

**GIT Department of Computer Engineering
CSE 222/505 - Spring 2021
Homework 6 Report**

**Tuba Toprak
161044116**

1. PROBLEM SOLUTION APPROACH

When you run the program, you welcome it with the menu. The program first saves the csv file to the txt file for faster use. does not use memory while doing this. The program reads traders from the file and gives them a eight-digit unique id and password and saves all traders with their information in the users txt file. When the trader wants to log into the system, it is controlled with her-his id and password. When they log into the system, they can use the add and remove methods. When the customer is registered in the system, the information of the customer is saved in the user txt file.

A class named Menu has been created for the program. Classes were created for merchants and customers and Menu class was extended and Override toString method.

arraylist was used for traders.

linklist was used for customers.

Queue was used for customer orders.

```
16      try {
17          myObj = new FileInputStream(output);
18      } catch (FileNotFoundException e) {
19          e.printStackTrace();
20      }
21  }
22
23  Scanner choice = new Scanner(System.in);
24  ArrayList<Trader> tradersname = new ArrayList<>();
25  LinkedList<Customer> customername = new LinkedList<>();
26  Queue<String> orderlist = new LinkedList<>();
27
28  public void menus() throws Exception {
29      FileWriter fw = new FileWriter(output); //write to txt
```

Before the program runs, path must be shown so that it can find files.

2. TEST CASES

- Right choice in menus checking
- incorrect login operations checking
- Is the product id 16 digits? Checking
- Is the product ID of the product to be added in the file? Checking
- Is the product ID of the product to be deleted in the file? Checking

3.RUNNING AND RESULTS

The id and password I used belong to Fayon trader

```
"C:\Program Files\Java\jdk-15.0.2\bin\java.exe" "-javaa
welcome to e-shopping
1- Login Trader
2- Login Customer
3- New Customer
4 - Exit Program
Please Choice enter: 1
--- Login Trader---
Please enter id: 10001035
Please enter Password: 10001035
1- Add Product
2- Remove Product
4 - Exit Program
Please Choice enter: 1
Please enter product id:
SRTEH2FVVKRBAXHB
There are products in this product ids.
1- Add Product
2- Remove Product
4 - Exit Program
Please Choice enter: 1
Please enter product id:
123456
Please enter product id(16 digits):
123456789ARTYG56
Please enter product name
tuba'nın renkli kazağı
```

```
Please enter product name
tuba'nın renkli kazağı
Please enter product price
235
Please enter product discounted_price
32
Please enter product description
kaz tüğünden yapılmıştır
Product added.
1- Add Product
2- Remove Product
4 - Exit Program
Please Choice enter:
```

```
STIE88KN9ZDSGZKY;Elite Collection Medium Acrylic Sticker;[""Baby Care >> Baby & Kids Gifts >> Stickers >> Elite Collection Stickers"""];1499;999;Buy E
STIE9F5TXEZ2RT8N;Wallmantra Large Vinyl Stickers Sticker;[""Baby Care >> Baby & Kids Gifts >> Stickers >> Wallmantra Stickers"""];727;582;Buy Wallmantr
STIE7KFJAKSTDY9G;WallDesign Small Vinyl Sticker;[""Baby Care >> Baby & Kids Gifts >> Stickers >> WallDesign Stickers"""];1500;730;Buy WallDesign Small
STIE9F5URNQ6JCGH;Wallmantra Large Vinyl Stickers Sticker;[""Baby Care >> Baby & Kids Gifts >> Stickers >> Wallmantra Stickers"""];1429;1143;Buy Wallman
STIE7VAYDKQZEBSO;Elite Collection Medium Acrylic Sticker;[""Baby Care >> Baby & Kids Gifts >> Stickers >> Elite Collection Stickers"""];1299;999;Buy E
STIE8YSVEPPCZ42Y;Elite Collection Medium Acrylic Sticker;[""Baby Care >> Baby & Kids Gifts >> Stickers >> Elite Collection Stickers"""];1499;1199;Buy E
STIE88KN9ZDSGZKY;Elite Collection Medium Acrylic Sticker;[""Baby Care >> Baby & Kids Gifts >> Stickers >> Elite Collection Stickers"""];1499;999;Buy E

123456789ARTYG56;tuba'nın renkli kazağı;235;32;kaz t y nden yapılmıřtır;Fayon
```

```
1- Add Product
2- Remove Product
4 - Exit Program
Please Choice enter: 2
Please product id: NKCE27TWT4YWWHJM
deleted: NKCE27TWT4YWWHJM;Fayon Alloy Necklace;[""Jewellery >> Necklaces & Chains >> Necklaces"""];1230;492;Fayon Alloy Necklace - Buy Fayon Alloy Necklace
1- Add Product
2- Remove Product
4 - Exit Program
Please Choice enter: |
```

```
welcome to e-shopping
1- Login Trader
2- Login Customer
3- New Customer
4 - Exit Program
Please Choice enter: 3
Please enter customer name
Bill Gates
Please enter customer password
12348111
Your user id: 10003179
welcome to e-shopping
1- Login Trader
2- Login Customer
3- New Customer
4 - Exit Program
Please Choice enter: 2
--- Login Customer---
Please enter id: 10003179
Please enter Password: 12348111
1- order Product
2- Search Product
3 - Exit Program
Please Choice enter: 1
Please enter product id for order:
```

Trader:	10003174	10003174	Ambika Lahenga
Trader:	10003175	10003175	Elite Collection
Trader:	10003176	10003176	999store
Trader:	10003177	10003177	Uberlyfe
Trader:	10003178	10003178	Fun To See
Customer:	10003179	1234Bill	Bill Gates

<