

**GIT Department of Computer Engineering**

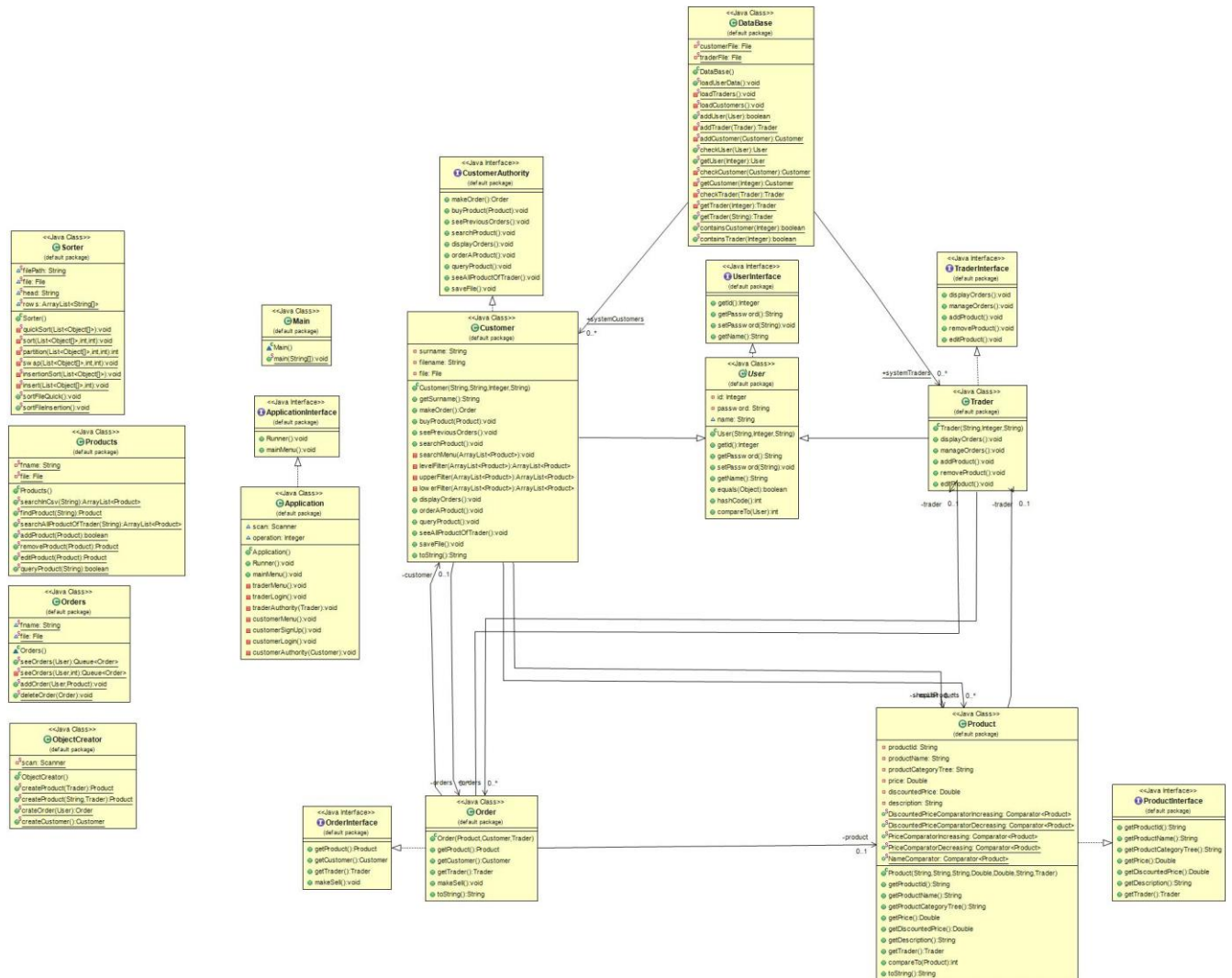
**CSE 222/505 - Spring 2021**

**Homework 6 Report**

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# 1 - Class Diagram



## 2 - Problem Solution Approach

Our main duty is making an e-shopping application for trader and customers.

But our system's data must keep in file in hard disk not in the memory. And to do that when we effect the file reding line by line after each read write other and deleting orginal file and rename recreated file.

### **Trader Problems :**

-Trader can manage the order to accept or cancel from file. If accept order deleting from orders.csv and sortedProduct.csv files and product adding to customer shop list.If just cancel the orders just deleting orders.csv file.

-Trader can add a product in sortedProduct.csv but there are several conditions to check product id must be unqiue and trader must give enough data to add product list.Inserting the line without breaking the sorted order.

-Trader can remove a product but product id and trader must be macth. When the product line is found dont write the new file .The trader who wants to remove a product trader name must be match so that a trader cannot effect others prodcut.

-Trader can edit a product.After matching the product id and trader name Application want to new information about the program and write as line insted of reading.

### **Customer Problems:**

- Seen orders which past in the orders.csv

- Order a product in the shodlist and add end of the order.csv as line.

- Searching a product in the shodlist using keyword if the product name contains keyword in the name or description returnin as all of these product in the resultProduct and in the search we got some functionalty sorting according to the name, price , discounted price and filtering the category tree and choose one of them adding as order to order.csv file.

- Seeing and all product of a trader in the productList trader name is match.

- Query a product in the produt list if the name are match is return true other wise returning false

### 3 – Test Cases

#### **Trader:**

1. See current orders
2. Manage orders
3. Add product
4. Remove product
5. Edit product

#### **Customer:**

1. See orders
2. Order a product
3. Search a product
  - a)Sort by price
  - b)Sort by discount price
  - c)Sort by name
  - d)Filter upper bound price
  - e)Filter lower bound price
  - f)Filter upper and lower bound price
  - g)Filter according to the group
  - h)Choose product to order
4. See all product Of a Trader
- 5.Query a product

## 4 – Running Command And Results

### Trader Class:

#### Login:

```
1-> Trader Menu
2-> Customer Menu
0-> Close The Program
Enter the operation :
1
1->Login The System
0-Move Main Menu>
Enter the operation :
1
Enter the id:
50000351
Enter the password:
asdfgh
=====
Welcome BigCompany store
1->See current orders
2->Manage Orders
3->Add Product
4->Remove Product
5->Edit Product
0->Log Out
Enter the operation :
█
```

```
1-> Trader Menu
2-> Customer Menu
0-> Close The Program
Enter the operation :
1
1->Login The System
0-Move Main Menu>
Enter the operation :
1
Enter the id:
796413
Enter the password:
vlkjfdslkj
Could not find Trader user
```

## Seeing And Managing Order:

```
orders = Orders.seeOrders(this);           //Returning orders in a queue<order>
for(Order o : orders){
    System.out.println(o);
    System.out.println("1-> Accept Order");
    System.out.println("2-> Cancel Order");
    System.out.println("3-> Pass Order");
    operator = Integer.parseInt(scan.nextLine());

    switch(operator){
        case 1: o.makeSell();                //Adding Customer Shop List
                Products.removeProduct(o.getProduct()); //Removing from sortedProducts.csv
                Orders.deleteOrder(o);                //Deleting order from orders.csv
                break;
        case 2: Orders.deleteOrder(o);        //Deleting order from orders.csv
                break;
        case 3: System.out.println("Passed this order for now"); //just passing for now
                break;
        default:
            System.out.println("Undefined operation");
    }
}
System.out.println("End of orders");
```

## Before Manage Order:

```
customerid,traderid,productid
10000003,50000351,ACBEAGHHHWJAHA9C
10000003,50000351,ACBEA449ZTQWXPV
10000003,50000351,ACBEA449GB89ADNG
10000003,50000351,ACBEA4496CMCQZCU
10000003,50000351,ACBEAGHHHWJAHA9C
10000003,50000351,ACBECFGT6YXGSNU4
10000002,50000292,TOPEHFGN5E8MNFNC
10000002,50000292,TOPEHFGNNB2Z5MG4
10000002,50000292,TOPEHFGNNEE2ZGBU
10000003,50000351,ACBEAGHHHWJAHA9C
10000003,50000351,ACBECFGT6YXGSNU4
```

```
=====
Welcome BigCompany store
1->See current orders
2->Manage Orders
3->Add Product
4->Remove Product
5->Edit Product
0->Log Out
Enter the operation :
1
Cankız ordered Oye Top Girl's Combo from BigCompany
Cankız ordered Oye Top With Skirts Girl's Combo from BigCompany
Cankız ordered Oye Top With Skirts Girl's Combo from BigCompany
Cankız ordered lil'posh Top With Skirts Girl's Combo from BigCompany
Cankız ordered Oye Top Girl's Combo from BigCompany
Cankız ordered Navaksha Necktie Men's Combo from BigCompany
Cankız ordered Oye Top Girl's Combo from BigCompany
Cankız ordered Navaksha Necktie Men's Combo from BigCompany
=====
```

## Managing Orders:

```
Welcome BigCompany store
1->See current orders
2->Manage Orders
3->Add Product
4->Remove Product
5->Edit Product
0->Log Out
Enter the operation :
2
Cankız ordered Oye Top Girl's Combo from BigCompany
1-> Accept Order
2-> Cancel Order
3-> Pass Order
1
Cankız ordered Oye Top With Skirts Girl's Combo from BigCompany
1-> Accept Order
2-> Cancel Order
3-> Pass Order
2
Cankız ordered Oye Top With Skirts Girl's Combo from BigCompany
1-> Accept Order
2-> Cancel Order
3-> Pass Order
2
Cankız ordered lil'posh Top With Skirts Girl's Combo from BigCompany
1-> Accept Order
2-> Cancel Order
3-> Pass Order
2
Cankız ordered Oye Top Girl's Combo from BigCompany
1-> Accept Order
2-> Cancel Order
3-> Pass Order
1
Cankız ordered Navaksha Necktie Men's Combo from BigCompany
1-> Accept Order
2-> Cancel Order
3-> Pass Order
3
Passed this order for now
Cankız ordered Oye Top Girl's Combo from BigCompany
1-> Accept Order
2-> Cancel Order
3-> Pass Order
1
Cankız ordered Navaksha Necktie Men's Combo from BigCompany
1-> Accept Order
2-> Cancel Order
3-> Pass Order
1
End of orders
```

## After manage the orders:

```
customerid,traderid,productid
10000002,50000292,TOPEHFGN5E8MNFNC
10000002,50000292,TOPEHFGNNB2Z5MG4
10000002,50000292,TOPEHFGNNEE2ZGBU
```

## Managing Products:

### Adding Products:

```
Product product = ObjectCreator.createProduct(this); //Creating object which want to add
boolean isAddedFile = Products.addProduct(product); //Inserting the true position if it is a valid product
if(isAddedFile == false){
    System.out.println("Cannot happened adding check product id or valid Trader");
    return;
}
System.out.println(product.getProductname() + " has added");
```

```
WTDEB3YVBCQVJQ;Amscan 110215 Plastic Weight Sled;["Sports & Fitness >> Track & Field >> Amsc
YBKEHB3YAPPZEPHK;Gravolite Meditation Yoga Blocks;["Sports & Fitness >> Fitness Accessories >> Accessor
YBKEHB3YR6RHMCFB;Gravolite Meditation Yoga Blocks;["Sports & Fitness >> Fitness Accessories >> Accessor
YBKEHB3YVBCQVJQ;Gravolite Meditation Yoga Blocks;["Sports & Fitness >> Fitness Accessories >> Accessor
YSPEGGA5JKZFHP97;Arcley ARC INSPIRE CROP Nylon, Polyester Yoga Strap;["Sports & Fitness >> Fitness Acce
```

```
=====
Welcome BigCompany store
1->See current orders
2->Manage Orders
3->Add Product
4->Remove Product
5->Edit Product
0->Log Out
Enter the operation :
3
Enter the unique Id :
YD
Enter the Product Name :
added
Enter the Product Category Tree :
by >> from
Enter the price :
555
Enter the discount price
32
Enter the description :
after adding
added has added
=====
```

```
WTDEB3YVBCQVJQ;Amscan 110215 Plastic Weight Sled;["Sports & Fitness >> Track & Field >> Amsc
YBKEHB3YAPPZEPHK;Gravolite Meditation Yoga Blocks;["Sports & Fitness >> Fitness Accessories >>
YBKEHB3YR6RHMCFB;Gravolite Meditation Yoga Blocks;["Sports & Fitness >> Fitness Accessories >>
YBKEHB3YVBCQVJQ;Gravolite Meditation Yoga Blocks;["Sports & Fitness >> Fitness Accessories >>
YD;added;by >> from ;555.0;32.0;after adding;BigCompany
YSPEGGA5JKZFHP97;Arcley ARC INSPIRE CROP Nylon, Polyester Yoga Strap;["Sports & Fitness >> Fit
```



## Remove Products:

```
System.out.println("Enter the id to remove");
String pId = scan.nextLine();

Product removeProduct = Products.removeProduct(new Product(pId,null ,null ,null , null, null, this)); //If id and store is match in a product remove it and returning
if(removeProduct == null)
    System.out.println("Product has not found to remove");
else
    System.out.println(removeProduct + "\nHas removed");
```

```
WTDEBGNHGBE55MR;Amscan 110228A Plastic Weight Sled;[""Sports & Fitness >> Track & Field >> Amsc
WTDEBGNHGBE55MR;Amscan 110228A Plastic Weight Sled;[""Sports & Fitness >> Track & Field >> Amsc
YBKEHB3YAPPZEPHK;Gravolite Meditation Yoga Blocks;[""Sports & Fitness >> Fitness Accessories >>
YBKEHB3YR6RHMCFB;Gravolite Meditation Yoga Blocks;[""Sports & Fitness >> Fitness Accessories >>
YBKEHB3YVBCQVFJQ;Gravolite Meditation Yoga Blocks;[""Sports & Fitness >> Fitness Accessories >>
YD;added;by >> from ;555.0;32.0;after adding;BigCompany
YSPEGGA5JKZFHP97;Arcley ARC INSPIRE CROP Nylon, Polyester Yoga Strap;[""Sports & Fitness >> Fit
```

```
=====
Welcome BigCompany store
1->See current orders
2->Manage Orders
3->Add Product
4->Remove Product
5->Edit Product
0->Log Out
Enter the operation :
4
Enter the id to remove
YD
added:
after adding
Price : 555.0
Discounted Price :32.0

Has removed
=====
```

```
WTDEBGNHGBE55MR;Amscan 110228A Plastic Weight Sled;[""Sports & Fitness >> Track & Field >> Amsc
WTDEBGNHGBE55MR;Amscan 110228A Plastic Weight Sled;[""Sports & Fitness >> Track & Field >> Amsc
YBKEHB3YAPPZEPHK;Gravolite Meditation Yoga Blocks;[""Sports & Fitness >> Fitness Accessories >>
YBKEHB3YR6RHMCFB;Gravolite Meditation Yoga Blocks;[""Sports & Fitness >> Fitness Accessories >>
YBKEHB3YVBCQVFJQ;Gravolite Meditation Yoga Blocks;[""Sports & Fitness >> Fitness Accessories >>
YSPEGGA5JKZFHP97;Arcley ARC INSPIRE CROP Nylon, Polyester Yoga Strap;[""Sports & Fitness >> Fit
```

## Edit Product:

```
System.out.println("Enter the id to edit product");
String pId = scan.nextLine();

Product editedProduct = Products.editProduct(new Product(pId, null, null, null, null, null, this)); //If id and store is match in a product editing it and returning old

if(editedProduct == null)
    System.out.println("Product has not found to edit");
else
    System.out.println(editedProduct + "\nHas edited");
```

```
WTDEdGHHBXMZB2HG;Amscan 110227 Plastic Weight Sled;["Sports & Fitness >> Track & Field >> Amscan Track & Field"];199;199;Amscan 110227 Plastic Weight Sled (4 kg);BigCompany
WTDEdGHHFSDQXYGD;Amscan 117801.1 Plastic Weight Sled;["Sports & Fitness >> Track & Field >> Amscan Track & Field"];199;199;Amscan 117801.1 Plastic Weight Sled (3 kg);BigComp
WTDEdGHHGDEPSSRR;Amscan 110228A Plastic Weight Sled;["Sports & Fitness >> Track & Field >> Amscan Track & Field"];199;199;Amscan 110228A Plastic Weight Sled (4 kg);BigCompan
WTDEdGJYYAHGZXKE;Amscan 110215 Plastic Weight Sled;["Sports & Fitness >> Track & Field >> Amscan Track & Field"];499;450;Amscan 110215 Plastic Weight Sled (4 kg);BigCompany
YBKEHB3YAPPZEPHK;Gravolite Meditation Yoga Blocks;["Sports & Fitness >> Fitness Accessories >> Accessories >> Yoga Blocks >> Gravolite Yoga Blocks >> Gravolite Meditation Yoga
```

```
2->Manage Orders
3->Add Product
4->Remove Product
5->Edit Product
0->Log Out
Enter the operation :
5
Enter the id to edit product
WTDEdGHHGDEPSSRR
Enter the new Product Name :
edited
Enter the new Product Category Tree :
from terminal
Enter the new price :
654123
Enter the new discount price
165651
Enter the new description :
edited from terminal by big company
Amscan 110228A Plastic Weight Sled:
Amscan 110228A Plastic Weight Sled (4 kg)
Price : 199.0
Discounted Price :199.0

Has edited
```

```
WTCEGGIZEJQ2YRQG;Mount Nano MN 110 250 ml Wheel Tire Cleaner;["Automotive >> Accessories & Spare parts >> Car & Bike Care >>
WTDEdGHHBXMZB2HG;Amscan 110227 Plastic Weight Sled;["Sports & Fitness >> Track & Field >> Amscan Track & Field"];199;199;Amscan 110227 Plastic Weight Sled (4 kg);BigCompany
WTDEdGHHFSDQXYGD;Amscan 117801.1 Plastic Weight Sled;["Sports & Fitness >> Track & Field >> Amscan Track & Field"];199;199;Amscan 117801.1 Plastic Weight Sled (3 kg);BigComp
WTDEdGHHGDEPSSRR;edited;from terminal;654123.0;165651.0;edited from terminal by big company;BigCompany
WTDEdGJYYAHGZXKE;Amscan 110215 Plastic Weight Sled;["Sports & Fitness >> Track & Field >> Amscan Track & Field"];499;450;Amscan 110215 Plastic Weight Sled (4 kg);BigCompany
YBKEHB3YAPPZEPHK;Gravolite Meditation Yoga Blocks;["Sports & Fitness >> Fitness Accessories >> Accessories >> Yoga Blocks >> Gravolite Yoga Blocks >> Gravolite Meditation Yoga
YBKEHB3YR6RHMCFB;Gravolite Meditation Yoga Blocks;["Sports & Fitness >> Fitness Accessories >> Accessories >> Yoga Blocks >> Gravolite Yoga Blocks >> Gravolite Meditation Yoga
```

## Negative Results:

```
if(rowProduct[0].equals(product.getProductid()) && rowProduct[6].equals(product.getTrader().getName())){
```

```
Welcome BigCompany store
1->See current orders
2->Manage Orders
3->Add Product
4->Remove Product
5->Edit Product
0->Log Out
Enter the operation :
5
Enter the id to edit product
lkasdlkasdjklasd
Product has not found to edit
```

```
=====
Welcome BigCompany store
1->See current orders
2->Manage Orders
3->Add Product
4->Remove Product
5->Edit Product
0->Log Out
Enter the operation :
4
Enter the id to remove
a;sld;asda;sdkasd
Product has not found to remove
=====
```

```
=====
Welcome BigCompany store
1->See current orders
2->Manage Orders
3->Add Product
4->Remove Product
5->Edit Product
0->Log Out
Enter the operation :
5
Enter the id to edit product
YBKEHB3YVBCQVFJQ
Product has not found to edit
=====
```

```
=====
Welcome BigCompany store
1->See current orders
2->Manage Orders
3->Add Product
4->Remove Product
5->Edit Product
0->Log Out
Enter the operation :
4
Enter the id to remove
YBKEHB3YVBCQVFJQ
Product has not found to remove
=====
```

## Customer Class:

Sign Up:

```
customers.csv
1 id,password,name,surname
2 10000001,asdfgh,Ogün,Bölge
3 10000002,asdfgh,Onay,Buğdaypınarı
4 10000003,asdfgh,Cankız,Bulgan
5 10000004,asdfgh,Arzucan,Bulgur
6 10000005,asdfgh,Asiye,Burabak
7 10000006,asdfgh,Yasin,Burak
8 10000007,asdfgh,Yaprak,Bural
9 10000008,asdfgh,Aledam,Buyuran
10 10000009,asdfgh,Can,Bülbül
11 10000010,asdfgh,Bilal,Bülend
12 10000011,asdfgh,Hasan,Huseyin
13
```

```
1-> Trader Menu
2-> Customer Menu
0-> Close The Program
Enter the operation :
2
1->Sign Up
2->Log in
0-Move Main Menu
Enter the operation :
1
Enter the name:
deneme
Enter the surname:
hesabi
Enter the id:
00000000
Enter the password
000000
Customer saved the data base
```

```
customers.csv
1 id,password,name,surname
2 10000001,asdfgh,Ogün,Bölge
3 10000002,asdfgh,Onay,Buğdaypınarı
4 10000003,asdfgh,Cankız,Bulgan
5 10000004,asdfgh,Arzucan,Bulgur
6 10000005,asdfgh,Asiye,Burabak
7 10000006,asdfgh,Yasin,Burak
8 10000007,asdfgh,Yaprak,Bural
9 10000008,asdfgh,Aledam,Buyuran
10 10000009,asdfgh,Can,Bülbül
11 10000010,asdfgh,Bilal,Bülend
12 10000011,asdfgh,Hasan,Huseyin
13 0,000000,deneme,hesabi
14
```

## Login:

```
1->Sign Up
2->Log in
0-Move Main Menu
Enter the operation :
2
Enter the id:
10000003
Enter the password:
asdfgh
=====
Welcome Cankız Bulgan
1->See orders
2->Order a product
3->Search product
4->See all product of a Trader
5->Query a product
0->Log Out
Enter the operation :
```

```
1->Sign Up
2->Log in
0-Move Main Menu
Enter the operation :
2
Enter the id:
55555555
Enter the password:
555555
Could not find Customer user
```

## Orders:

See Orders:

(customerId = 10000003)

```
1->Sign Up
2->Log in
0-Move Main Menu
Enter the operation :
2
Enter the id:
10000003
Enter the password:
asdfgh
=====
Welcome Cankız Bulgan
1->See orders
2->Order a product
3->Search product
4->See all product of a Trader
5->Query a product
0->Log Out
Enter the operation :
1
Cankız ordered Oye Top Girl's Combo from BigCompany
Cankız ordered Oye Top With Skirts Girl's Combo from BigCompany
Cankız ordered Oye Top With Skirts Girl's Combo from BigCompany
Cankız ordered Ill'posh Top With Skirts Girl's Combo from BigCompany
Cankız ordered Oye Top Girl's Combo from BigCompany
Cankız ordered Navaksha Necktie Men's Combo from BigCompany
Cankız ordered Oye Top Girl's Combo from BigCompany
Cankız ordered Navaksha Necktie Men's Combo from BigCompany
=====
```

```
orders.csv
1  customerid,traderid,productid
2  10000003,50000351,ACBEAGHHHJAJA9C
3  10000003,50000351,ACBEA449ZTQWXPV
4  🚫10000003,50000351,ACBEA449GB89ADNG
5  10000003,50000351,ACBEA4496CMCQZCU
6  10000003,50000351,ACBEAGHHHJAJA9C
7  10000003,50000351,ACBECFGT6YXGSNU4
8  10000002,50000292,TOPEHFGN5E8MNFNC
9  10000002,50000292,TOPEHFGNNB2Z5MG4
10 10000002,50000292,TOPEHFGNNEE2ZGBU
11 10000003,50000351,ACBEAGHHHJAJA9C
12 10000003,50000351,ACBECFGT6YXGSNU4
13
```

Add Order:

```
orders.csv
1  customerid,traderid,productid
2  10000003,50000351,ACBEAGHHHJAJHA9C
3  10000003,50000351,ACBEA449ZTQWXPV
4  10000003,50000351,ACBEA449GB89ADNG
5  10000003,50000351,ACBEA4496CMCQZCU
6  10000003,50000351,ACBEAGHHHJAJHA9C
7  10000003,50000351,ACBECFGT6YXGSNU4
8  10000002,50000292,TOPEHFGN5E8MNFNC
9  10000002,50000292,TOPEHFGNNB2Z5MG4
10 10000002,50000292,TOPEHFGNNEE2ZGBU
11 10000003,50000351,ACBEAGHHHJAJHA9C
12 10000003,50000351,ACBECFGT6YXGSNU4
13
```

```
=====
Welcome Cankız Bulgan
1->See orders
2->Order a product
3->Search product
4->See all product of a Trader
5->Query a product
0->Log Out
Enter the operation :
2
Enter the product id to order
ACCE7XGJZWRHVHPH
```

```
orders.csv
1  customerid,traderid,productid
2  10000003,50000351,ACBEAGHHHJAJHA9C
3  10000003,50000351,ACBEA449ZTQWXPV
4  10000003,50000351,ACBEA449GB89ADNG
5  10000003,50000351,ACBEA4496CMCQZCU
6  10000003,50000351,ACBEAGHHHJAJHA9C
7  10000003,50000351,ACBECFGT6YXGSNU4
8  10000002,50000292,TOPEHFGN5E8MNFNC
9  10000002,50000292,TOPEHFGNNB2Z5MG4
10 10000002,50000292,TOPEHFGNNEE2ZGBU
11 10000003,50000351,ACBEAGHHHJAJHA9C
12 10000003,50000351,ACBECFGT6YXGSNU4
13 10000003,50000999,ACCE7XGJZWRHVHPH
14
```

## Search:

Enter the operation :

3

Enter the name of product  
Bike

4 -> Toyhouse Radio Remote Control 1:14 Range Rover Evoque RC Scale Model Car:  
Buy Toyhouse Radio Remote Control 1:14 Range Rover Evoque RC Scale Model Car Radio Remote Control 1:14 g. Cash On Delivery! Buy Cars & Bikes toys online in India  
Price : 3899.0  
Discounted Price :2014.0

5 -> Speedway Twin Tone 2 Pipe Bike Air Pressure -Royal Enfield Electra Twin Tone 2 Spark 200 dB Vehicle  
Buy Speedway Twin Tone 2 Pipe Bike Air Pressure -Royal Enfield Electra Twin Tone 2 Spark 200 dB Vehicle  
dle Horn at best prices with FREE shipping & cash on delivery. Only Genuine Products. 30 Day Replacement  
Price : 2500.0  
Discounted Price :1048.0

6 -> Speedway Car / Bike Loud Hooter Dog Horn-Hyundai Xcent 110 dB Vehicle Horn:  
Speedway Car / Bike Loud Hooter Dog Horn-Hyundai Xcent 110 dB Vehicle Horn  
Price : 900.0  
Discounted Price :778.0

7 -> Speedway Bike Loud Hooter Dog -Hero Hunk 200 dB Vehicle Horn:  
Buy Speedway Bike Loud Hooter Dog -Hero Hunk 200 dB Vehicle Horn for Rs.778 online. Speedway Bike Loud  
Day Replacement Guarantee.  
Price : 900.0  
Discounted Price :778.0

8 -> Speedway 77599 Handlebar:  
Speedway 77599 Handlebar (Silver) Price: Rs. 314 Give your vehicle a new style statement with Speedway  
the vehicle Features Easy to install and durable Direct fit to the handle mirror screw Attractive unique  
be used at the same time till this product is in use Package Contents : 1 Pair of Speedway Decorative  
le Model Name Platina 100 DTS-i Model Number 77599 Sweep Back Sweep Shade Silver Vehicle Brand Bajaj Ma  
Price : 500.0  
Discounted Price :314.0

9 -> Speedway 77595 Handlebar:

69 -> OEM 170774 Bike Side Stand:  
Specifications of OEM 170774 Bike Side Stand General Brand OEM Vehicle Model Name Splendor Model Number 170774 Vehicle  
Side Stand  
Price : 1700.0  
Discounted Price :859.0

70 -> OEM 170760 Bike Side Stand:  
Specifications of OEM 170760 Bike Side Stand General Brand OEM Vehicle Model Name CBZ Model Number 170760 Vehicle Brand  
Stand  
Price : 1700.0  
Discounted Price :854.0

71 -> Nikko VaporizR:  
Buy Nikko VaporizR VaporizR from Flipkart.com. Only Genuine Products. 30 Day Replacement Guarantee. Free Shipping. Cash  
Price : 4995.0  
Discounted Price :4995.0

72 -> Mera Toy Shop Audi Q7 White:  
Buy Mera Toy Shop Audi Q7 White Audi Q7 White from Flipkart.com. Only Genuine Products. 30 Day Replacement Guarantee.  
emote Control . Buy Cars & Bikes toys online in India  
Price : 2399.0  
Discounted Price :2399.0

73 -> Maisto Rock Crawler 3XL:  
Buy Maisto Rock Crawler 3XL Rock Crawler 3XL from Flipkart.com. Only Genuine Products. 30 Day Replacement Guarantee. F  
Price : 4990.0  
Discounted Price :4990.0

74 -> Leobo LED Headlight For Suzuki Sling:  
Key Features of Leobo LED Headlight For Suzuki Sling 6000K 4800 LM Best Light for Bike Good heat dissipation,Leobo LED  
a Red Copper thermal conduction tube inside, can transfer more heat, Red Copper heat dissipation belt to get heat diss  
w beam. High Intensity COB LED,DC12V-24V for most Motorcycle. 6000K xenon white and 4200LM super bright. Life span: +3

118 -> Auto Power Gold Butyl Auto Tube 3 Wheeler For E-Bike:  
Specifications of Auto Power Gold Butyl Auto Tube 3 Wheeler For E-Bike:  
Price : 255.0  
Discounted Price :255.0

119 -> Aeoss Bike Phone Support Mobile holder:  
Buy Aeoss Bike Phone Support Mobile holder for Rs.324 Online. Only  
Price : 499.0  
Discounted Price :324.0

120 -> AdroitZ PREMIUM Orange & Black Bike Body Cover For Honda Av  
Key Features of AdroitZ PREMIUM Orange & Black Bike Body Cover For  
r Cover (Black, Orange) Price: Rs. 249 Description:- Bike covers a  
e harsh weather conditions. A must have product for a real bike lov  
ely lightweight and durable Tie-strap mechanism to hold cover in p  
ications of AdroitZ PREMIUM Orange & Black Bike Body Cover For Hon  
Body Cover For Honda Aviator Shade Black, Orange Vehicle Brand Ho  
er  
Price : 699.0  
Discounted Price :211.0

121 -> AdroitZ PREMIUM Orange & Black Bike Body Cover For Hero Spl  
Key Features of AdroitZ PREMIUM Orange & Black Bike Body Cover For  
r Pro Classic Two Wheeler Cover (Black, Orange) Price: Rs. 249 Des  
le protecting it from the harsh weather conditions. A must have pro  
body of the bike Extremely lightweight and durable Tie-strap mech  
Bike Body Cover .,Specifications of AdroitZ PREMIUM Orange & Black  
l Number PREMIUM Orange & Black Bike Body Cover For Hero Splender  
olor Black, Orange In the Box 1 Two Wheeler Cover  
Price : 699.0  
Discounted Price :211.0

122 -> AdroitZ PREMIUM Orange & Black Bike Body Cover For Hero Kar

## Price Sort:

```
1-> Sort by Price
2-> Sort by Discount Price
3-> Sort by Name
4-> Filter upper bound price
5-> Filter lower bound price
6-> Filter upper and lower bound price
7-> Filter according to the group(low and up)
8-> Make order for a product
0-> Customer Menu
1
0 -> HugMe.fashion Full Sleeve Solid Men's Jacket
Key Features of HugMe.fashion Full Sleeve Solid Men's Jacket
Pattern Solid Ideal For Men's Additional Details Style Code Yellow01
Price : 19830.0
Discounted Price :5949.0

1 -> HugMe.fashion Full Sleeve Solid Men's Jacket
Key Features of HugMe.fashion Full Sleeve Solid Men's Jacket
1 Sleeve Fabric Leather General Details Pattern Solid Ideal For Men's
Price : 19830.0
Discounted Price :5949.0

2 -> KAVACi Full Sleeve Solid Men's Jacket:
Key Features of KAVACi Full Sleeve Solid Men's Jacket
leeve Full Sleeve Closure velcro Hooded No Reversible No Fabric KA
t Additional Details Style Code Yellow01
Price : 8499.0
Discounted Price :8499.0

3 -> KAVACi Full Sleeve Solid Men's Jacket:
Specifications of KAVACi Full Sleeve Solid Men's Jacket Jacket Det
/ yellow Cuff Normal Cuff Pockets 7 General Details Pattern Solid
Price : 7999.0
Discounted Price :7999.0

4 -> Gifts & Arts Remote Control Jeep:
Buy Gifts & Arts Remote Control Jeep Remote Control
Price : 6000.0
Discounted Price :4499.0

5 -> Speedwav 138246 LED Headlight For Universal
Specifications of Speedwav 138246 LED Headlight For Universal
138246 Vehicle Brand Universal For Bike Type Headlight
ption 35 W Illumination Features Light Color White
Price : 5400.0
```

## Discount Sort:

```
1-> Sort by Price
2-> Sort by Discount Price
3-> Sort by Name
4-> Filter upper bound price
5-> Filter lower bound price
6-> Filter upper and lower bound price
7-> Filter according to the group(low and up)
8-> Make order for a product
0-> Customer Menu
2
0 -> KAVACi Full Sleeve Solid Men's Jacket:
Key Features of KAVACi Full Sleeve Solid Men's Jacket Shoulder, el
leeve Full Sleeve Closure velcro Hooded No Reversible No Fabric KA
t Additional Details Style Code Yellow01
Price : 8499.0
Discounted Price :8499.0

1 -> KAVACi Full Sleeve Solid Men's Jacket:
Specifications of KAVACi Full Sleeve Solid Men's Jacket Jacket Det
/ yellow Cuff Normal Cuff Pockets 7 General Details Pattern Solid
Price : 7999.0
Discounted Price :7999.0

2 -> HugMe.fashion Full Sleeve Solid Men's Jacket:
Key Features of HugMe.fashion Full Sleeve Solid Men's Jacket Genui
Pattern Solid Ideal For Men's Additional Details Style Code JK04_Be
Price : 19830.0
Discounted Price :5949.0

3 -> HugMe.fashion Full Sleeve Solid Men's Jacket:
Key Features of HugMe.fashion Full Sleeve Solid Men's Jacket Genui
1 Sleeve Fabric Leather General Details Pattern Solid Ideal For Men's
Price : 19830.0
Discounted Price :5949.0

4 -> Nikko VaporizR:
Buy Nikko VaporizR VaporizR from Flipkart.com. Only Genuine Product
Price : 4995.0
Discounted Price :4995.0

5 -> Maisto Rock Crawler 3XL:
Buy Maisto Rock Crawler 3XL Rock Crawler 3XL from Flipkart.com. Onl
Price : 4990.0
Discounted Price :4990.0
```



## Upper Bound:

```
1-> Sort by Price
2-> Sort by Discount Price
3-> Sort by Name
4-> Filter upper bound price
5-> Filter lower bound price
6-> Filter upper and lower bound price
7-> Filter according to the group(low and up)
8-> Make order for a product
0-> Customer Menu
4
Enter the upper bound :
10000
0 -> KAVACi Full Sleeve Solid Men's Jacket:
Key Features of KAVACi Full Sleeve Solid Men's Jacket Shoulder, e
leeve Full Sleeve Closure velcro Hooded No Reversible No Fabric K
t Additional Details Style Code Yellow01
Price : 8499.0
Discounted Price :8499.0

1 -> KAVACi Full Sleeve Solid Men's Jacket:
Specifications of KAVACi Full Sleeve Solid Men's Jacket Jacket Det
/ yellow Cuff Normal Cuff Pockets 7 General Details Pattern Solid
Price : 7999.0
Discounted Price :7999.0

2 -> Nikko VaporizR:
Buy Nikko VaporizR VaporizR from Flipkart.com. Only Genuine Produ
Price : 4995.0
Discounted Price :4995.0

3 -> Maisto Rock Crawler 3XL:
Buy Maisto Rock Crawler 3XL Rock Crawler 3XL from Flipkart.com. On
Price : 4990.0
Discounted Price :4990.0

4 -> Gifts & Arts Remote Control Jeep:
Buy Gifts & Arts Remote Control Jeep Remote Control Jeep from Flig
Price : 6000.0
Discounted Price :4499.0

5 -> K&N 1 Bike Spark Plug, 1 Air Filter-IVS Apache RTR 180 REF Co
Key Features of K&N 1 Bike Spark Plug, 1 Air Filter-IVS Apache RTR
REF Combo General Brand K&N Vehicle Model Name Apache RTR 180 Pri
Bike Spark Plug, 1 Air Filter-IVS Apache RTR 180 REF
Price : 2999.0
Discounted Price :2999.0
```

## Lower Bound:

Specifications of Joyrix Blue Bike Led Light With Motion Sensor Tyre Valve Cap  
Tyre Light Valve Cap Pack of 2  
Price : 499.0  
Discounted Price :199.0

127 -> Xtandard Universal Black Helmet Lock:  
Specifications of Xtandard Universal Black Helmet Lock (Black Pack of 1) In the  
r Bike Dimensions Length 50 cm Coil Thickness 10 mm Diameter 15 cm Weight 200 g  
Price : 399.0  
Discounted Price :199.0

128 -> Singh Xpress Combo of 2 Naughty Angry Bird in Catapult - Key Chains - Car  
Key Features of Singh Xpress Combo of 2 Naughty Angry Bird in Catapult - Key Ch  
apult - Key Chains - Car and Bike - Fancy - Accessories Rubber - - Valentines S  
ial. A must for every car enthusiast.#Beautiful High Quality Finish #Jaguar 3D  
Chains - Car and Bike - Fancy - Accessories Rubber - - Valentines Special Car  
biners  
Price : 545.0  
Discounted Price :193.0

129 -> ROYAL ERADO Motorcycle Design Sticker:  
Key Features of ROYAL ERADO Motorcycle Design Sticker CLASSIC HARLEY AVENGER Cl  
mblem With 3M Tape. Unique bright shiny look of this sticker enhance your bikes  
L ERADO Motorcycle Design Sticker (Pack of 1) General Brand Color silver Brand  
Yes Water Resistant Yes Reflective No Design AVENGER CHOPPER Color Silver Dime  
Price : 290.0  
Discounted Price :190.0

130 -> Smart Picks Die-Cast Metal Hummer Motorcycle BLU:  
Key Features of Smart Picks Die-Cast Metal Hummer Motorcycle BLU Min Age: 1 yrs  
r Motorcycle which is made of with a good quality.Toys are fascinating objects  
ecifications of Smart Picks Die-Cast Metal Hummer Motorcycle BLU (Blue) General  
Metal  
Price : 313.0  
Discounted Price :125.0

1-> Sort by Price  
2-> Sort by Discount Price  
3-> Sort by Name  
4-> Filter upper bound price  
5-> Filter lower bound price  
6-> Filter upper and lower bound price  
7-> Filter according to the group(low and up)  
8-> Make order for a product  
0-> Customer Menu  
5  
Enter the lower bound :  
2000

25 -> Bike World 3 Pipe Air Pressure for Etios Liva 110 dB Vehicle Horn:  
Key Features of Bike World 3 Pipe Air Pressure for Etios Liva 110 dB Vehicle  
icle Horn General Brand Bike World Vehicle Model Name Etios Liva Model Numbe  
Frequency Range 850 Hz In the box Sales Package 1 Vehicle Horn  
Price : 2399.0  
Discounted Price :1199.0

26 -> Speedwav Twin Tone 2 Pipe Bike Air Pressure -Royal Enfield Electra Twin  
Buy Speedwav Twin Tone 2 Pipe Bike Air Pressure -Royal Enfield Electra Twin  
cle Horn at best prices with FREE shipping & cash on delivery. Only Genuine  
Price : 2500.0  
Discounted Price :1048.0

27 -> Pro biker 1 Bike Gloves, 1 Neoprene Face Mask-Black, 1 Gloves Combo:  
Key Features of Pro biker 1 Bike Gloves, 1 Neoprene Face Mask-Black, 1 Glove  
r Riding Gloves - 1 Pair for Bike Motorcycle Scooter RidingFull-Grip Motorcy  
Riding Neoprene Half Cover Face MaskThis face mask protects your face from d  
sun protection and for wind protection during winter days. Size: Fit to all  
snow, wind and sun in winterCutout for nose breathingWear and put off easil  
this product information helpful? Yes No Thanks for your vote! Please write  
Vehicle Model Name Universal For Bike Primary Product Type Bike Gloves Weigh  
on helpful? Yes No Thanks for your vote! Please write your feedback before s  
Mask-Black, 1 Gloves Combo General Brand Pro biker Vehicle Model Name Univer  
ce Mask-Black, 1 Gloves  
Price : 2818.0  
Discounted Price :916.0

28 -> Quoface Day And Night Vision Car And Bike Driving Cycling Goggles:  
Key Features of Quoface Day And Night Vision Car And Bike Driving Cycling Go  
ack) Price: Rs. 650 Made for the young-at-heart men and women who have a per  
ble companion for your adventures. These full-framed plastic shades have yell  
nses to protect your eyes from the direct glare. Team them with a jacket, a  
) Goggle Features Shape Sports Wrap Around Frame Material Plastic Lens Color  
Type Cycling Goggles UV Protection Yes Ideal For Men, Women, Boys, Girls In  
Price : 2007.0  
Discounted Price :650.0

1-> Sort by Price  
2-> Sort by Discount Price  
3-> Sort by Name  
4-> Filter upper bound price  
5-> Filter lower bound price  
6-> Filter upper and lower bound price  
7-> Filter according to the group(low and up)  
8-> Make order for a product  
0-> Customer Menu

## Product Tree Category Filter:

```
1-> Sort by Price
2-> Sort by Discount Price
3-> Sort by Name
4-> Filter upper bound price
5-> Filter lower bound price
6-> Filter upper and lower bound price
7-> Filter according to the group(low and up)
8-> Make order for a product
0-> Customer Menu
7
Enter the level of product
Bike
0 -> K&N 1 Bike Spark Plug, 1 Air Filter-TVS Apache
Key Features of K&N 1 Bike Spark Plug, 1 Air Filter
REF Combo General Brand K&N Vehicle Model Name Apache
1 Bike Spark Plug, 1 Air Filter-TVS Apache RTR 180
Price : 2999.0
Discounted Price :2999.0

1 -> K&N 1 Bike Spark Plug, 1 Air Filter-Honda CB
Specifications of K&N 1 Bike Spark Plug, 1 Air Filter
duct Type 1 K&N Air Filter-Honda CB Trigger In the box
Price : 2999.0
Discounted Price :2999.0

2 -> K&N 1 Bike Spark Plug, 1 Air Filter-TVS Sport
Key Features of K&N 1 Bike Spark Plug, 1 Air Filter
cle Model Name Star City Primary Product Type Bike
Price : 2965.0
Discounted Price :2965.0

3 -> Favourite BikerZ FBZ 6LED 59 Cast Iron Front
Key Features of Favourite BikerZ FBZ 6LED 59 Cast Iron
nd Favourite BikerZ Light Bulb Color White Vehicle
th 5 cm Power Features Power Consumption 18 W Voltage
Price : 4596.0
Discounted Price :2294.0

4 -> Favourite BikerZ FBZ 6LED 57 Cast Iron Front
Key Features of Favourite BikerZ FBZ 6LED 57 Cast
```

```
16 -> Bike World 3 Pipe Air Pressure for Evalia 110 cc
Key Features of Bike World 3 Pipe Air Pressure for Evalia
n General Brand Bike World Vehicle Model Name Evalia
e 850 Hz In the box Sales Package 1 Vehicle Horn
Price : 2399.0
Discounted Price :1199.0

17 -> Bike World 3 Pipe Air Pressure for Etios Liva 110 cc
Key Features of Bike World 3 Pipe Air Pressure for Etios
icle Horn General Brand Bike World Vehicle Model Name Etios
Frequency Range 850 Hz In the box Sales Package 1 Vehicle
Price : 2399.0
Discounted Price :1199.0

18 -> Pro biker 1 Bike Gloves, 1 Neoprene Face Mask-Black
Key Features of Pro biker 1 Bike Gloves, 1 Neoprene Face
r Riding Gloves - 1 Pair for Bike Motorcycle Scooter
Riding Neoprene Half Cover Face MaskThis face mask provides
sun protection and for wind protection during winter
snow, wind and sun in winterCutout for nose breathing
this product information helpful? Yes No Thanks for your
Vehicle Model Name Universal For Bike Primary Product Type
on helpful? Yes No Thanks for your vote! Please write
Mask-Black, 1 Gloves Combo General Brand Pro biker Vehicle
ce Mask-Black, 1 Gloves
Price : 2818.0
Discounted Price :916.0

19 -> Quoface Day And Night Vision Car And Bike Driving
Key Features of Quoface Day And Night Vision Car And Bike
ack) Price: Rs. 650 Made for the young-at-heart men and
ble companion for your adventures. These full-framed goggles
uses to protect your eyes from the direct glare. Tear-resistant
) Goggle Features Shape Sports Wrap Around Frame Material
Type Cycling Goggles UV Protection Yes Ideal For Motorcycles
Price : 2097.0
Discounted Price :650.0

1-> Sort by Price
2-> Sort by Discount Price
3-> Sort by Name
4-> Filter upper bound price
5-> Filter lower bound price
6-> Filter upper and lower bound price
7-> Filter according to the group(low and up)
8-> Make order for a product
0-> Customer Menu
```

## Upper and Lower Bound:

```
1-> Sort by Price
2-> Sort by Discount Price
3-> Sort by Name
4-> Filter upper bound price
5-> Filter lower bound price
6-> Filter upper and lower bound price
7-> Filter according to the group(low and up)
8-> Make order for a product
0-> Customer Menu
6
Enter the upper bound :
4500
Enter the lower bound :
2500
0 -> Favourite BikerZ FBZ ROUND 9LED 99 Cast Iron Front Fog
Key Features of Favourite BikerZ FBZ ROUND 9LED 99 Cast Iron
ded Yes Brand Favourite BikerZ Light Bulb Color White Vehi
kg Width 12 cm Depth 2 cm Power Features Power Consumption
Price : 4396.0
Discounted Price :2114.0

1 -> Favourite BikerZ FBZ ROUND 9LED 61 Cast Iron Front Fog
Key Features of Favourite BikerZ FBZ ROUND 9LED 61 Cast Iron
ded Yes Brand Favourite BikerZ Light Bulb Color White Vehi
Width 12 cm Depth 2 cm Power Features Power Consumption 18
Price : 4396.0
Discounted Price :2114.0

2 -> Favourite BikerZ FBZ MOXI 9340 Customized Handlebar:
"Favourite BikerZ FBZ MOXI 9340 Customized Handlebar (Gold)
f Quality, Stability And Comfort.""",Specifications of Favou
ed Sweep Top Sweep Shade Gold Vehicle Brand Honda Material
Price : 3999.0
Discounted Price :1999.0

3 -> Leebo LED Headlight For Suzuki Sling:
Key Features of Leebo LED Headlight For Suzuki Sling 6000k
m Red Copper thermal conduction tube inside, can transfer m
w beam. High intensity COB LED,DC12V-24V for most Motorcyc
ltage: DC12V/DC24V Lamp Type: LED Certification: RoHS CE Ma
Lamp Lifespan: 30000 Hours Usage: Car / Bike Head Light Ma
Beam Light Source LED Type Headlight Finish Aluminium Numbe
ht Unit Dimensions Weight 0.2 kg Width 50 mm Depth 50 mm Po
Price : 3000.0
Discounted Price :1500.0

4 -> Leebo LED Headlight For Honda CB:
```

```
7 -> K&N 1 Bike Spark Plug, 1 Air Filter-Honda CB Trigger Combo:
Specifications of K&N 1 Bike Spark Plug, 1 Air Filter-Honda CB Trig
duct Type 1 K&N Air Filter-Honda CB Trigger In the Box 1 Bike Spark
Price : 2999.0
Discounted Price :2999.0

8 -> K&N 1 Bike Spark Plug, 1 Air Filter-TVS Sport Combo:
Key Features of K&N 1 Bike Spark Plug, 1 Air Filter-TVS Sport Combo
cle Model Name Star City Primary Product Type Bike Spark Plug Weigh
Price : 2965.0
Discounted Price :2965.0

9 -> OEM 170906 Bike Centre Stand:
Specifications of OEM 170906 Bike Centre Stand General Brand OEM Ve
ike Centre Stand
Price : 2900.0
Discounted Price :1535.0

10 -> OEM 170909 Bike Centre Stand:
Specifications of OEM 170909 Bike Centre Stand General Brand OEM Ve
Bike Centre Stand
Price : 2900.0
Discounted Price :1485.0

11 -> Pro biker 1 Bike Gloves, 1 Neoprene Face Mask-Black, 1 Gloves
Key Features of Pro biker 1 Bike Gloves, 1 Neoprene Face Mask-Black
r Riding Gloves - 1 Pair for Bike Motorcycle Scooter RidingFull-Gri
Riding Neoprene Half Cover Face MaskThis face mask protects your fa
sun protection and for wind protection during winter days. Size: F
snow, wind and sun in winterCutout for nose breathingWear and put
this product information helpful? Yes No Thanks for your vote! Ple
Vehicle Model Name Universal For Bike Primary Product Type Bike Glo
on helpful? Yes No Thanks for your vote! Please write your feedback
Mask-Black, 1 Gloves Combo General Brand Pro biker Vehicle Model Na
ce Mask-Black, 1 Gloves
Price : 2818.0
Discounted Price :916.0
```

## Ordering From Searching List:

```
orders.csv
1  customerid,traderid,productid
2  10000003,50000351,ACBEAGHHHWJAJA9C
3  10000003,50000351,ACBEA449ZTQWXPV
4  10000003,50000351,ACBEA449GB89ADNG
5  10000003,50000351,ACBEA4496CMCQZCU
6  10000003,50000351,ACBEAGHHHWJAJA9C
7  10000003,50000351,ACBECFGT6YXGSNU4
8  10000002,50000292,TOPEHFGN5E8MNFNC
9  10000002,50000292,TOPEHFGNNB2Z5MG4
10 10000002,50000292,TOPEHFGNNEE2ZGBU
11 10000003,50000351,ACBEAGHHHWJAJA9C
12 10000003,50000351,ACBECFGT6YXGSNU4
13
```

```
21 -> OEM 170760 Bike Side Stand:
Specifications of OEM 170760 Bike Side Stand General Brand OEM
Stand
Price : 1700.0
Discounted Price :854.0

1-> Sort by Price
2-> Sort by Discount Price
3-> Sort by Name
4-> Filter upper bound price
5-> Filter lower bound price
6-> Filter upper and lower bound price
7-> Filter according to the group(low and up)
8-> Choose product to order
0-> Customer Menu
8
Enter the index of product
21
```

```
orders.csv
1  customerid,traderid,productid
2  10000003,50000351,ACBEAGHHHWJAJA9C
3  10000003,50000351,ACBEA449ZTQWXPV
4  10000003,50000351,ACBEA449GB89ADNG
5  10000003,50000351,ACBEA4496CMCQZCU
6  10000003,50000351,ACBEAGHHHWJAJA9C
7  10000003,50000351,ACBECFGT6YXGSNU4
8  10000002,50000292,TOPEHFGN5E8MNFNC
9  10000002,50000292,TOPEHFGNNB2Z5MG4
10 10000002,50000292,TOPEHFGNNEE2ZGBU
11 10000003,50000351,ACBEAGHHHWJAJA9C
12 10000003,50000351,ACBECFGT6YXGSNU4
13 10000003,50001850,BKAEGFWN3FWKGYJG
14
```

See All Product Of Trader:

```
=====
Welcome Cankız Bulgan
1->See orders
2->Order a product
3->Search product
4->See all product of a Trader
5->Query a product
0->Log Out
Enter the operation :
4
Enter the name of trader:
Ace
Ace HEADPHONE291 Stereo Dynamic Headphone Wired Headphones:
Key Features of Ace HEADPHONE291 Stereo Dynamic Headphone Wired Headphones Silicone Ear Tips for Best Fit, Pristine Audio assorted colors,Ace HEADPHONE291 Stereo Dynamic Headphone Wired Headphones (Multicolor) Ear Buds Noise Cancellation Yes General Headset Design Over the Head Brand Ace Wired/Wireless Wired Headphone Type Over the Ear Model ID HEADPHONE291 Color Multicolor In Sales Package Headphone W
connect Warranty Summary no warranty Warranty Service Type off site Not Covered in Warranty physical damage Connectivity Headphone Jack 3.5 mm Additional Features Flatwire Yes
Price : 419.0
Discounted Price :299.0

Ace HEADPHONE1510NTO Stereo Dynamic Headphone Wired Headphones:
Key Features of Ace HEADPHONE1510NTO Stereo Dynamic Headphone Wired Headphones Silicone Ear Tips for Best Fit, Pristine Audio assorted colors,Ace HEADPHONE1510NTO Stereo Dynamic Headphone Wired Headphones (Multicolor) Ear Buds Noise Cancellation Yes General Headset Design Over the Head Brand Ace Wired/Wireless Wired Headphone Type Over the Ear Model ID HEADPHONE1510NTO Color Multicolor In Sales Package Headphone W
connect Warranty Summary no warranty Warranty Service Type off site Not Covered in Warranty physical damage Connectivity Headphone Jack 3.5 mm Additional Features Flatwire Yes
Price : 321.0
Discounted Price :299.0
```

Query Product:

```
=====
Welcome Cankız Bulgan
1->See orders
2->Order a product
3->Search product
4->See all product of a Trader
5->Query a product
0->Log Out
Enter the operation :
5
Enter the quering product name
Bike
Bike => true
=====
```

Order A Product:

```
=====
Welcome Cankız Bulgan
1->See orders
2->Order a product
3->Search product
4->See all product of a Trader
5->Query a product
0->Log Out
Enter the operation :
2
Enter the product id to order
ACCE7XGJZWRHVHPH
```

	orders.csv
1	<u>customerid</u> , <u>traderid</u> , <u>productid</u>
2	10000003,50000351,ACBEAGH1H1WJAH9C
3	10000003,50000351,ACBEA449ZTQWXS
4	10000003,50000351,ACBEA449GB89AD
5	10000003,50000351,ACBEA4496CMCQZ
6	10000003,50000351,ACBEAGH1H1WJAH9C
7	10000003,50000351,ACBECFGT6VXGSNU4
8	10000002,50000292,TOPEHFGN5E8MNFNC
9	10000002,50000292,TOPEHFGNNB2Z5MG4
10	10000002,50000292,TOPEHFGNNEE2ZGBU
11	10000003,50000351,ACBEAGH1H1WJAH9C
12	10000003,50000351,ACBECFGT6VXGSNU4
13	10000003,50000999,ACCE7XGJZWRHVHPH
14	