public static int key;

public static int key1;

public static void women() {

Scanner sc=new Scanner(System.in);

System.out.println("Welcome to women clothing section \n"+"---------------------------------- \n"+"1.Kurtas \n"

+"2.Sarees \n");

key1=sc.nextInt();

System.out.println("\*\*Specifications\*\*");

System.out.println("\*cost=4000\* \t \*Fabric=Cotton Clothing\*");

System.out.println("Do you want to purchase???");

boolean b=sc.nextBoolean();

if(b==true) {

System.out.println("\*\*Cash Receipt\*\* \n"+"----------------- \n"+"Cost \t\t\t 4000 \n"+"Gst \t\t\t 0 \n"+"TotalCost \t\t 4000");

System.out.println("Thank u for Shopping :)");

System.out.println("Do u want to continue shopping??");

boolean b1=sc.nextBoolean();

if(b1==true) {

main(null);

}

else

System.out.println("Thank you for shopping!!!");

System.exit(0);

}

else

System.out.println("Thank You,Visit Again..");

System.exit(0);

}

public static void men() {

Scanner sc=new Scanner(System.in);

System.out.println("Welcome to men clothing section \n"+"---------------------------------- \n"+"1.Jeans \n"

+"2.Shirt \n");

key1=sc.nextInt();

System.out.println("\*\*Specifications\*\*");

System.out.println("\*cost=4000\* \t \*Fabric=Cotton Clothing\*");

System.out.println("Do you want to purchase???");

boolean b=sc.nextBoolean();

if(b==true) {

System.out.println("\*\*Cash Receipt\*\* \n"+"----------------- \n"+"Cost \t\t\t 4000 \n"+"Gst \t\t\t 0 \n"+"TotalCost \t\t 4000");

System.out.println("Thank u for Shopping :)");

System.out.println("Do u want to continue shopping??");

boolean b1=sc.nextBoolean();

if(b1==true) {

main(null);

}

else

System.out.println("Thank you for shopping!!!");

System.exit(0);

}

else

System.out.println("Thank You,Visit Again..");

System.exit(0);

}

public static void children() {

Scanner sc=new Scanner(System.in);

System.out.println("Welcome to children clothing section \n"+"---------------------------------- \n"+"1.Froks \n"

+"2.Jeans \n");

key1=sc.nextInt();

System.out.println("\*\*Specifications\*\*");

System.out.println("\*cost=4000\* \t \*Fabric=Cotton Clothing\*");

System.out.println("Do you want to purchase???");

boolean b=sc.nextBoolean();

if(b==true) {

System.out.println("\*\*Cash Receipt\*\* \n"+"----------------- \n"+"Cost \t\t\t 4000 \n"+"Gst \t\t\t 0 \n"+"TotalCost \t\t 4000");

System.out.println("Thank u for Shopping :)");

System.out.println("Do u want to continue shopping??");

boolean b1=sc.nextBoolean();

if(b1==true) {

main(null);

}

else

System.out.println("Thank you for shopping!!!");

System.exit(0);

}

else

System.out.println("Thank You,Visit Again..");

System.exit(0);

}

public static void TV() {

Scanner sc=new Scanner(System.in);

System.out.println("Welcome to TV section \n"+"---------------------------------- \n"+"1.OnePlus 80cm \n"

+"2.Toshiba \n");

key1=sc.nextInt();

System.out.println("\*\*Specifications\*\*");

System.out.println("\*cost=40,000\* \t \*32 inches\* \t \*Smart LED Google TV\*");

System.out.println("Do you want to purchase???");

boolean b=sc.nextBoolean();

if(b==true) {

System.out.println("\*\*Cash Receipt\*\* \n"+"----------------- \n"+"Cost \t\t\t 40,000 \n"+"Gst \t\t\t 100 \n"+"TotalCost \t\t 40,100");

System.out.println("Thank u for Shopping :)");

System.out.println("Do u want to continue shopping??");

boolean b1=sc.nextBoolean();

if(b1==true) {

main(null);

}

else

System.out.println("Thank you for shopping!!!");

System.exit(0);

}

else

System.out.println("Thank You,Visit Again..");

System.exit(0);

}

public static void Laptops() {

Scanner sc=new Scanner(System.in);

System.out.println("Welcome to Laptop section \n"+"---------------------------------- \n"+"1.Lenovo \n"

+"2.HP \n");

key1=sc.nextInt();

System.out.println("\*\*Specifications\*\*");

System.out.println("\*cost=50,000\* \t \*16GB\* \t \*512GB SSD\* \t \*Windows 11\*");

System.out.println("Do you want to purchase???");

boolean b=sc.nextBoolean();

if(b==true) {

System.out.println("\*\*Cash Receipt\*\* \n"+"----------------- \n"+"Cost \t\t\t 50,000 \n"+"Gst \t\t\t 100 \n"+"TotalCost \t\t 50,100");

System.out.println("Thank u for Shopping :)");

System.out.println("Do u want to continue shopping??");

boolean b1=sc.nextBoolean();

if(b1==true) {

main(null);

}

else

System.out.println("Thank you for shopping!!!");

System.exit(0);

}

else

System.out.println("Thank You,Visit Again..");

System.exit(0);

}

public static void Wardrobes() {

Scanner sc=new Scanner(System.in);

System.out.println("Welcome to Wadrobes section \n"+"-------------------------------- \n"+"1.Wooden \n"

+"2.Plastic \n");

key1=sc.nextInt();

System.out.println("\*\*Specifications\*\*");

System.out.println("\*cost=9,000\* \t \*Color:Walnut\* \t \*Style Name:Without Mirror\*");

System.out.println("Do you want to purchase???");

boolean b=sc.nextBoolean();

if(b==true) {

System.out.println("\*\*Cash Receipt\*\* \n"+"----------------- \n"+"Cost \t\t\t 9,000 \n"+"Gst \t\t\t 100 \n"+"TotalCost \t\t 9,100");

System.out.println("Thank u for Shopping :)");

System.out.println("Do u want to continue shopping??");

boolean b1=sc.nextBoolean();

if(b1==true) {

main(null);

}

else

System.out.println("Thank you for shopping!!!");

System.exit(0);

}

else

System.out.println("Thank You,Visit Again..");

System.exit(0);

}

public static void Mattresses() {

Scanner sc=new Scanner(System.in);

System.out.println("Welcome to Mattresses section \n"+"---------------------------------- \n"+"1.SleepyCat \n"

+"2.Duroflex \n");

key1=sc.nextInt();

System.out.println("\*\*Specifications\*\*");

System.out.println("\*cost=20,000\* \t \*Size:Single\* \t \*Style Name:78x72x6\*");

System.out.println("Do you want to purchase???");

boolean b=sc.nextBoolean();

if(b==true) {

System.out.println("\*\*Cash Receipt\*\* \n"+"----------------- \n"+"Cost \t\t\t 20,000 \n"+"Gst \t\t\t 0 \n"+"TotalCost \t\t 20,000");

System.out.println("Thank u for Shopping :)");

System.out.println("Do u want to continue shopping??");

boolean b1=sc.nextBoolean();

if(b1==true) {

main(null);

}

else

System.out.println("Thank you for shopping!!!");

System.exit(0);

}

else

System.out.println("Thank You,Visit Again..");

System.exit(0);

}

public static void Creams() {

Scanner sc=new Scanner(System.in);

System.out.println("Welcome to Creams section \n"+"---------------------------------- \n"+"1.Nivea \n"

+"2.Vaseline \n");

key1=sc.nextInt();

System.out.println("\*\*Specifications\*\*");

System.out.println("\*cost=500\* \t \*Type:Moisturizer");

System.out.println("Do you want to purchase???");

boolean b=sc.nextBoolean();

if(b==true) {

System.out.println("\*\*Cash Receipt\*\* \n"+"----------------- \n"+"Cost \t\t\t 500 \n"+"Gst \t\t\t 0 \n"+"TotalCost \t\t 500");

System.out.println("Thank u for Shopping :)");

System.out.println("Do u want to continue shopping??");

boolean b1=sc.nextBoolean();

if(b1==true) {

main(null);

}

else

System.out.println("Thank you for shopping!!!");

System.exit(0);

}

else

System.out.println("Thank You,Visit Again..");

System.exit(0);

}

public static void Deos() {

Scanner sc=new Scanner(System.in);

System.out.println("Welcome to Deos section \n"+"---------------------------------- \n"+"1.Yardley London \n"

+"2.Park Avenue \n");

key1=sc.nextInt();

System.out.println("\*\*Specifications\*\*");

System.out.println("\*cost=500\* \t \*Type:No Gas\*");

System.out.println("Do you want to purchase???");

boolean b=sc.nextBoolean();

if(b==true) {

System.out.println("\*\*Cash Receipt\*\* \n"+"----------------- \n"+"Cost \t\t\t 500 \n"+"Gst \t\t\t 0 \n"+"TotalCost \t\t 500");

System.out.println("Thank u for Shopping :)");

System.out.println("Do u want to continue shopping??");

boolean b1=sc.nextBoolean();

if(b1==true) {

main(null);

}

else

System.out.println("Thank you for shopping!!!");

System.exit(0);

}

else

System.out.println("Thank You,Visit Again..");

System.exit(0);

}

public static void Cycles() {

Scanner sc=new Scanner(System.in);

System.out.println("Welcome to Cycles section \n"+"---------------------------------- \n"+"1.Geared Cycles \n"

+"2.Electric Cycles \n");

key1=sc.nextInt();

System.out.println("\*\*Specifications\*\*");

System.out.println("\*cost=12,000\* \t \*Company:Hero Sprint Riot 26T MTB\* \t \*Color:Grey\*");

System.out.println("Do you want to purchase???");

boolean b=sc.nextBoolean();

if(b==true) {

System.out.println("\*\*Cash Receipt\*\* \n"+"----------------- \n"+"Cost \t\t\t 12,000 \n"+"Gst \t\t\t 0 \n"+"TotalCost \t\t 12,000");

System.out.println("Thank u for Shopping :)");

System.out.println("Do u want to continue shopping??");

boolean b1=sc.nextBoolean();

if(b1==true) {

main(null);

}

else

System.out.println("Thank you for shopping!!!");

System.exit(0);

}

else

System.out.println("Thank You,Visit Again..");

System.exit(0);

}

public static void Cricket() {

Scanner sc=new Scanner(System.in);

System.out.println("Welcome to Cricket section \n"+"---------------------------------- \n"+"1.Bat \n"

+"2.Ball \n");

key1=sc.nextInt();

System.out.println("\*\*Specifications\*\*");

System.out.println("\*cost=9,000\* \t \*Company:GM Diamond\* \t \*Color:Multi Color\*");

System.out.println("Do you want to purchase???");

boolean b=sc.nextBoolean();

if(b==true) {

System.out.println("\*\*Cash Receipt\*\* \n"+"----------------- \n"+"Cost \t\t\t 9,000 \n"+"Gst \t\t\t 0 \n"+"TotalCost \t\t 9,000");

System.out.println("Thank u for Shopping :)");

System.out.println("Do u want to continue shopping??");

boolean b1=sc.nextBoolean();

if(b1==true) {

main(null);

}

else

System.out.println("Thank you for shopping!!!");

System.exit(0);

}

else

System.out.println("Thank You,Visit Again..");

System.exit(0);

}

/\*\*

\* @param args

\*/

public static void main(String[] args) {

// TODO Auto-generated method stub

Scanner sc=new Scanner(System.in);

System.out.println("\t \t \t \t \t \t \t Welcome to Amazon Shopping \t \t \t \t");

System.out.println("\t \t \t \t \t \t \t --------------------------");

System.out.println("Please select the category you wish to shop...... \n"+"1.Fashion \n"+"2.Electronics \n"+"3.Furniture \n"

+"4.Beauty \n"+"5.Sports \n"+"6.Exit \n"

+ "7.Restart");

int choice=sc.nextInt();

switch(choice) {

case 1:{

System.out.println("\t \t Welcome to Fashion zone");

System.out.println("\t \t -----------------------");

System.out.println("1.Women \n"

+ "2.Men \n"

+ "3.Children \n");

key=sc.nextInt();

switch(key) {

case 1:{

women();

break;

}

case 2:{

men();

break;

}

case 3:{

children();

break;

}

}

}

case 2:{

System.out.println("\t \t Welcome to ELectronics zone");

System.out.println("\t \t -----------------------");

System.out.println("1.TV \n"

+ "2.Laptops \n");

key=sc.nextInt();

switch(key) {

case 1:{

TV();

break;

}

case 2:{

Laptops();

break;

}

}

}

case 3:{

System.out.println("\t \t Welcome to Furniture zone");

System.out.println("\t \t -----------------------");

System.out.println("1.Wardrobes \n"

+ "2.Mattresses \n");

key=sc.nextInt();

switch(key) {

case 1:{

Wardrobes();

break;

}

case 2:{

Mattresses();

break;

}

}

}

case 4:{

System.out.println("\t \t Welcome to Beauty zone");

System.out.println("\t \t -----------------------");

System.out.println("1.Creams \n"

+ "2.Deos \n");

key=sc.nextInt();

switch(key) {

case 1:{

Creams();

break;

}

case 2:{

Deos();

break;

}

}

}

case 5:{

System.out.println("\t \t Welcome to Sports zone");

System.out.println("\t \t -----------------------");

System.out.println("1.Cycling \n"

+ "2.Cricket \n");

key=sc.nextInt();

switch(key) {

case 1:{

Cycles();

break;

}

case 2:{

Cricket();

break;

}

}

}

case 6:{

System.out.println("Thank You");

System.exit(0);

}

case 7:{

main(null);

}

default:

System.out.println("This is not a valid option \n Please try Again.......");

}

main(null);

}

}

**OUTPUT**

CASE-1:

Welcome to Amazon Shopping

--------------------------

Please select the category you wish to shop......

1.Fashion

2.Electronics

3.Furniture

4.Beauty

5.Sports

6.Exit

7.Restart

1

Welcome to Fashion zone

-----------------------

1.Women

2.Men

3.Children

1

Welcome to women clothing section

----------------------------------

1.Kurtas

2.Sarees

1

\*\*Specifications\*\*

\*cost=4000\* \*Fabric=Cotton Clothing\*

Do you want to purchase???

true

\*\*Cash Receipt\*\*

-----------------

Cost 4000

Gst 0

TotalCost 4000

Thank u for Shopping :)

Do u want to continue shopping??

true

Welcome to Amazon Shopping

--------------------------

Please select the category you wish to shop......

1.Fashion

2.Electronics

3.Furniture

4.Beauty

5.Sports

6.Exit

7.Restart

CASE-2:

Welcome to Amazon Shopping

--------------------------

Please select the category you wish to shop......

1.Fashion

2.Electronics

3.Furniture

4.Beauty

5.Sports

6.Exit

7.Restart

1

Welcome to Fashion zone

-----------------------

1.Women

2.Men

3.Children

1

Welcome to women clothing section

----------------------------------

1.Kurtas

2.Sarees

1

\*\*Specifications\*\*

\*cost=4000\* \*Fabric=Cotton Clothing\*

Do you want to purchase???

false

Thank You, Visit Again..

CASE-3:

Welcome to Amazon Shopping

--------------------------

Please select the category you wish to shop......

1.Fashion

2.Electronics

3.Furniture

4.Beauty

5.Sports

6.Exit

7.Restart

1

Welcome to Fashion zone

-----------------------

1.Women

2.Men

3.Children

1

Welcome to women clothing section

----------------------------------

1.Kurtas

2.Sarees

1

\*\*Specifications\*\*

\*cost=4000\* \*Fabric=Cotton Clothing\*

Do you want to purchase???

true

\*\*Cash Receipt\*\*

-----------------

Cost 4000

Gst 0

TotalCost 4000

Thank u for Shopping :)

Do u want to continue shopping??

false

Thank you for shopping!!!