

PRF192 ASSIGNMENT

Requirement: WRITE A C PROGRAM TO MANAGE FOOD AND CUSTOMER IN A MINI MARKET

GROUP 6

TASK	NAME
<ul style="list-style-type: none">Lên ý tưởngCode sườn bài (macro, database,...)Làm function display all items và function add items	Trần Quốc Hùng - DE190015 - Leader
<ul style="list-style-type: none">Làm function sort và export data to file	Lê Nguyễn Anh Đạt - DE180645
<ul style="list-style-type: none">Làm function Look for items và delete matched items	Bùi Quang Hiếu - DE190011
<ul style="list-style-type: none">Làm function delete all item và modify item	Nguyễn Thanh Lâm - DE180900

TASK 1: display all items

Manage food items

***** * Product Database * *****						
* no.	name		stock		price	manufacturing date expiry date
* 1	chicken		10		30	22/10/2023 22/10/2024
* 2	beef		15		20	15/11/2023 15/11/2024
* 3	pork		12		25	18/12/2023 18/12/2024
* 4	fish		8		40	05/09/2023 05/09/2024
* 5	vegetables		5		50	30/11/2023 30/11/2024
* 6	fruits		6		60	12/12/2023 12/12/2024
* 7	bread		3		70	01/01/2023 01/01/2024
* 8	milk		2		80	02/02/2023 02/02/2024
* 9	cheese		4		90	03/03/2023 03/03/2024
* 10	eggs		1		100	04/04/2023 04/04/2024

Press any keys to return to main product menu						

Manage customers:

```

*****
*
*                               Customer Database
*
*****
*
* no. | name | age | phone number | account balance | bonus point
*
* 1 | John | 25 | 1234567890 | 1000 | 50
* 2 | Alice | 30 | 9876543210 | 2000 | 100
* 3 | Bob | 35 | 5555555555 | 1500 | 75
* 4 | Emma | 28 | 9999999999 | 1800 | 90
* 5 | Michael | 40 | 1111111111 | 1200 | 60
* 6 | Sophia | 32 | 4444444444 | 2500 | 125
* 7 | William | 27 | 6666666666 | 900 | 45
* 8 | Olivia | 31 | 2222222222 | 1700 | 85
* 9 | James | 29 | 8888888888 | 1400 | 70
* 10 | Emily | 33 | 3333333333 | 2200 | 110
*
*****
Press any keys to return to main customer menu

```

Task 2: add items

Manage food items:

```

*****
*
*                               Product Database
*
*****
*
* no. | name | stock | price | manufacturing date | expiry date
*
* 1 | chicken | 10 | 30 | 22/10/2023 | 22/10/2024
* 2 | beef | 15 | 20 | 15/11/2023 | 15/11/2024
* 3 | pork | 12 | 25 | 18/12/2023 | 18/12/2024
* 4 | fish | 8 | 40 | 05/09/2023 | 05/09/2024
* 5 | vegetables | 5 | 50 | 30/11/2023 | 30/11/2024
* 6 | fruits | 6 | 60 | 12/12/2023 | 12/12/2024
* 7 | bread | 3 | 70 | 01/01/2023 | 01/01/2024
* 8 | milk | 2 | 80 | 02/02/2023 | 02/02/2024
* 9 | cheese | 4 | 90 | 03/03/2023 | 03/03/2024
* 10 | eggs | 1 | 100 | 04/04/2023 | 04/04/2024
*
*****
Enter name or q to back: chilly
Enter stock or q to back: 13141
Enter price or q to back: 1414
Enter manufacturing date or q to back: 08/08/2008
Enter expiry date or q to back: 09/09/2009

Add item successfully!

Press r to refresh the list, any keys to return to product menu

```

```

*****
*
*                               Product Database
*
*****
*
* no. | name | stock | price | manufacturing date | expiry date |
*
* 1 | chicken | 10 | 30 | 22/10/2023 | 22/10/2024 |
* 2 | beef | 15 | 20 | 15/11/2023 | 15/11/2024 |
* 3 | pork | 12 | 25 | 18/12/2023 | 18/12/2024 |
* 4 | fish | 8 | 40 | 05/09/2023 | 05/09/2024 |
* 5 | vegetables | 5 | 50 | 30/11/2023 | 30/11/2024 |
* 6 | fruits | 6 | 60 | 12/12/2023 | 12/12/2024 |
* 7 | bread | 3 | 70 | 01/01/2023 | 01/01/2024 |
* 8 | milk | 2 | 80 | 02/02/2023 | 02/02/2024 |
* 9 | cheese | 4 | 90 | 03/03/2023 | 03/03/2024 |
* 10 | eggs | 1 | 100 | 04/04/2023 | 04/04/2024 |
* 11 | chilly | 13141 | 1414 | 08/08/2008 | 09/09/2009 |
*
*****

```

Press any keys to return to product menu

Errors:

```

*****
*
*                               Product Database
*
*****
*
* no. | name | stock | price | manufacturing date | expiry date |
*
* 1 | chicken | 10 | 30 | 22/10/2023 | 22/10/2024 |
* 2 | beef | 15 | 20 | 15/11/2023 | 15/11/2024 |
* 3 | pork | 12 | 25 | 18/12/2023 | 18/12/2024 |
* 4 | fish | 8 | 40 | 05/09/2023 | 05/09/2024 |
* 5 | vegetables | 5 | 50 | 30/11/2023 | 30/11/2024 |
* 6 | fruits | 6 | 60 | 12/12/2023 | 12/12/2024 |
* 7 | bread | 3 | 70 | 01/01/2023 | 01/01/2024 |
* 8 | milk | 2 | 80 | 02/02/2023 | 02/02/2024 |
* 9 | cheese | 4 | 90 | 03/03/2023 | 03/03/2024 |
* 10 | eggs | 1 | 100 | 04/04/2023 | 04/04/2024 |
* 11 | chilly | 13141 | 1414 | 08/08/2008 | 09/09/2009 |
*
*****

```

Enter name or q to back: species
Enter stock or q to back: 131
Enter price or q to back: 157
Enter manufacturing date or q to back: 08082008
Enter expiry date or q to back: 09092009

Please check the input!

Do you want to retry? (yes/no) (press y or n)

Manage customers:

```
*****
*                                     Customer Database                                     *
*****
* no. | name | age | phone number | acconut balance | bonus point | *
* 1 | John | 25 | 1234567890 | 1000 | 50 | *
* 2 | Alice | 30 | 9876543210 | 2000 | 100 | *
* 3 | Bob | 35 | 5555555555 | 1500 | 75 | *
* 4 | Emma | 28 | 9999999999 | 1800 | 90 | *
* 5 | Michael | 40 | 1111111111 | 1200 | 60 | *
* 6 | Sophia | 32 | 4444444444 | 2500 | 125 | *
* 7 | William | 27 | 6666666666 | 900 | 45 | *
* 8 | Olivia | 31 | 2222222222 | 1700 | 85 | *
* 9 | James | 29 | 8888888888 | 1400 | 70 | *
* 10 | Emily | 33 | 3333333333 | 2200 | 110 | *
*****

Enter name or q to back: Nguyen A
Enter age or q to back: 14
Enter phone number or q to back: 0867898808
Enter acconut balance or q to back: 1421314
Enter bonus point or q to back: 1451

Add item successfully!

Press r to refresh the list, any keys to return to customer menu
```

```

*****
*
*                               Customer Database
*
*****
*
* no. | name | age | phone number | acconut balance | bonus point
*
* 1 | John | 25 | 1234567890 | 1000 | 50
* 2 | Alice | 30 | 9876543210 | 2000 | 100
* 3 | Bob | 35 | 5555555555 | 1500 | 75
* 4 | Emma | 28 | 9999999999 | 1800 | 90
* 5 | Michael | 40 | 1111111111 | 1200 | 60
* 6 | Sophia | 32 | 4444444444 | 2500 | 125
* 7 | William | 27 | 6666666666 | 900 | 45
* 8 | Olivia | 31 | 2222222222 | 1700 | 85
* 9 | James | 29 | 8888888888 | 1400 | 70
* 10 | Emily | 33 | 3333333333 | 2200 | 110
* 11 | Nguyen A | 14 | 0867898808 | 1421314 | 1451
*
*****
Press any keys to return to customer menu

```

Errors:

```

*****
*
*                               Customer Database
*
*****
*
* no. | name | age | phone number | acconut balance | bonus point
*
* 1 | John | 25 | 1234567890 | 1000 | 50
* 2 | Alice | 30 | 9876543210 | 2000 | 100
* 3 | Bob | 35 | 5555555555 | 1500 | 75
* 4 | Emma | 28 | 9999999999 | 1800 | 90
* 5 | Michael | 40 | 1111111111 | 1200 | 60
* 6 | Sophia | 32 | 4444444444 | 2500 | 125
* 7 | William | 27 | 6666666666 | 900 | 45
* 8 | Olivia | 31 | 2222222222 | 1700 | 85
* 9 | James | 29 | 8888888888 | 1400 | 70
* 10 | Emily | 33 | 3333333333 | 2200 | 110
* 11 | Nguyen A | 14 | 0867898808 | 1421314 | 1451
*
*****
Enter name or q to back: Le B
Enter age or q to back: muoi hai tuoi
Enter phone number or q to back: 1231123123
Enter acconut balance or q to back: 756483
Enter bonus point or q to back: 23131

Please check the input!

Do you want to retry? (yes/no) (press y or n)

```

TASK 3: SORT ALL ITEMS

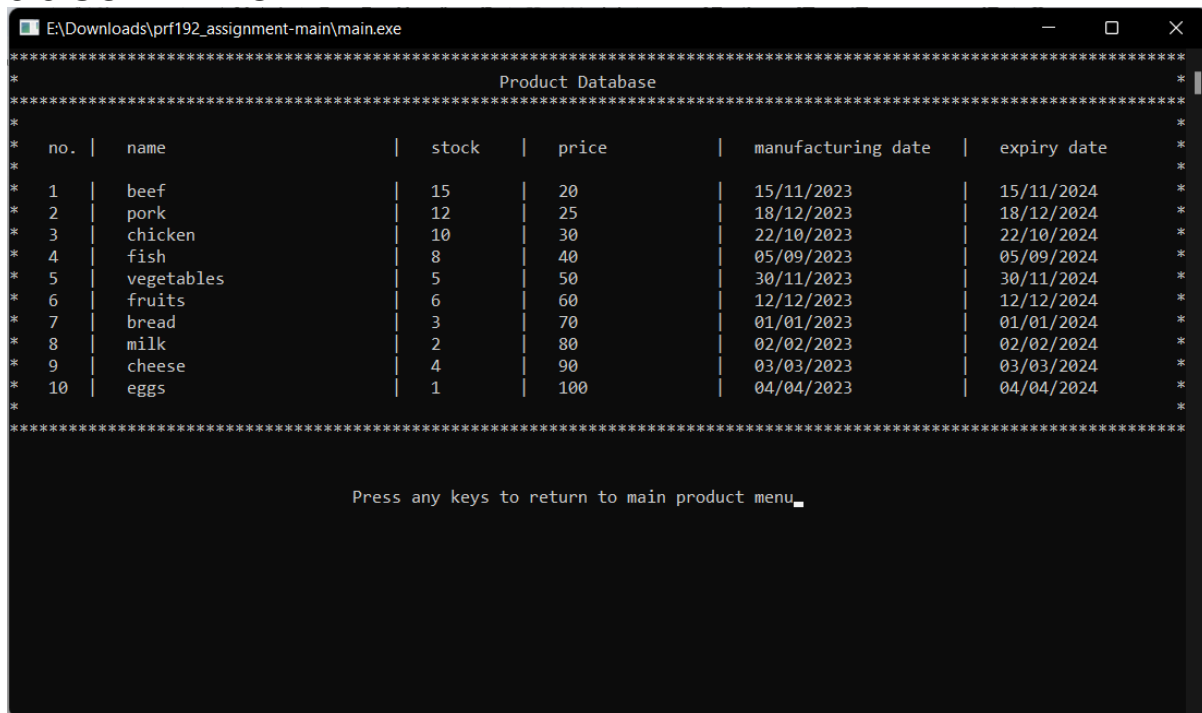
3.1 SORT NAMES


```
E:\Downloads\prf192_assignment-main\main.exe
*****
*                                     Product Database                               *
*****
* no. | name | stock | price | manufacturing date | expiry date |
* 1 | beef | 15 | 20 | 15/11/2023 | 15/11/2024 |
* 2 | bread | 3 | 70 | 01/01/2023 | 01/01/2024 |
* 3 | cheese | 4 | 90 | 03/03/2023 | 03/03/2024 |
* 4 | chicken | 10 | 30 | 22/10/2023 | 22/10/2024 |
* 5 | eggs | 1 | 100 | 04/04/2023 | 04/04/2024 |
* 6 | fish | 8 | 40 | 05/09/2023 | 05/09/2024 |
* 7 | fruits | 6 | 60 | 12/12/2023 | 12/12/2024 |
* 8 | milk | 2 | 80 | 02/02/2023 | 02/02/2024 |
* 9 | pork | 12 | 25 | 18/12/2023 | 18/12/2024 |
* 10 | vegetables | 5 | 50 | 30/11/2023 | 30/11/2024 |
*****
Press any keys to return to main product menu
```

3.2 SORT STOCK

```
E:\Downloads\prf192_assignment-main\main.exe
*****
*                                     Product Database                               *
*****
* no. | name | stock | price | manufacturing date | expiry date |
* 1 | eggs | 1 | 100 | 04/04/2023 | 04/04/2024 |
* 2 | milk | 2 | 80 | 02/02/2023 | 02/02/2024 |
* 3 | bread | 3 | 70 | 01/01/2023 | 01/01/2024 |
* 4 | cheese | 4 | 90 | 03/03/2023 | 03/03/2024 |
* 5 | vegetables | 5 | 50 | 30/11/2023 | 30/11/2024 |
* 6 | fruits | 6 | 60 | 12/12/2023 | 12/12/2024 |
* 7 | fish | 8 | 40 | 05/09/2023 | 05/09/2024 |
* 8 | chicken | 10 | 30 | 22/10/2023 | 22/10/2024 |
* 9 | pork | 12 | 25 | 18/12/2023 | 18/12/2024 |
* 10 | beef | 15 | 20 | 15/11/2023 | 15/11/2024 |
*****
Press any keys to return to main product menu_
```

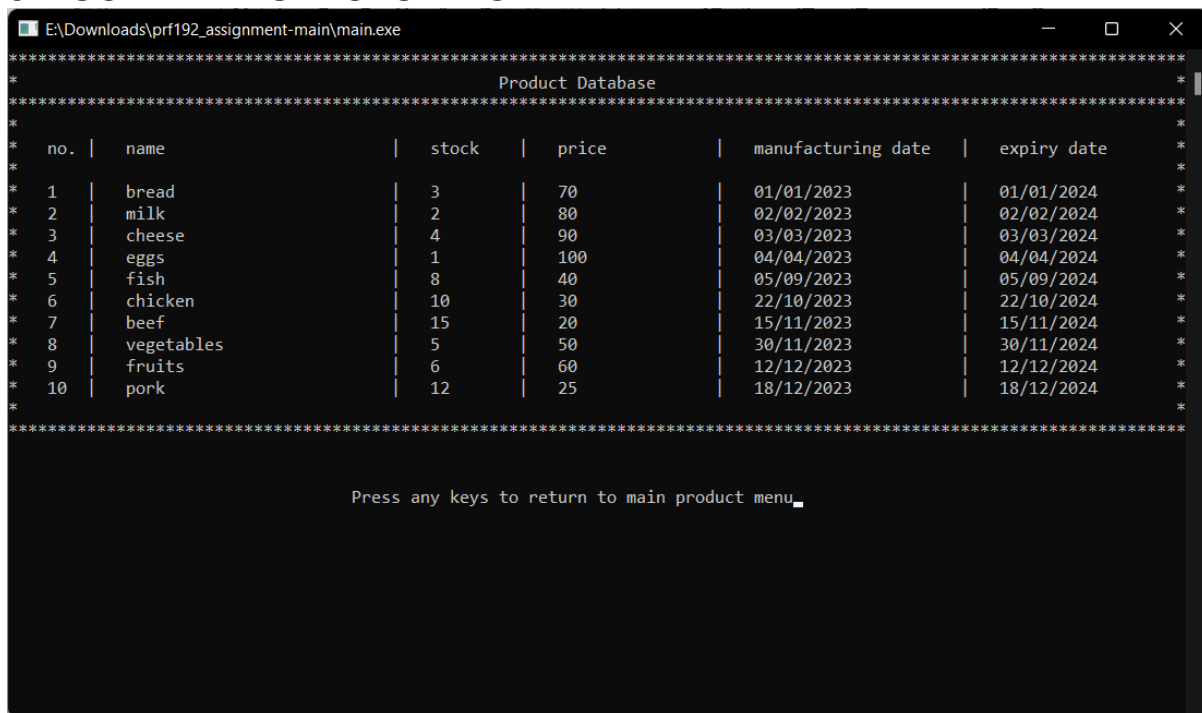
3.3 SORT PRICE



```
*****
*                                     Product Database                               *
*****
* no. | name | stock | price | manufacturing date | expiry date |
*-----|-----|-----|-----|-----|-----|
* 1 | beef | 15 | 20 | 15/11/2023 | 15/11/2024 |
* 2 | pork | 12 | 25 | 18/12/2023 | 18/12/2024 |
* 3 | chicken | 10 | 30 | 22/10/2023 | 22/10/2024 |
* 4 | fish | 8 | 40 | 05/09/2023 | 05/09/2024 |
* 5 | vegetables | 5 | 50 | 30/11/2023 | 30/11/2024 |
* 6 | fruits | 6 | 60 | 12/12/2023 | 12/12/2024 |
* 7 | bread | 3 | 70 | 01/01/2023 | 01/01/2024 |
* 8 | milk | 2 | 80 | 02/02/2023 | 02/02/2024 |
* 9 | cheese | 4 | 90 | 03/03/2023 | 03/03/2024 |
* 10 | eggs | 1 | 100 | 04/04/2023 | 04/04/2024 |
*****
Press any keys to return to main product menu.
```

no.	name	stock	price	manufacturing date	expiry date
1	beef	15	20	15/11/2023	15/11/2024
2	pork	12	25	18/12/2023	18/12/2024
3	chicken	10	30	22/10/2023	22/10/2024
4	fish	8	40	05/09/2023	05/09/2024
5	vegetables	5	50	30/11/2023	30/11/2024
6	fruits	6	60	12/12/2023	12/12/2024
7	bread	3	70	01/01/2023	01/01/2024
8	milk	2	80	02/02/2023	02/02/2024
9	cheese	4	90	03/03/2023	03/03/2024
10	eggs	1	100	04/04/2023	04/04/2024

3.4 SORT MANUFACTURING DATE



```
*****
*                                     Product Database                               *
*****
* no. | name | stock | price | manufacturing date | expiry date |
*-----|-----|-----|-----|-----|-----|
* 1 | bread | 3 | 70 | 01/01/2023 | 01/01/2024 |
* 2 | milk | 2 | 80 | 02/02/2023 | 02/02/2024 |
* 3 | cheese | 4 | 90 | 03/03/2023 | 03/03/2024 |
* 4 | eggs | 1 | 100 | 04/04/2023 | 04/04/2024 |
* 5 | fish | 8 | 40 | 05/09/2023 | 05/09/2024 |
* 6 | chicken | 10 | 30 | 22/10/2023 | 22/10/2024 |
* 7 | beef | 15 | 20 | 15/11/2023 | 15/11/2024 |
* 8 | vegetables | 5 | 50 | 30/11/2023 | 30/11/2024 |
* 9 | fruits | 6 | 60 | 12/12/2023 | 12/12/2024 |
* 10 | pork | 12 | 25 | 18/12/2023 | 18/12/2024 |
*****
Press any keys to return to main product menu.
```

no.	name	stock	price	manufacturing date	expiry date
1	bread	3	70	01/01/2023	01/01/2024
2	milk	2	80	02/02/2023	02/02/2024
3	cheese	4	90	03/03/2023	03/03/2024
4	eggs	1	100	04/04/2023	04/04/2024
5	fish	8	40	05/09/2023	05/09/2024
6	chicken	10	30	22/10/2023	22/10/2024
7	beef	15	20	15/11/2023	15/11/2024
8	vegetables	5	50	30/11/2023	30/11/2024
9	fruits	6	60	12/12/2023	12/12/2024
10	pork	12	25	18/12/2023	18/12/2024

3.5 SORT EXPIRY DATE

```
E:\Downloads\prf192_assignment-main\main.exe
*****
*                                     Product Database                               *
*****
*
* no. | name | stock | price | manufacturing date | expiry date |
*
* 1 | bread | 3 | 70 | 01/01/2023 | 01/01/2024 |
* 2 | milk | 2 | 80 | 02/02/2023 | 02/02/2024 |
* 3 | cheese | 4 | 90 | 03/03/2023 | 03/03/2024 |
* 4 | eggs | 1 | 100 | 04/04/2023 | 04/04/2024 |
* 5 | fish | 8 | 40 | 05/09/2023 | 05/09/2024 |
* 6 | chicken | 10 | 30 | 22/10/2023 | 22/10/2024 |
* 7 | beef | 15 | 20 | 15/11/2023 | 15/11/2024 |
* 8 | vegetables | 5 | 50 | 30/11/2023 | 30/11/2024 |
* 9 | fruits | 6 | 60 | 12/12/2023 | 12/12/2024 |
* 10 | pork | 12 | 25 | 18/12/2023 | 18/12/2024 |
*
*****

Press any keys to return to main product menu
```

3.5 ERROR VALID

```
E:\Downloads\prf192_assignment-main\main.exe
*****
*                                     Product Database                               *
*****
*
* no. | name | stock | price | manufacturing date | expiry date |
*
* 1 | bread | 3 | 70 | 01/01/2023 | 01/01/2024 |
* 2 | milk | 2 | 80 | 02/02/2023 | 02/02/2024 |
* 3 | cheese | 4 | 90 | 03/03/2023 | 03/03/2024 |
* 4 | eggs | 1 | 100 | 04/04/2023 | 04/04/2024 |
* 5 | fish | 8 | 40 | 05/09/2023 | 05/09/2024 |
* 6 | chicken | 10 | 30 | 22/10/2023 | 22/10/2024 |
* 7 | beef | 15 | 20 | 15/11/2023 | 15/11/2024 |
* 8 | vegetables | 5 | 50 | 30/11/2023 | 30/11/2024 |
* 9 | fruits | 6 | 60 | 12/12/2023 | 12/12/2024 |
* 10 | pork | 12 | 25 | 18/12/2023 | 18/12/2024 |
*
*****

1. name
2. stock
3. price
4. manufacturing date
5. expiry date
6. back

Which field do you want to sort (Press a listed number)_
```

TASK 4: Search item by field


```
C:\Users\ADMIN\OneDrive\Documents\code\prf192_assignment\main.exe
*****
*                                     Product Database                                     *
*****
*
* no. | name | stock | price | manufacturing date | expiry date |
*
* 1 | chicken | 10 | 30 | 22/10/2023 | 22/10/2024 |
* 2 | beef | 15 | 20 | 15/11/2023 | 15/11/2024 |
* 3 | pork | 12 | 25 | 18/12/2023 | 18/12/2024 |
* 4 | fish | 8 | 40 | 05/09/2023 | 05/09/2024 |
* 5 | vegetables | 5 | 50 | 30/11/2023 | 30/11/2024 |
* 6 | fruits | 6 | 60 | 12/12/2023 | 12/12/2024 |
* 7 | bread | 3 | 70 | 01/01/2023 | 01/01/2024 |
* 8 | milk | 2 | 80 | 02/02/2023 | 02/02/2024 |
* 9 | cheese | 4 | 90 | 03/03/2023 | 03/03/2024 |
* 10 | eggs | 1 | 100 | 04/04/2023 | 04/04/2024 |
*
*****
1. name
2. stock
3. price
4. manufacturing date
5. expiry date
6. back

Which field do you want to search (Press a listed number)
```

1. Name

```
C:\Users\ADMIN\OneDrive\Documents\code\prf192_assignment\main.exe
*****
*                                     Product Database                               *
*****
* no. | name | stock | price | manufacturing date | expiry date |
* 1 | chicken | 10 | 30 | 22/10/2023 | 22/10/2024 |
* 2 | beef | 15 | 20 | 15/11/2023 | 15/11/2024 |
* 3 | pork | 12 | 25 | 18/12/2023 | 18/12/2024 |
* 4 | fish | 8 | 40 | 05/09/2023 | 05/09/2024 |
* 5 | vegetables | 5 | 50 | 30/11/2023 | 30/11/2024 |
* 6 | fruits | 6 | 60 | 12/12/2023 | 12/12/2024 |
* 7 | bread | 3 | 70 | 01/01/2023 | 01/01/2024 |
* 8 | milk | 2 | 80 | 02/02/2023 | 02/02/2024 |
* 9 | cheese | 4 | 90 | 03/03/2023 | 03/03/2024 |
* 10 | eggs | 1 | 100 | 04/04/2023 | 04/04/2024 |
*****

1. name
2. stock
3. price
4. manufacturing date
5. expiry date
6. back

Which field do you want to search (Press a listed number)

Enter name to search or q to go back: beef

C:\Users\ADMIN\OneDrive\Documents\code\prf192_assignment\main.exe
*****
*                                     Product Search List                           *
*****
* no. | name | stock | price | manufacturing date | expiry date |
* 1 | beef | 15 | 20 | 15/11/2023 | 15/11/2024 |
*****

Press r to search again, any p to return to product menu_
```

2. stock

```
C:\Users\ADMIN\OneDrive\Documents\code\prf192_assignment\main.exe
*****
*                                     Product Database                               *
*****
* no. | name | stock | price | manufacturing date | expiry date |
* 1 | chicken | 10 | 30 | 22/10/2023 | 22/10/2024 |
* 2 | beef | 15 | 20 | 15/11/2023 | 15/11/2024 |
* 3 | pork | 12 | 25 | 18/12/2023 | 18/12/2024 |
* 4 | fish | 8 | 40 | 05/09/2023 | 05/09/2024 |
* 5 | vegetables | 5 | 50 | 30/11/2023 | 30/11/2024 |
* 6 | fruits | 6 | 60 | 12/12/2023 | 12/12/2024 |
* 7 | bread | 3 | 70 | 01/01/2023 | 01/01/2024 |
* 8 | milk | 2 | 80 | 02/02/2023 | 02/02/2024 |
* 9 | cheese | 4 | 90 | 03/03/2023 | 03/03/2024 |
* 10 | eggs | 1 | 100 | 04/04/2023 | 04/04/2024 |
*****
1. name
2. stock
3. price
4. manufacturing date
5. expiry date
6. back

Which field do you want to search (Press a listed number)

Enter stock to search or q to go back: 12_

C:\Users\ADMIN\OneDrive\Documents\code\prf192_assignment\main.exe
*****
*                                     Product Search List                           *
*****
* no. | name | stock | price | manufacturing date | expiry date |
* 1 | pork | 12 | 25 | 18/12/2023 | 18/12/2024 |
*****

Press r to search again, any p to return to product menu
```

3. price

```
C:\Users\ADMIN\OneDrive\Documents\code\prf192_assignment\main.exe
*****
*                                     Product Database                               *
*****
* no. | name | stock | price | manufacturing date | expiry date |
* 1 | chicken | 10 | 30 | 22/10/2023 | 22/10/2024 |
* 2 | beef | 15 | 20 | 15/11/2023 | 15/11/2024 |
* 3 | pork | 12 | 25 | 18/12/2023 | 18/12/2024 |
* 4 | fish | 8 | 40 | 05/09/2023 | 05/09/2024 |
* 5 | vegetables | 5 | 50 | 30/11/2023 | 30/11/2024 |
* 6 | fruits | 6 | 60 | 12/12/2023 | 12/12/2024 |
* 7 | bread | 3 | 70 | 01/01/2023 | 01/01/2024 |
* 8 | milk | 2 | 80 | 02/02/2023 | 02/02/2024 |
* 9 | cheese | 4 | 90 | 03/03/2023 | 03/03/2024 |
* 10 | eggs | 1 | 100 | 04/04/2023 | 04/04/2024 |
*****
1. name
2. stock
3. price
4. manufacturing date
5. expiry date
6. back

Which field do you want to search (Press a listed number)

Enter price to search or q to go back: 30_

C:\Users\ADMIN\OneDrive\Documents\code\prf192_assignment\main.exe
*****
*                                     Product Search List                           *
*****
* no. | name | stock | price | manufacturing date | expiry date |
* 1 | chicken | 10 | 30 | 22/10/2023 | 22/10/2024 |
*****

Press r to search again, any p to return to product menu
```

4. manufacturing date

```
C:\Users\ADMIN\OneDrive\Documents\code\prf192_assignment\main.exe

*****
*                                     Product Database                               *
*****
* no. | name | stock | price | manufacturing date | expiry date |
* 1 | chicken | 10 | 30 | 22/10/2023 | 22/10/2024 |
* 2 | beef | 15 | 20 | 15/11/2023 | 15/11/2024 |
* 3 | pork | 12 | 25 | 18/12/2023 | 18/12/2024 |
* 4 | fish | 8 | 40 | 05/09/2023 | 05/09/2024 |
* 5 | vegetables | 5 | 50 | 30/11/2023 | 30/11/2024 |
* 6 | fruits | 6 | 60 | 12/12/2023 | 12/12/2024 |
* 7 | bread | 3 | 70 | 01/01/2023 | 01/01/2024 |
* 8 | milk | 2 | 80 | 02/02/2023 | 02/02/2024 |
* 9 | cheese | 4 | 90 | 03/03/2023 | 03/03/2024 |
* 10 | eggs | 1 | 100 | 04/04/2023 | 04/04/2024 |
*****

1. name
2. stock
3. price
4. manufacturing date
5. expiry date
6. back

Which field do you want to search (Press a listed number)

Enter manufacturing date to search or q to go back: 02/02/2023

C:\Users\ADMIN\OneDrive\Documents\code\prf192_assignment\main.exe

*****
*                                     Product Search List                               *
*****
* no. | name | stock | price | manufacturing date | expiry date |
* 1 | milk | 2 | 80 | 02/02/2023 | 02/02/2024 |
*****

Press r to search again, any p to return to product menu
```

5. expiry date

```
C:\Users\ADMIN\OneDrive\Documents\code\prf192_assignment\main.exe
*****
*                                     Product Database                               *
*****
* no. | name | stock | price | manufacturing date | expiry date |
* 1 | chicken | 10 | 30 | 22/10/2023 | 22/10/2024 |
* 2 | beef | 15 | 20 | 15/11/2023 | 15/11/2024 |
* 3 | pork | 12 | 25 | 18/12/2023 | 18/12/2024 |
* 4 | fish | 8 | 40 | 05/09/2023 | 05/09/2024 |
* 5 | vegetables | 5 | 50 | 30/11/2023 | 30/11/2024 |
* 6 | fruits | 6 | 60 | 12/12/2023 | 12/12/2024 |
* 7 | bread | 3 | 70 | 01/01/2023 | 01/01/2024 |
* 8 | milk | 2 | 80 | 02/02/2023 | 02/02/2024 |
* 9 | cheese | 4 | 90 | 03/03/2023 | 03/03/2024 |
* 10 | eggs | 1 | 100 | 04/04/2023 | 04/04/2024 |
*****

1. name
2. stock
3. price
4. manufacturing date
5. expiry date
6. back

Which field do you want to search (Press a listed number)

Enter expiry date to search or q to go back: 30/11/2024_

C:\Users\ADMIN\OneDrive\Documents\code\prf192_assignment\main.exe
*****
*                                     Product Search List                           *
*****
* no. | name | stock | price | manufacturing date | expiry date |
* 1 | vegetables | 5 | 50 | 30/11/2023 | 30/11/2024 |
*****

Press r to search again, any p to return to product menu_
```


6. Not found an item

```
C:\Users\ADMIN\OneDrive\Documents\code\prf192_assignment\main.exe
*****
*                                     Product Database                                     *
*****
* no. | name | stock | price | manufacturing date | expiry date |
* 1 | chicken | 10 | 30 | 22/10/2023 | 22/10/2024 |
* 2 | beef | 15 | 20 | 15/11/2023 | 15/11/2024 |
* 3 | pork | 12 | 25 | 18/12/2023 | 18/12/2024 |
* 4 | fish | 8 | 40 | 05/09/2023 | 05/09/2024 |
* 5 | vegetables | 5 | 50 | 30/11/2023 | 30/11/2024 |
* 6 | fruits | 6 | 60 | 12/12/2023 | 12/12/2024 |
* 7 | bread | 3 | 70 | 01/01/2023 | 01/01/2024 |
* 8 | milk | 2 | 80 | 02/02/2023 | 02/02/2024 |
* 9 | cheese | 4 | 90 | 03/03/2023 | 03/03/2024 |
* 10 | eggs | 1 | 100 | 04/04/2023 | 04/04/2024 |
*****

1. name
2. stock
3. price
4. manufacturing date
5. expiry date
6. back

Which field do you want to search (Press a listed number)

Enter name to search or q to go back: dani_

C:\Users\ADMIN\OneDrive\Documents\code\prf192_assignment\main.exe
*****
*                                     Product Search List                               *
*****
* no. | name | stock | price | manufacturing date | expiry date |
*
*
*****

Not found!

Press r to search again, any p to return to product menu
```

S

TASK 5: Export data to a text file.


```
E:\Downloads\prf192_assignment-main\main.exe
*****
*                                     Product Database                                     *
*****
* no. | name | stock | price | manufacturing date | expiry date |
* 1 | chicken | 10 | 30 | 22/10/2023 | 22/10/2024 |
* 2 | beef | 15 | 20 | 15/11/2023 | 15/11/2024 |
* 3 | pork | 12 | 25 | 18/12/2023 | 18/12/2024 |
* 4 | fish | 8 | 40 | 05/09/2023 | 05/09/2024 |
* 5 | vegetables | 5 | 50 | 30/11/2023 | 30/11/2024 |
* 6 | fruits | 6 | 60 | 12/12/2023 | 12/12/2024 |
* 7 | bread | 3 | 70 | 01/01/2023 | 01/01/2024 |
* 8 | milk | 2 | 80 | 02/02/2023 | 02/02/2024 |
* 9 | cheese | 4 | 90 | 03/03/2023 | 03/03/2024 |
* 10 | eggs | 1 | 100 | 04/04/2023 | 04/04/2024 |
*****
Numbers of records: 10

Press p to return to product menu
```

5.2 OPEN THE FILE IN DISPLAY ON EXPLORER

Name	Date modified	Type	Size
customer database	3/15/2024 9:35 AM	Text Document	3 KB
product database	3/15/2024 10:35 AM	Text Document	3 KB

TASK 6: DELETE MATCHED ITEM

6.1 ERROR OPTION:

```
C:\A18D\MENUAssignment.exe

*****
***** Product Database *****
*****
* no. | name | stock | price | manufacturing date | expiry date
*
* 1 | chicken | 10 | 30 | 22/10/2023 | 22/10/2024
* 2 | beef | 15 | 20 | 15/11/2023 | 15/11/2024
* 3 | pork | 12 | 25 | 18/12/2023 | 18/12/2024
* 4 | fish | 8 | 40 | 05/09/2023 | 05/09/2024
* 5 | vegetables | 5 | 50 | 30/11/2023 | 30/11/2024
* 6 | fruits | 6 | 60 | 12/12/2023 | 12/12/2024
* 7 | bread | 3 | 70 | 01/01/2023 | 01/01/2024
* 8 | milk | 2 | 80 | 02/02/2023 | 02/02/2024
* 9 | cheese | 4 | 90 | 03/03/2023 | 03/03/2024
* 10 | eggs | 1 | 100 | 04/04/2023 | 04/04/2024
*
*****
1. name
2. stock
3. price
4. manufacturing date
5. expiry date
6. back

Which field do you want an item to delete in (Press a listed number)

Enter a valid option!
```

6.2 DELETE NAME:

Before

```
C:\A18D\MENUAssignment.exe

*****
***** Product Database *****
*****
* no. | name | stock | price | manufacturing date | expiry date
*
* 1 | chicken | 10 | 30 | 22/10/2023 | 22/10/2024
* 2 | beef | 15 | 20 | 15/11/2023 | 15/11/2024
* 3 | pork | 12 | 25 | 18/12/2023 | 18/12/2024
* 4 | fish | 8 | 40 | 05/09/2023 | 05/09/2024
* 5 | vegetables | 5 | 50 | 30/11/2023 | 30/11/2024
* 6 | fruits | 6 | 60 | 12/12/2023 | 12/12/2024
* 7 | bread | 3 | 70 | 01/01/2023 | 01/01/2024
* 8 | milk | 2 | 80 | 02/02/2023 | 02/02/2024
* 9 | cheese | 4 | 90 | 03/03/2023 | 03/03/2024
* 10 | eggs | 1 | 100 | 04/04/2023 | 04/04/2024
*
*****
1. name
2. stock
3. price
4. manufacturing date
5. expiry date
6. back

Which field do you want an item to delete in (Press a listed number)

Enter name to search or q to go back: chicken_
```

After

```
C:\IA18D\MENUasigment.exe

*****
*                                     Product Database                               *
*****
* no. | name | stock | price | manufacturing date | expiry date |
* 1 | beef | 15 | 20 | 15/11/2023 | 15/11/2024 |
* 2 | pork | 12 | 25 | 18/12/2023 | 18/12/2024 |
* 3 | fish | 8 | 40 | 05/09/2023 | 05/09/2024 |
* 4 | vegetables | 5 | 50 | 30/11/2023 | 30/11/2024 |
* 5 | fruits | 6 | 60 | 12/12/2023 | 12/12/2024 |
* 6 | bread | 3 | 70 | 01/01/2023 | 01/01/2024 |
* 7 | milk | 2 | 80 | 02/02/2023 | 02/02/2024 |
* 8 | cheese | 4 | 90 | 03/03/2023 | 03/03/2024 |
* 9 | eggs | 1 | 100 | 04/04/2023 | 04/04/2024 |
*****

1. name
2. stock
3. price
4. manufacturing date
5. expiry date
6. back

Which field do you want an item to delete in (Press a listed number)
```

6.3 DELETE STOCK

Before

```
C:\IA18D\MENUasigment.exe

*****
*                                     Product Database                               *
*****
* no. | name | stock | price | manufacturing date | expiry date |
* 1 | beef | 15 | 20 | 15/11/2023 | 15/11/2024 |
* 2 | pork | 12 | 25 | 18/12/2023 | 18/12/2024 |
* 3 | fish | 8 | 40 | 05/09/2023 | 05/09/2024 |
* 4 | vegetables | 5 | 50 | 30/11/2023 | 30/11/2024 |
* 5 | fruits | 6 | 60 | 12/12/2023 | 12/12/2024 |
* 6 | bread | 3 | 70 | 01/01/2023 | 01/01/2024 |
* 7 | milk | 2 | 80 | 02/02/2023 | 02/02/2024 |
* 8 | cheese | 4 | 90 | 03/03/2023 | 03/03/2024 |
* 9 | eggs | 1 | 100 | 04/04/2023 | 04/04/2024 |
*****

1. name
2. stock
3. price
4. manufacturing date
5. expiry date
6. back

Which field do you want an item to delete in (Press a listed number)

Enter stock to search or q to go back: 15
```

After

```
C:\A18D\MENUasigment.exe

*****
*                                     Product Database                               *
*****
* no. | name | stock | price | manufacturing date | expiry date |
* 1 | pork | 12 | 25 | 18/12/2023 | 18/12/2024 |
* 2 | fish | 8 | 40 | 05/09/2023 | 05/09/2024 |
* 3 | vegetables | 5 | 50 | 30/11/2023 | 30/11/2024 |
* 4 | fruits | 6 | 60 | 12/12/2023 | 12/12/2024 |
* 5 | bread | 3 | 70 | 01/01/2023 | 01/01/2024 |
* 6 | milk | 2 | 80 | 02/02/2023 | 02/02/2024 |
* 7 | cheese | 4 | 90 | 03/03/2023 | 03/03/2024 |
* 8 | eggs | 1 | 100 | 04/04/2023 | 04/04/2024 |
*
*****

1. name
2. stock
3. price
4. manufacturing date
5. expiry date
6. back

Which field do you want an item to delete in (Press a listed number)

Enter expiry date to search or q to go back:
```

6.4 DELETE PRICE

Before

```
C:\A18D\MENUasigment.exe

*****
*                                     Product Database                               *
*****
* no. | name | stock | price | manufacturing date | expiry date |
* 1 | pork | 12 | 25 | 18/12/2023 | 18/12/2024 |
* 2 | fish | 8 | 40 | 05/09/2023 | 05/09/2024 |
* 3 | vegetables | 5 | 50 | 30/11/2023 | 30/11/2024 |
* 4 | fruits | 6 | 60 | 12/12/2023 | 12/12/2024 |
* 5 | bread | 3 | 70 | 01/01/2023 | 01/01/2024 |
* 6 | milk | 2 | 80 | 02/02/2023 | 02/02/2024 |
* 7 | cheese | 4 | 90 | 03/03/2023 | 03/03/2024 |
* 8 | eggs | 1 | 100 | 04/04/2023 | 04/04/2024 |
*
*****

1. name
2. stock
3. price
4. manufacturing date
5. expiry date
6. back

Which field do you want an item to delete in (Press a listed number)

Enter price to search or q to go back: 60
```

After


```
C:\IA18D\MENU\assignment.exe
*****
*                                     Product Database                                     *
*****
* no. | name | stock | price | manufacturing date | expiry date |
* 1 | pork | 12 | 25 | 18/12/2023 | 18/12/2024 |
* 2 | fish | 8 | 40 | 05/09/2023 | 05/09/2024 |
* 3 | vegetables | 5 | 50 | 30/11/2023 | 30/11/2024 |
* 4 | bread | 3 | 70 | 01/01/2023 | 01/01/2024 |
* 5 | milk | 2 | 80 | 02/02/2023 | 02/02/2024 |
* 6 | cheese | 4 | 90 | 03/03/2023 | 03/03/2024 |
* 7 | eggs | 1 | 100 | 04/04/2023 | 04/04/2024 |
*
*****
1. name
2. stock
3. price
4. manufacturing date
5. expiry date
6. back

Which field do you want an item to delete in (Press a listed number)_
```

6.5 DELETE MANUFACTURING DATE

Before

```
C:\IA18D\MENU\assignment.exe
*****
*                                     Product Database                                     *
*****
* no. | name | stock | price | manufacturing date | expiry date |
* 1 | pork | 12 | 25 | 18/12/2023 | 18/12/2024 |
* 2 | fish | 8 | 40 | 05/09/2023 | 05/09/2024 |
* 3 | vegetables | 5 | 50 | 30/11/2023 | 30/11/2024 |
* 4 | bread | 3 | 70 | 01/01/2023 | 01/01/2024 |
* 5 | milk | 2 | 80 | 02/02/2023 | 02/02/2024 |
* 6 | cheese | 4 | 90 | 03/03/2023 | 03/03/2024 |
* 7 | eggs | 1 | 100 | 04/04/2023 | 04/04/2024 |
*
*****
1. name
2. stock
3. price
4. manufacturing date
5. expiry date
6. back

Which field do you want an item to delete in (Press a listed number)

Enter manufacturing date to search or q to go back: 18/12/2023
```

After

```
C:\IA18D\MENU\assignment.exe

*****
*                                     Product Database                                     *
*****
* no. | name | stock | price | manufacturing date | expiry date | *
* 1 | fish | 8 | 40 | 05/09/2023 | 05/09/2024 | *
* 2 | vegetables | 5 | 50 | 30/11/2023 | 30/11/2024 | *
* 3 | bread | 3 | 70 | 01/01/2023 | 01/01/2024 | *
* 4 | milk | 2 | 80 | 02/02/2023 | 02/02/2024 | *
* 5 | cheese | 4 | 90 | 03/03/2023 | 03/03/2024 | *
* 6 | eggs | 1 | 100 | 04/04/2023 | 04/04/2024 | *
*****

1. name
2. stock
3. price
4. manufacturing date
5. expiry date
6. back

Which field do you want an item to delete in (Press a listed number)
```

6.6 DELETE EXPIRY DATE

Before

```
C:\IA18D\MENU\assignment.exe

*****
*                                     Product Database                                     *
*****
* no. | name | stock | price | manufacturing date | expiry date | *
* 1 | fish | 8 | 40 | 05/09/2023 | 05/09/2024 | *
* 2 | vegetables | 5 | 50 | 30/11/2023 | 30/11/2024 | *
* 3 | bread | 3 | 70 | 01/01/2023 | 01/01/2024 | *
* 4 | milk | 2 | 80 | 02/02/2023 | 02/02/2024 | *
* 5 | cheese | 4 | 90 | 03/03/2023 | 03/03/2024 | *
* 6 | eggs | 1 | 100 | 04/04/2023 | 04/04/2024 | *
*****

1. name
2. stock
3. price
4. manufacturing date
5. expiry date
6. back

Which field do you want an item to delete in (Press a listed number)

Enter expiry date to search or q to go back: 03/03/2024
```

After

```
C:\A18D\MENUAssignment.exe
*****
*                                     Product Database                                     *
*****
* no. | name | stock | price | manufacturing date | expiry date |
* 1 | fish | 8 | 40 | 05/09/2023 | 05/09/2024 |
* 2 | vegetables | 5 | 50 | 30/11/2023 | 30/11/2024 |
* 3 | bread | 3 | 70 | 01/01/2023 | 01/01/2024 |
* 4 | milk | 2 | 80 | 02/02/2023 | 02/02/2024 |
* 5 | eggs | 1 | 100 | 04/04/2023 | 04/04/2024 |
*
*****
1. name
2. stock
3. price
4. manufacturing date
5. expiry date
6. back

Which field do you want an item to delete in (Press a listed number)
```

7.DELETE ALL ITEM

Before

```
C:\A18D\MENUAssignment.exe
*****
*                                     Product Database                                     *
*****
* no. | name | stock | price | manufacturing date | expiry date |
* 1 | fish | 8 | 40 | 05/09/2023 | 05/09/2024 |
* 2 | vegetables | 5 | 50 | 30/11/2023 | 30/11/2024 |
* 3 | bread | 3 | 70 | 01/01/2023 | 01/01/2024 |
* 4 | milk | 2 | 80 | 02/02/2023 | 02/02/2024 |
* 5 | eggs | 1 | 100 | 04/04/2023 | 04/04/2024 |
*
*****
Do you want to delete all items? (yes/no) (Press y or n)_
```

After

```
C:\IA18D\MENUAssignment.exe
*****
*                                     Product Database                               *
*****
* no. | name | stock | price | manufacturing date | expiry date |
*
*****

Do you want to delete all items? (yes/no) (Press y or n)
```

8. MODIFY ITEM

8.1 MODIFY NAME

Before

```
C:\IA18D\MENUAssignment.exe
*****
*                                     Product Search List                           *
*****
* no. | name | stock | price | manufacturing date | expiry date |
*
* 1 | chicken | 10 | 30 | 22/10/2023 | 22/10/2024 |
*
*****

1. name
2. stock
3. price
4. manufacturing date
5. expiry date
6. back

Which field do you want to modify (Enter the string of number or 6 to back) 1

Enter name or q to back: flour_
```

After

```
C:\IA18D\MENU\asigment.exe

*****
*                                     Product Database                               *
*****
* no. | name | stock | price | manufacturing date | expiry date |
* 1 | flour | 10 | 30 | 22/10/2023 | 22/10/2024 |
* 2 | beef | 15 | 20 | 15/11/2023 | 15/11/2024 |
* 3 | pork | 12 | 25 | 18/12/2023 | 18/12/2024 |
* 4 | fish | 8 | 40 | 05/09/2023 | 05/09/2024 |
* 5 | vegetables | 5 | 50 | 30/11/2023 | 30/11/2024 |
* 6 | fruits | 6 | 60 | 12/12/2023 | 12/12/2024 |
* 7 | bread | 3 | 70 | 01/01/2023 | 01/01/2024 |
* 8 | milk | 2 | 80 | 02/02/2023 | 02/02/2024 |
* 9 | cheese | 4 | 90 | 03/03/2023 | 03/03/2024 |
* 10 | eggs | 1 | 100 | 04/04/2023 | 04/04/2024 |
*
*****

Press any keys to continue edit others, p to return to product menu_
```

8.2 MODIFY STOCK

Before

```
C:\IA18D\MENU\asigment.exe

*****
*                                     Product Search List                           *
*****
* no. | name | stock | price | manufacturing date | expiry date |
* 1 | beef | 15 | 20 | 15/11/2023 | 15/11/2024 |
*
*****

1. name
2. stock
3. price
4. manufacturing date
5. expiry date
6. back

Which field do you want to modify (Enter the string of number or 6 to back) 2

Enter stock or q to back: 1000
```

after

```
C:\IA18D\MENUasigment.exe
*****
*                                     Product Database                               *
*****
* no. | name | stock | price | manufacturing date | expiry date |
* 1 | flour | 10 | 30 | 22/10/2023 | 22/10/2024 |
* 2 | beef | 1000 | 20 | 15/11/2023 | 15/11/2024 |
* 3 | pork | 12 | 25 | 18/12/2023 | 18/12/2024 |
* 4 | fish | 8 | 40 | 05/09/2023 | 05/09/2024 |
* 5 | vegetables | 5 | 50 | 30/11/2023 | 30/11/2024 |
* 6 | fruits | 6 | 60 | 12/12/2023 | 12/12/2024 |
* 7 | bread | 3 | 70 | 01/01/2023 | 01/01/2024 |
* 8 | milk | 2 | 80 | 02/02/2023 | 02/02/2024 |
* 9 | cheese | 4 | 90 | 03/03/2023 | 03/03/2024 |
* 10 | eggs | 1 | 100 | 04/04/2023 | 04/04/2024 |
*****
Press any keys to continue edit others, p to return to product menu_
```

8.3 MODIFY PRICE

Before

```
C:\IA18D\MENUasigment.exe
*****
*                                     Product Search List                           *
*****
* no. | name | stock | price | manufacturing date | expiry date |
* 1 | flour | 10 | 30 | 22/10/2023 | 22/10/2024 |
*****
1. name
2. stock
3. price
4. manufacturing date
5. expiry date
6. back
Which field do you want to modify (Enter the string of number or 6 to back) 3
Enter price or q to back: 1
```

after


```
C:\IA18D\MENUasigment.exe

*****
*                                     *
*                               Product Database                               *
*                                     *
* no. | name | stock | price | manufacturing date | expiry date *
*                                     *
* 1 | flour | 10 | 1 | 22/10/2023 | 22/10/2024 *
* 2 | beef | 1000 | 20 | 15/11/2023 | 15/11/2024 *
* 3 | pork | 12 | 25 | 18/12/2023 | 18/12/2024 *
* 4 | fish | 8 | 40 | 05/09/2023 | 05/09/2024 *
* 5 | vegetables | 5 | 50 | 30/11/2023 | 30/11/2024 *
* 6 | fruits | 6 | 60 | 12/12/2023 | 12/12/2024 *
* 7 | bread | 3 | 70 | 01/01/2023 | 01/01/2024 *
* 8 | milk | 2 | 80 | 02/02/2023 | 02/02/2024 *
* 9 | cheese | 4 | 90 | 03/03/2023 | 03/03/2024 *
* 10 | eggs | 1 | 100 | 04/04/2023 | 04/04/2024 *
*                                     *
*****

Press any keys to continue edit others, p to return to product menu
```

8.4 MODIFY MANUFACTURING DATE BEFORE

```
C:\IA18D\MENUasigment.exe

*****
*                                     *
*                               Product Search List                               *
*                                     *
* no. | name | stock | price | manufacturing date | expiry date *
*                                     *
* 1 | flour | 10 | 1 | 22/10/2023 | 22/10/2024 *
*                                     *
*****

1. name
2. stock
3. price
4. manufacturing date
5. expiry date
6. back

Which field do you want to modify (Enter the string of number or 6 to back) 4

Enter manufacturing date or q to back: 2/2/2024_
```

AFTER

```
C:\IA18D\MENUasigment.exe

*****
*                                     Product Database                               *
*****
*
* no. | name | stock | price | manufacturing date | expiry date |
*
* 1 | flour | 10 | 1 | 2/2/2024 | 22/10/2024 |
* 2 | beef | 1000 | 20 | 15/11/2023 | 15/11/2024 |
* 3 | pork | 12 | 25 | 18/12/2023 | 18/12/2024 |
* 4 | fish | 8 | 40 | 05/09/2023 | 05/09/2024 |
* 5 | vegetables | 5 | 50 | 30/11/2023 | 30/11/2024 |
* 6 | fruits | 6 | 60 | 12/12/2023 | 12/12/2024 |
* 7 | bread | 3 | 70 | 01/01/2023 | 01/01/2024 |
* 8 | milk | 2 | 80 | 02/02/2023 | 02/02/2024 |
* 9 | cheese | 4 | 90 | 03/03/2023 | 03/03/2024 |
* 10 | eggs | 1 | 100 | 04/04/2023 | 04/04/2024 |
*
*****

Press any keys to continue edit others, p to return to product menu
```

8.5 MODIFY EXPIRY DATE BEFORE

```
C:\IA18D\MENUasigment.exe

*****
*                                     Product Search List                               *
*****
*
* no. | name | stock | price | manufacturing date | expiry date |
*
* 1 | flour | 10 | 1 | 2/2/2024 | 22/10/2024 |
*
*****

1. name
2. stock
3. price
4. manufacturing date
5. expiry date
6. back

Which field do you want to modify (Enter the string of number or 6 to back) 5

Enter expiry date or q to back: 2/3/2025

Modify item successfully!

Press r to refresh the list, p to return to product menu
```

AFTER

— □ ×

Press any keys to continue edit others, p to return to product menu.