

In our project we wanted to design a platform in which you could sign in as a manager or a customer. Both manager and customer accounts have their own futures and menus. If you want to sign in as a customer, the program gives you the choice of signing in or up. We hold customer information in a text file to check sign in values.

The customer menu gives you the chance to see all available products, search them by values or add those products to your basket and complete your shopping. The program decides on a random date each time you start it. Manager holds the power to change the current date which will be affecting the program. There are special dates on specific intervals in which there are discounts available on all products (Halloween, New Year, etc.). Program notifies the user if there are discounts available. If there are not enough stock of the wanted amount, program gives you the option to buy the current amount, and sends a message to the manager.

When the shopping is completed program prepares a fee.txt which includes the information of the payment and shows the discount, product and total amount.

The manager menu gives the manager options to see current products and gives him/her the power to re-arrange and re-stock. You can also add new items and change the date. Items are also saved on a text file just like customers. We made our manager account with secret constructor where program automatically create one manager class with same information with default constructor.

If we had more time we would like to add more options to our Customer menu and try to add funnier encounters.

Login:

```
WELCOME TO HEPST SURADA!  
  
1-Customer account  
2-Manager account  
Please choose the type of the account:
```

Manager Login:      password=123

```
-----Hello Manager-----  
Please continue with entering your ID: 12345  
Now please continue with setting your Password: ***
```

## Manager Menu:

```
----Welcome to Hepsi Surada----
1-Checking the products
2-Re-arrenge the products
3-Re-stocking the items
4-Add product
5-Display the sales
6-Re-arrenge the Sale
7-Control Time
8-Return to main interface
9-Exit
Please choose your action:
```

## Display Menu:

```
Please choose your action: 1
1) All Products
2) Search by Brand
3) Search by Type
4) Search by Name
5) ADD ITEMS TO YOUR BASKET
6) Return to previous page
Please choose your action: 1
```

Brand Name:	Product Type:	Product Name:	Product Number:	Stock:	Price:
Nike	sport	shoe	1	0	350
Adidas	clothing	t-shirt	2	20	60
Damak	food	chocolate	3	5	5
Apple	technology	I_phone	4	5	9000
Everclean	pet	cat_litter	5	3	100
Arko	beauty	hand_cream	6	7	25
WetNWild	beauty	mascara	7	0	45

```
Please choose your action: 2
Please enter the brand which you want to see: Nike
```

Brand Name:	Product Type:	Product Name:	Product Number:	Stock:	Price:
Nike	sport	shoe	1	0	350

```
Please choose your action: 3
Please enter the type of the product which you want to see: beauty
```

Brand Name:	Product Type:	Product Name:	Product Number:	Stock:	Price:
Arko	beauty	hand_cream	6	7	25
WetNWild	beauty	mascara	7	0	45

```
Please choose your action: 4
Please enter the name of the product which you want to see: shoe
```

Brand Name:	Product Type:	Product Name:	Product Number:	Stock:	Price:
Nike	sport	shoe	1	0	350

### Re-arrange Product:

```
Please choose your action: 2
Do you want us to show all Products: Yes

1) All Products
2) Search by Brand
3) Search by Type
4) Search by Name
5) ADD ITEMS TO YOUR BASKET
6) Return to previous page
Please choose your action: 1

Brand Name:    Product Type:  Product Name:  Product Number:  Stock:    Price:
Nike           sport        shoe          1                0         350
Adidas         clothing    t-shirt       2                20        60
Damak          food        chocolate     3                5         5
Apple          technology  I_phone      4                5         9000
Everclean      pet         cat_litter    5                3         100
Arko           beauty     hand_cream    6                7         25
WetNWild       beauty     mascara       7                0         45

Please enter the Product number which you wanted to change: 2
Please enter the new Type: food
Please enter the new Brand name: KFC
Please enter the new Name: Fried_Chicken
Please enter the new Price: 25
Please enter the new max stock: 50
Please enter the current stock: 45
```

### Re-stock:

```
Please choose your action: 3
Please enter the Products Number which you want to re-stock: 2
Product which Product Number is 2 is re-stocked.
```

### Add Product:

```
Please choose your action: 4
Enter brand name: Adidas
Enter product name: t-shirt
Enter product type: clothing
Enter product price: 45
Enter max stock: 100
Enter current stock: 98
```

Sale display:

```
Please choose your action: 5
```

Name:	Start Date:	End Date:	Percentage:	Sale Types:
New year	25.12	5.1	0.8	clothing technology food sport
Halloween	31.10	7.11	0.7	clothing food
Kurban Bayrami	20.7	27.7	0.5	food
Nevruz Bayrami	21.3	28.3	0.4	clothing sport
Summer break	19.6	26.6	0.6	technology sport

Time menu:

```
Date: 23/1  
---BACK TO THE FUTURE---  
1-Random date  
2-Next Day  
3-Choose Date  
4-Return Menu  
Please choose your action:
```

Exiting as Manager:

```
Please choose your action: 9  
Thank you for your hard work today.
```

Customer Login as Sign in:

```
WELCOME TO HEPsi SURADA!

1-Customer account
2-Manager account
Please choose the type of the account: 1

1-Sign up
2-Sign in
3-Return account selection interface
Please choose the type of the sign: 2

Date: 1/6
Please continue with entering your e-mail: izgikanatli@gmail.com
Now please continue with setting your Password: *****
```

Customer Login as Sign up:

```
WELCOME TO HEPsi SURADA!

1-Customer account
2-Manager account
Please choose the type of the account: 1

1-Sign up
2-Sign in
3-Return account selection interface
Please choose the type of the sign: 1

-----Hello Customer-----
Please Create a Customer Account
Please continue with entering your name: Ecem
Please continue with entering your last name: KARABAY
Please continue with entering your e-mail: Ekarabay@gmail.com
Now please continue with setting your Password: ****
Do you want to see your Password enter YES or NO: YES

Your password is 9600
Press any key to continue . . .
```

Confirmation:

```
Hello Ecem KARABAY
Your account has successfully created.
Please Enter your Password again to confirm and continue: ****
```

## Customer Menu:

```
----Welcome to Hepsi Surada----
1-SHOP: Catalog of the Products
2-Special sales
3-Return to main interface
4-Exit
Please choose your action:
```

## Buying:

```
Please enter the Product Number which you want to buy: 7
How many products you want to buy: 100
Item has been added to your basket:
Would you like to add another item to your basket: no
Would you like to remove an item from your basket: no
Your final basket is:

We are in New year! %0.8 amount of dicount is active!

Brand Name:    Product Type:    Product Name:    Product Number:    Amount:    Discount %:    Total Price:
WetNWild      beauty          mascara          7                  100        0.8            900
```

## Buying when there is no stock in product:

```
Please enter the Product Number which you want to buy: 6
How many products you want to buy: 10
Unfortunately we don't have ANY stock for this Product.
If you want we can send a message to manager to re-stock the product you want: yes
We are sending the message to manager.
this situation can be long please come again later.
Product which Product Number is 6 is re-stocked.
```

## Buying while not enough stock:

```
1/1
Please enter the Product Number which you want to buy: 6
How many products you want to buy: 10
Unfortunately we don't have enough stock in this Product. Would you like to buy current stock: yes
Would you like to add another item to your basket: no
Would you like to remove an item from your basket: no
Your final basket is:

We are in New year! %0.8 amount of dicount is active!

Brand Name:    Product Type:    Product Name:    Product Number:    Amount:    Discount %:    Total Price:
Arko           beauty          hand_cream       5                  7          0.8            35

Would you like to purchase now: yes
Total payment is: 35
Thanks for choosing us!
```

## Exiting as Customer:

```
Please choose your action: 4

Thank you for choosing Hepsi Surada as your retailer...Come back again.
```

Fee.txt:

```
***  ***  *****  *****  *****  ***
***  ***  *****  *****  *****  ***
***  ***  ***      ***      ***      ***
*****  ***      ***      ***      ***
*****  *****  *****  *****  *****
*****  *****  *****  *****  *****
***  ***  ***      ***      ***      ***
***  ***  *****  ***      *****  ***
***  ***  *****  ***      *****  ***

*****  ***  ***  *****  *****  *****  *****
*****  ***  ***  *****  *****  *****  *****
***      ***  ***  ***      ***      ***      ***
***      ***  ***  ***      ***      ***      ***
*****  ***  ***  *****  ***      ***      ***
*****  ***  ***  *****  *****  ***      ***
***      ***  ***  *****  *****  ***      ***
*****  *****  ***      ***      ***      ***
*****  *****  ***      ***      ***      ***
```

Date: 1 / 1

WetNWild mascara beauty 45 100

4500  
SALE: % 80  
900

Hepsi Surada CO. is a company of Kanatly&Karabay company all its  
fairshares are classified by its share holders  
And after 3 milisecond after you get the Fee.txt the rights of  
refunding the product(s) is(are) out of services  
Thank you for choosing Hepsi Surada as your retailer of products...

Customer.txt:

---

izgi  
kanatli  
izgikanatli@gmail.com  
44324232

-----  
gorkem  
karabay  
gorkemkarabay@gmail.com  
234564

-----  
trial  
account  
333  
444

-----  
amy  
schumer  
amyschumer@gmail.com  
56422

-----  
ethan  
klein  
ethanklein@gmail.com  
1234

-----  
hila  
klein  
hilaklein@gmail.com  
4567

-----  
johnny  
depp  
johnnydepp@gmail.com  
123

-----  
taylor  
swift  
taylorswift@gmail.com  
1345

-----  
bruno  
mars  
brunomars@gmail.com  
1234

-----



Items.txt:

---

Nike  
shoe  
sport  
350  
100  
0  
1  
-----

KFC  
Fried\_Chicken  
food  
25  
50  
50  
2  
-----

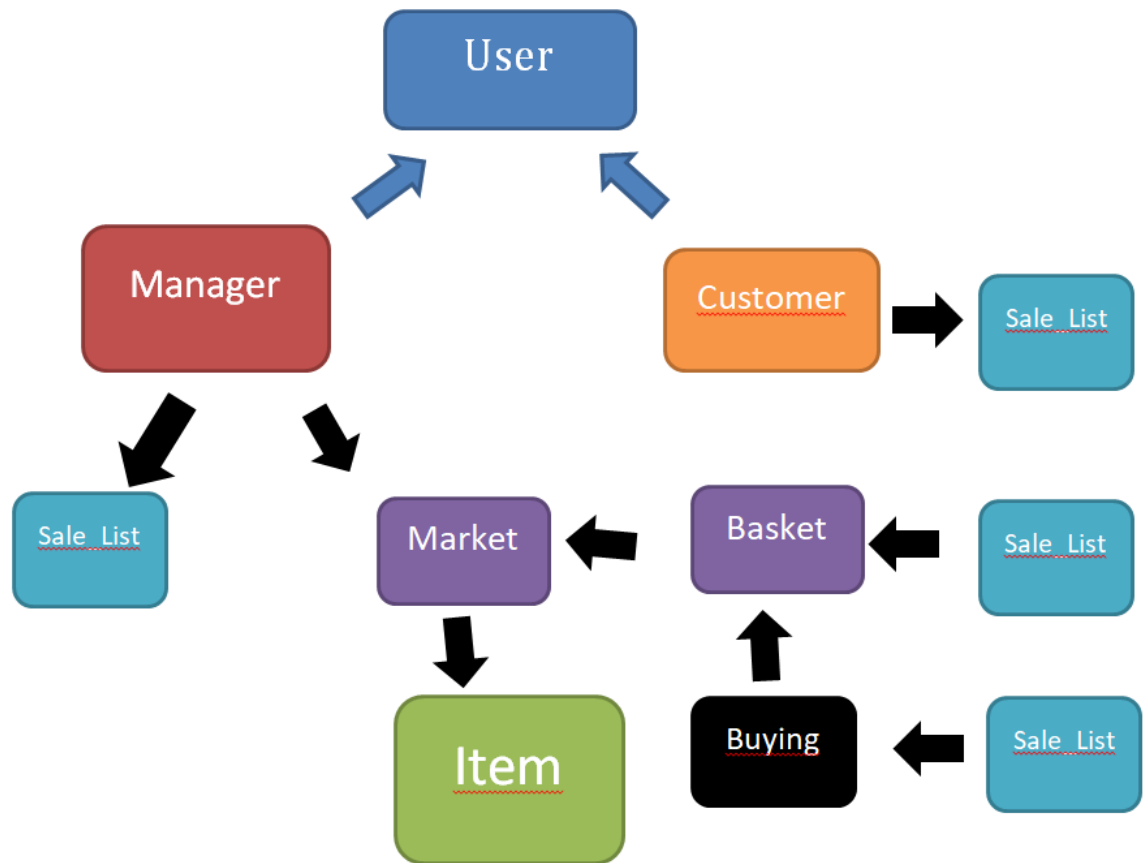
Damak  
chocolate  
food  
5  
10  
5  
3  
-----

Apple  
I\_phone  
technology  
9000  
100  
5  
4  
-----

Everclean  
cat\_litter  
pet  
100  
400  
3  
5  
-----

Arko  
hand\_cream  
beauty  
25  
1000  
7  
6

Class Diagram:



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