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

```java
/**
 *
 */
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**");
```

```java
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() {
```

```java
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
```

```java
				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
```

```java
                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();
```

```java
                        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) {
```

```java
            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**");
```

```java
            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);
```

```java
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..");
```

```java
                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!!!");
```

```java
                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) {
```

```java
				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");
```

```java
                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*");
```

```java
		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) {
```

```java
// 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;

    }
```

```java
        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();
```

```java
                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");
```

```java
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:{
```

```java
                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!!!
```