Electronic Retail Database

Contents :

Problem Description :

Develop a java program based on E shopping wherein the user can shop any electronic devices. It is a program based on modularity and mostly decision making statements. The user gets to choose among :-
1.Entering his data
2.Shop
3.Exit
The user can shop any electronic gadgets like cameras, phones, tabs, Wifi devices etc.The program also provides discounts for the user to shop as much as he wants. The user can also fill his information and make a free account on the page. He/She can modify or delete details by entering their correct email ID and password.

Software Used :

Blue J

BlueJ is an integrated development environment (IDE) for the Java programming language, developed mainly for educational purposes, but also suitable for small-scale software development. It runs with the help of JDK (Java Development Kit). Java is a programming language and a platform which works on BlueJ.

Java

Java is a general-purpose computer programming language that is concurrent, class-based, object-oriented, and specifically designed to have as few implementation dependencies as possible. It is intended to let application developers "write once, run anywhere" (WORA) meaning that compiled Java code can run on all platforms that support Java without the need for recompilation. Java applications are typically compiled to bytecode that can run on any Java virtual machine (JVM) regardless of computer architecture.

Documentation :

Variable Listing

S.no	Name	Datatype	Use
1	as	int	For accepting choice from user(switch)
2	cost	int	To store the total cost
3	number	int	To store number of gadgets bought
4	ans	int	For accepting choice from user
5	dis	double	To store discount
6	email	String	To store email
7	password	String	To store password
8	x	int	For accepting choice from user(switch)
9	b	int	For accepting choice from user(switch)
10	f	int	For accepting choice from user(switch)
11	i	int	Counter variable
12	name	String	To store name
13	gender	String	To store gender
14	date	int	To store date
15	month	int	To store month
16	year	int	To store year
17	r	int	For accepting choice from user(switch)

18	e	String	To store new email
19	p	String	To store new password
20	month1	int	To store correct month
21	date1	int	To store correct date
22	password1	String	To store correct password
23	a	int	For accepting choice from user
24	dates	String	To store date of birth
25	emailm	String	To store other email

Function Listing

S.no	Function name	Return Type	Use
1	add	void	To add customer details
2	modify	void	To modify customer details
3	delete	void	To delete customer details
4	line	void	To add a line
5	camera	int	To call other functions
6	android	int	To store costs of various android phones
7	cameras	int	To store costs of various cameras
8	cases	int	To store costs of various cases
9	computers	int	To call other functions
10	desktop	int	To store costs of various monitors
11	laptop	int	To store costs of various laptops
12	main	void	To display Home Screen
13	mobile	int	To call other functions
14	network	int	To store costs of various networks
15	pendrive	int	To store costs of various pendrives
16	printer	int	To store costs of various printers

17	smart	int	To store costs of various smartphones
18	software	int	To store costs of various softwares
19	speaker	int	To store costs of various speakers
20	tab	int	To store costs of various tab
21	tv	int	To store costs of various TVs

Errors Encountered :

1- ';' expected

2- Illegal start of expression

3- Can't find symbol – variable next

4- Unclosed String literal

5-')' expected

6- Incompatible types

7- Missing return statement

8- Java.util.InputMismatch Exception:null

9- Invalid method declaration; return type required

10-class, interface, or enum expected .

Sample Output

BlueJ: Terminal Window - sriya

Options

Current Date: Thu 2016.10.13 at 05:20:04 PM IST
****
                    WELCOME TO FABULO SHOPPING(SHOP BY BRANDS)
SHOP AS MUCH AS YOU CAN CAUSE FABULO PRESENTS YOU WITH THE BIGGEST SALE OF THE YEAR!!
YOU CAN EXIT EITHER BY COMING BACK TO HOME SCREEN OR BY ENTERING WRONG CHOICE
****
Please choose one of the options given below :-
 1)Customer Details
 2)Shop
 3)Exit

BlueJ: Terminal Window - sriya

Options

Current Date: Thu 2016.10.13 at 05:29:34 PM IST
 1)Add
 2)Modify
 3)Delete

```
CREATE YOUR OWN ACCOUNT FOR FREE
Enter name
sriya
Enter your gender (f/m)
f
Date Of Birth
Enter the date in numbers
12
Enter the month in numbers
2
Enter the year in numbers
2002
Enter email
sriyascarlet@gmail.com
Enter Password
**********
Re-enter the Password
**********
Enter
 1 to Confirm
 2 to Cancel
1
Data is added
Do you want to surf through other options?If yes enter 1
```

```
Current Date: Thu 2016.10.13 at 05:49:03 PM IST
Select :-
 1}Computers & Accessories
 2}Cameras,Audio & Video
 3}Mobiles & Tablets
2
```

```
Current Date: Thu 2016.10.13 at 05:49:35 PM IST
Gadgets available are:-
 1 Cameras
 2 Telivisions
 3 Speakers & Radio
Enter your choice
1
Cameras available are:-
 1 Canon
 2 Nikon
 3 Sony
2
 1.Digital SLR Camera of Rs 30000
 2.Point & Shoot cameras of Rs 12000
 3.Mirrorless cameras of Rs 5000
3
Enter the number of cameras you want to purchase
2
Do you want to surf through other options ?If yes enter 1
2
```

```
Current Date: Thu 2016.10.13 at 05:51:18 PM IST
Gadgets available are:-
 1 Smartphones
 2 Android phones
 3 Cases,Covers & Screen protecters
 4 Tablets
Enter your choice
1
 Android phones  available are:-
 1 Apple
 2 Samsung
 3 Micromax
1
 1.Apple iPhone 7 of Rs 70000
 2.Apple iPhone 5s (Silver, 16GB) of Rs 20000
 3.Apple iPhone 6s (Space Grey, 16GB) of Rs 40000
1
Enter the number of phones you want to purchase
1
************************************************************************************************
Do you want to surf through other options ?If yes enter 1
```

```
BlueJ: Terminal Window - sriya
Options

Current Date: Thu 2016.10.13 at 05:42:19 PM IST
Enter your email
*********
Enter your email's password
*********
Wrong data has been entered
Do you want to surf through other options?If yes enter 1
|
```

```
BlueJ: Terminal Window - sriya
Options

Current Date: Fri 2016.10.14 at 06:29:30 PM IST
Total number of Gadgets purchased:-  4
Number of Gadgets purchased    |    discount
   2                           |      15%
   3-4                         |      20%
   5                           |      35%
   5+                          |      45%
You get 20% off for buying4Gadgets
So cost decreased= 223210.0
                  ---------------------------------
                  |******************************|
                  |*----- THE TOTAL COST:- ------*|
                            RS1116050
                  |*- TOTAL COST AFTER DISCOUNT:-*|
                          RS892840.0
                  |*----------------------------*|
                  |*----------------------------*|
                  |******************************|
                  ---------------------------------
                  THANK YOU VERY MUCH FOR SHOPPING!!!
*****************************************************************************************************
```