



4

- 1-File Operations
- 2-Query products
- 3-Check stock status
- 4-Stock control by brand
- 5-Export report
- 0-Exit

1

- 1. Add a new product
- 2. Delete a product
- 3. Update a product
- 4. Add feature to products
- 5. Add a new stock entry
- 6. Delete a stock entry
- 7. Update a stock entry
- 8. Back to main menu

5

Enter product's pID: 1
Enter branch name: rize
Enter current stock: 122

New stock added

- 1. Add a new product
- 2. Delete a product
- 3. Update a product
- 4. Add feature to products
- 5. Add a new stock entry
- 6. Delete a stock entry
- 7. Update a stock entry
- 8. Back to main menu

5

Enter product's pID: 2
Enter branch name: asea
Enter current stock: 45

New stock added

1. Add a new product



New stock added

1. Add a new product
2. Delete a product
3. Update a product
4. Add feature to products
5. Add a new stock entry
6. Delete a stock entry
7. Update a stock entry
8. Back to main menu

- 1-File Operations
- 2-Query products
- 3-Check stock status
- 4-Stock control by brand
- 5-Export report
- 0-Exit

- 1-Filter Product And Branch
- 2-Filter Stock with Branch
- 3-Out of stock Products
- 4-Back to menu

1
Enter product ID: 2
Enter branch name: asea
2,2,asea,45

- 1-Filter Product And Branch
- 2-Filter Stock with Branch
- 3-Out of stock Products
- 4-Back to menu

2
Enter branch name: asea
2,2,asea,45

- 1-Filter Product And Branch
- 2-Filter Stock with Branch
- 3-Out of stock Products

Screenshot captured

You can paste the image from the clipboard.

```
0-Exit
3
1-Filter Product And Branch
2-Filter Stock with Branch
3-Out of stock Products
4-Back to menu
1
Enter product ID: 2
Enter branch name: asea
2,2,asea,45

1-Filter Product And Branch
2-Filter Stock with Branch
3-Out of stock Products
4-Back to menu
2
Enter branch name: asea
2,2,asea,45

1-Filter Product And Branch
2-Filter Stock with Branch
3-Out of stock Products
4-Back to menu
3
Enter branch name: asea

1-Filter Product And Branch
2-Filter Stock with Branch
3-Out of stock Products
4-Back to menu
4
1-File Operations
2-Query products
3-Check stock status
4-Stock control by brand
5-Export report
0-Exit
```

husniddin@husniddin-VirtualBox: ~/Desktop/102/hw6

husniddin@husniddin-VirtualBox:~/Desktop/102/hw6\$ make

Removing compiled files...-----
Compiling...-----
Running the tests....

=====

./test

1-File Operations

2-Query products

3-Check stock status

4-Stock control by brand

5-Export report

0-Exit

1

1. Add a new product

2. Delete a product

3. Update a product

4. Add feature to products

5. Add a new stock entry

6. Delete a stock entry

7. Update a stock entry

8. Back to main menu

1

Enter product type: D

Enter product name: Ayran

Enter product brand: Sutas

Enter product price: 12

Product Added

1. Add a new product

2. Delete a product

3. Update a product

4. Add feature to products

5. Add a new stock entry

6. Delete a stock entry

7. Update a stock entry



Enter product price: 12

Product Added

1. Add a new product
2. Delete a product
3. Update a product
4. Add feature to products
5. Add a new stock entry
6. Delete a stock entry
7. Update a stock entry
8. Back to main menu

1

Enter product type: D

Enter product name: keypad

Enter product brand: dana

Enter product price: 34

Product Added

1. Add a new product
2. Delete a product
3. Update a product
4. Add feature to products
5. Add a new stock entry
6. Delete a stock entry
7. Update a stock entry
8. Back to main menu

8

- 1-File Operations
- 2-Query products
- 3-Check stock status
- 4-Stock control by brand
- 5-Export report
- 0-Exit

2

1. List all products
2. Filter products by brand, type, price, or a user-defined feature

3. Back to main menu



4-Stock control by brand

5-Export report

0-Exit

2

1. List all products

2. Filter products by brand, type, price, or a user-defined feature

3. Back to main menu.

1

pID,Type,Name,Brand,Price

1,D,Ayran,Sutas,12.00

2,D,kebab,dana,34.00

1. List all products

2. Filter products by brand, type, price, or a user-defined feature

3. Back to main menu.

3

1-File Operations

2-Query products

3-Check stock status

4-Stock control by brand

5-Export report

0-Exit

1

1. Add a new product

2. Delete a product

3. Update a product

4. Add feature to products

5. Add a new stock entry

6. Delete a stock entry

7. Update a stock entry

8. Back to main menu

2

Enter pID of the product you want to delete: 2

Product Deleted!

1. Add a new product

2. Delete a product

3. Update a product

4. Add feature to products

Enter pID of the product you want to delete: 2
Product Deleted!

1. Add a new product
2. Delete a product
3. Update a product
4. Add feature to products
5. Add a new stock entry
6. Delete a stock entry
7. Update a stock entry
8. Back to main menu

- 1-File Operations
- 2-Query products
- 3-Check stock status
- 4-Stock control by brand
- 5-Export report
- 0-Exit

1. List all products
2. Filter products by brand, type, price, or a user-defined feature
3. Back to main menu.

1
pID,Type,Name,Brand,Price
1,D,Ayran,Sutas,12.00

1. List all products
2. Filter products by brand, type, price, or a user-defined feature
3. Back to main menu.

2
Enter filter type (brand, type, price, feature): brand
Enter filter value/s (for example: brand,Sutas): brand,Sutas
1,D,Ayran,Sutas,12.00

1. List all products
2. Filter products by brand, type, price, or a user-defined feature
3. Back to main menu.

3

1-File Operations



1,D,Ayran,Sutas,12.00

1. List all products
2. Filter products by brand, type, price, or a user-defined feature
3. Back to main menu.

- 1-File Operations
- 2-Query products
- 3-Check stock status
- 4-Stock control by brand
- 5-Export report
- 0-Exit

1. Add a new product
2. Delete a product
3. Update a product
4. Add feature to products
5. Add a new stock entry
6. Delete a stock entry
7. Update a stock entry
8. Back to main menu

5
Enter product's pID: 2
Enter branch name: Adana
Enter current stock: 123

New stock added

1. Add a new product
2. Delete a product
3. Update a product
4. Add feature to products
5. Add a new stock entry
6. Delete a stock entry
7. Update a stock entry
8. Back to main menu

5
Enter product's pID: 3



5

Enter product's pID: 3

Enter branch name: rize

Enter current stock: 345

New stock added

1. Add a new product

2. Delete a product

3. Update a product

4. Add feature to products

5. Add a new stock entry

6. Delete a stock entry

7. Update a stock entry

8. Back to main menu

8

1-File Operations

2-Query products

3-Check stock status

4-Stock control by brand

5-Export report

0-Exit

3

1-Filter Product And Branch

2-Filter Stock with Branch

3-Out of stock Products

4-Back to menu

1

Enter product ID: 3

Enter branch name: rize

2,3,rize,345

1-Filter Product And Branch

2-Filter Stock with Branch

3-Out of stock Products

4-Back to menu

2

Enter branch name: Adana

1-2-Adana-123

Screenshot captured
You can paste the image from the clipboard.

1-Filter Product And Branch
2-Filter Stock with Branch
3-Out of stock Products
4-Back to menu

4
1-File Operations
2-Query products
3-Check stock status
4-Stock control by brand
5-Export report
0-Exit

4
Enter brand name: Sutas
Products of brand Sutas:

pID	Price	Current Stock
1	12.00	0.00

1-File Operations
2-Query products
3-Check stock status
4-Stock control by brand
5-Export report
0-Exit

5
Reported

1-File Operations
2-Query products
3-Check stock status
4-Stock control by brand
5-Export report
0-Exit
0

=====
Completed tests....
husniddin@husniddin-VirtualBox:~/Desktop/102/hw6\$

Open



products.txt

~/Desktop/102/hw6

Save



products.txt

stocks.txt

report.txt

```
1 pID,Type,Name,Brand,Price
2 1,D,Sutas,Ayran,33.00
3 2,D,Kebap,dana,34.00
```

```
1 sID,pID,branch,current_stock
2 1,1,rize,22
3 2,2,adana,45
```

```
1 pID,Min Stock,Max Stock,Median Stock
2 1,-0.00,22.00,11.00
3 2,0.00,45.00,22.50
```




7. Update a stock entry

8. Back to main menu

5

Enter product's pID: 2

Enter branch name: adana

Enter current stock: 45

New stock added

1. Add a new product

2. Delete a product

3. Update a product

4. Add feature to products

5. Add a new stock entry

6. Delete a stock entry

7. Update a stock entry

8. Back to main menu

8

1-File Operations

2-Query products

3-Check stock status

4-Stock control by brand

5-Export report

0-Exit

5

Reported

1-File Operations

2-Query products

3-Check stock status

4-Stock control by brand

5-Export report

0-Exit

0

Completed tests....

husniddin@husniddin-VirtualBox:~/Desktop/102/hw6\$



```
1
Enter product ID: 3
Enter branch name: rize
2,3,rize,345

1-Filter Product And Branch
2-Filter Stock with Branch
3-Out of stock Products
4-Back to menu
2
Enter branch name: Adana
1,2,Adana,123

1-Filter Product And Branch
2-Filter Stock with Branch
3-Out of stock Products
4-Back to menu
4
1-File Operations
2-Query products
3-Check stock status
4-Stock control by brand
5-Export report
0-Exit
4
Enter brand name: Sutas
Products of brand Sutas:
pID    Price    Current Stock
1      12.00    0.00

1-File Operations
2-Query products
3-Check stock status
4-Stock control by brand
5-Export report
0-Exit
5
```

