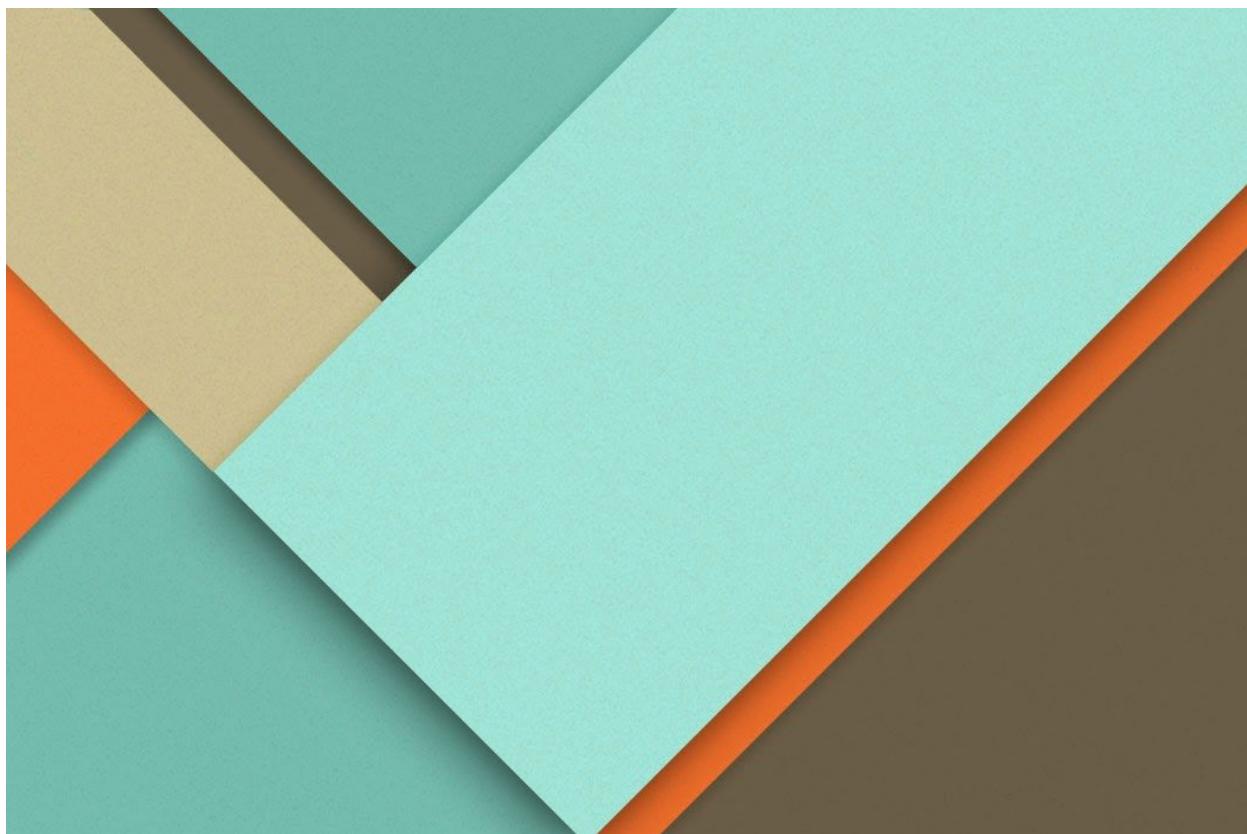


Introduction to Computer Programming Final Assignment – Project Report-



Project Topic On XYZ Distributors system

K.RUSIRU LAKMAL PERERA

AS95216
AS2019448



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INTRODUCTION

Usually distributors have large store to distribute their product from their vehicles,

- ❖ Therefore , their store product quantity decrease every day ,when they sell their products. so, they want a increase product quantity quickly in program, I fixed that making follow function,

[3].ADD ITEMS TO PRODUCT

- ❖ Further , they have vehicle store and they want add vehicle number and vehicle sells details , and if they want to remove vehicle their store ,so I fix that case offering following menu

[2].MANAGE VEHICLE ----> [1]. Add vehicle to store

-----> [2]. Remove vehicle

- ❖ Further , they fill their vehicle load certain amount of product quantity on vehicle till its unloaded . So I fix it offering following function

[4].UPLOADING ITEMS TO VEHICLE

- ❖ Further , after came vehicle to store ,they want to unload their products when it is not sold, so I fix that offering following function

[5].UNLOADING FROM VEHICLE

- 
- ❖ Further , they want to see reports of inventory ,at this time which vehicles is filled with which item, sells report , vehicle directory , best seller , chart of progress item and sells men etc..
 - ❖ So, we fix that offering following menu

[6].VIEW REPORTS

- [1]. View store report
- [2]. View loaded report
- [3]. View sells report
- [4]. View vehicle store report
- [5]. View sot selling report
- [6]. View vehicle sells Chart report
- [7]. View product sells Chart report

- ❖ [Further, if they need to change unit price of product and product code , so I offered following menu to do it

[7].MANAGE CHANGES

- [1]. CHANGE ITEM PRICE
- [2]. CHANGE ITEM QUANTITY
- [3]. CHANGE ITEM CODE

- ❖ Finally they want to see certain sells men fully details ,so I offered following function to seen full details

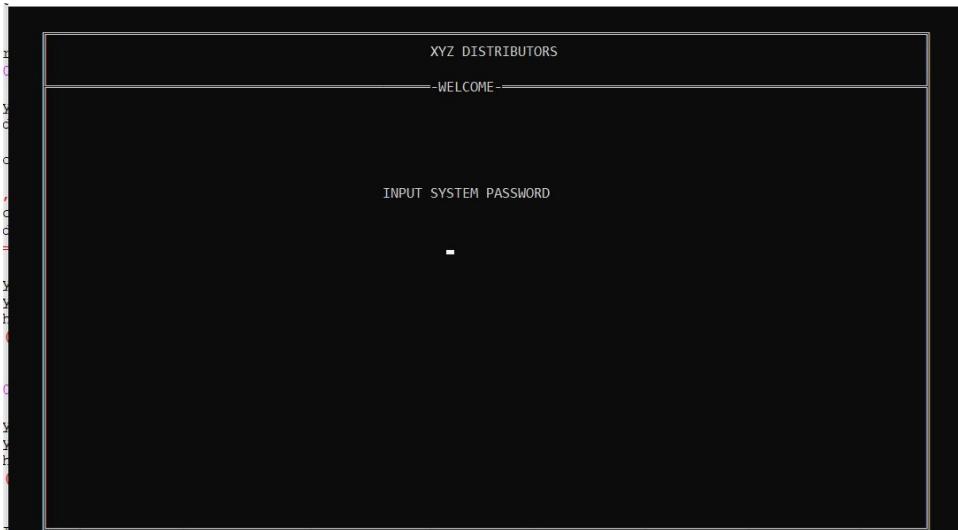
[8].SEARCH SELLS MEN DETAILS

So, I think that I have fix the system as they think , if they have an issue ,we are able to fix it .

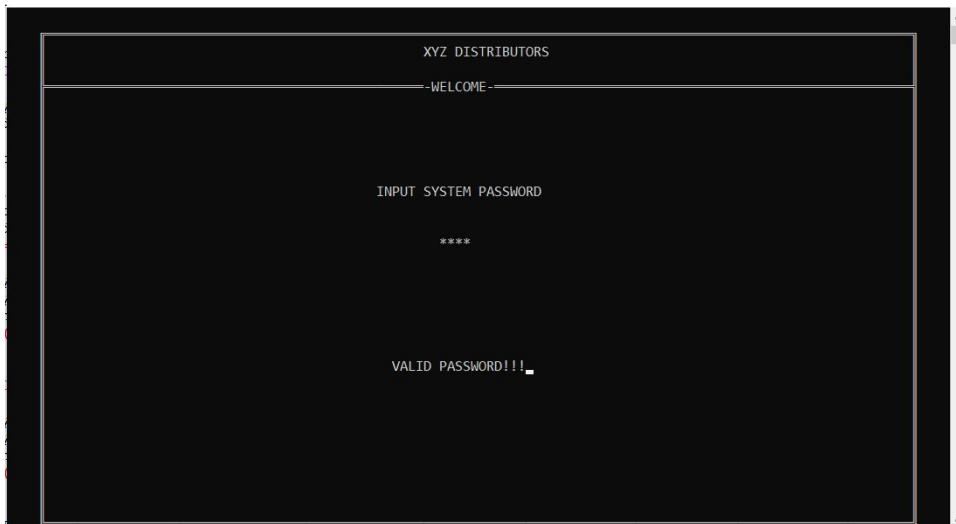
functionality of the developed system

(For two product and three vehicles)

Welcome window(the system password=usjp)



This is mainly used for ensure the security of the system. In here I've used password protection to enhance the security of the system. Password is hard-coded in the program and you cannot change it while using the system.



Main window

Main menu is used to access the main functions of the xyz distributors system.



1)Add 2 new products

Add function you can add only different codes of product to inventory(cannot be added same code,if you want to add same, you can use add items to product function).

```
C:\Users\ASUS\Desktop\CS\AAB\bin\Debug\AAB.exe
XYZ DISTRIBUTORS
-ADD NEW PRODUCT-
Enter product code      : 1q1
Enter product name     : biscuit
Enter product quantity : 100
Enter product price    : 55
ADDED SUCESSFULLY!!!
PRESS (1) to go MENU
```

```
C:\Users\ASUS\Desktop\CS\AAB\bin\Debug\AAB.exe
XYZ DISTRIBUTORS
-ADD NEW PRODUCT-
Enter product code      : 1q2
Enter product name     : saman
Enter product quantity : 1000
Enter product price    : 275
ADDED SUCESSFULLY!!!
PRESS (1) to go MENU
```

2)add three vehicle to vehicle store

```
C:\Users\ASUS\Desktop\CS\AAB\bin\Debug\AAB.exe
XYZ DISTRIBUTORS
-VEHICLE STORE-
Enter vehicle number : 1s1

Enter seller name      : rusiru

Enter seller NIC No   : 983500226v

Enter seller Tel.NO   : 0768695448

ADDED SUSCESSFULLY!!!

PRESS (1) to go MENU ..
```

```
C:\Users\ASUS\Desktop\CS\AAB\bin\Debug\AAB.exe
XYZ DISTRIBUTORS
-VEHICLE STORE-
Enter vehicle number : 1s2

Enter seller name      : lakmal

Enter seller NIC No   : 983500227v

Enter seller Tel.NO   : 0768695447

ADDED SUSCESSFULLY!!!

PRESS (1) to go MENU ..
```

```
C:\Users\ASUS\Desktop\CS\AAB\bin\Debug\AAB.exe
XYZ DISTRIBUTORS
-VEHICLE STORE-
Enter vehicle number : 1s3

Enter seller name      : perera

Enter seller NIC No   : 983500228v

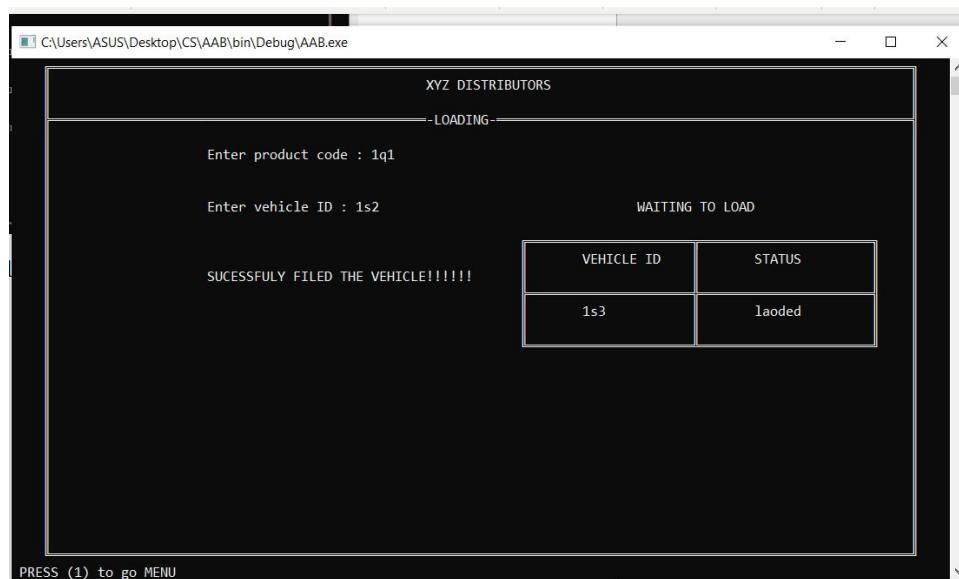
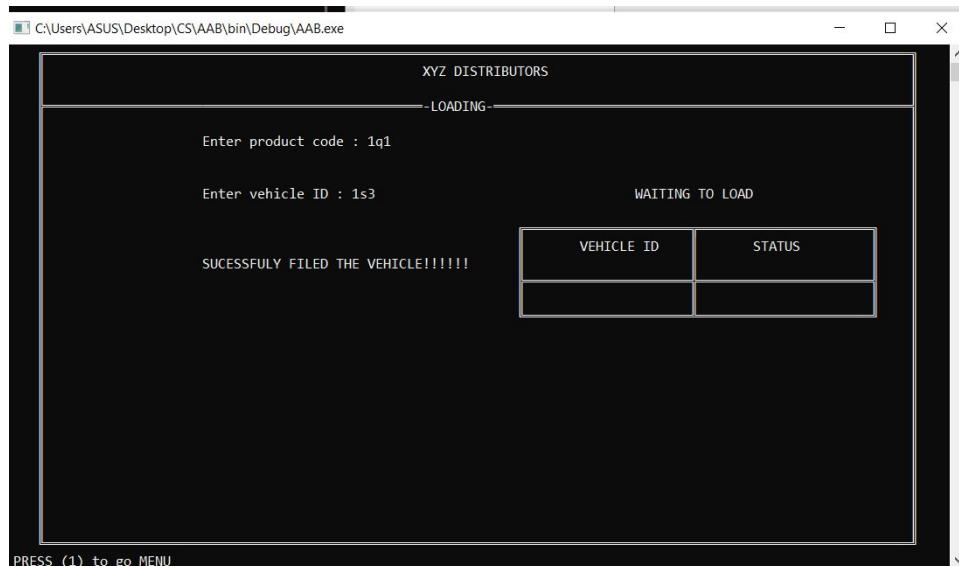
Enter seller Tel.NO   : 0768695440

ADDED SUSCESSFULLY!!!

PRESS (1) to go MENU ..
```

3) load to vehicles

- ★ 1q1-->1s3
- ★ 1q1-->1s2
- ★ 1q2-->1s1
- ★ 1q2-->1s3
- ★ 1q1-->1s1



```
C:\Users\ASUS\Desktop\CS\AAB\bin\Debug\AAB.exe
XYZ DISTRIBUTORS
-LOADING-
Enter product code : 1q2
Enter vehicle ID : 1s1
WAITING TO LOAD
SUCESSFULLY FILED THE VEHICLE!!!!!


| VEHICLE ID | STATUS |
|------------|--------|
|            |        |


PRESS (1) to go MENU ..
```

```
C:\Users\ASUS\Desktop\CS\AAB\bin\Debug\AAB.exe
XYZ DISTRIBUTORS
-LOADING-
Enter product code : 1q2
Enter vehicle ID : 1s3
WAITING TO LOAD
SUCESSFULLY FILED THE VEHICLE!!!!!


| VEHICLE ID | STATUS |
|------------|--------|
| 1s1        | laoded |


PRESS (1) to go MENU ..
```

```
C:\Users\ASUS\Desktop\CS\AAB\bin\Debug\AAB.exe
XYZ DISTRIBUTORS
-LOADING-
Enter product code : 1q1
Enter vehicle ID : 1s1
WAITING TO LOAD
SUCESSFULLY FILED THE VEHICLE!!!!!


| VEHICLE ID | STATUS |
|------------|--------|
| 1s3        | laoded |
| 1s2        | laoded |


PRESS (1) to go MENU ..
```

4)unloading to inventory

- ★ 1q2-->1s1=1
- ★ 1q1-->1s1=2
- ★ 1q1-->1s3=3
- ★ 1q1-->1s2=4
- ★ 1q2-->1s3=7

C:\Users\ASUS\Desktop\CS\AAB\bin\Debug\AAB.exe

XYZ DISTRIBUTORS

-UNLOADING-

Enter item code : 1q2

Enter vehicle ID : 1s1

How many unloading items : 1

WAITING TO UNLOAD

SUCESSFULLY UNLOADING !!!!!

VEHICLE ID	ITEM ID
1s3	1q1
1s2	1q1
1s1	1q2
1s3	1q2
1s1	1q1

PRESS (1) to go MENU

C:\Users\ASUS\Desktop\CS\AAB\bin\Debug\AAB.exe

XYZ DISTRIBUTORS

-UNLOADING-

Enter item code : 1q1

Enter vehicle ID : 1s1

How many unloading items : 2

WAITING TO UNLOAD

SUCESSFULLY UNLOADING !!!!!

VEHICLE ID	ITEM ID
1s3	1q1
1s2	1q1
1s3	1q2
1s1	1q1
	d

PRESS (1) to go MENU

```

C:\Users\ASUS\Desktop\CS\AAB\bin\Debug\AAB.exe
XYZ DISTRIBUTORS
-UNLOADING-
Enter item code      : 1q1
Enter vehicle ID     : 1s3
How many unloading items : 3
SUCESSFULLY UNLOADING !!!!!!
          WAITING TO UNLOAD
          VEHICLE ID | ITEM ID
          1s3        | 1q1
          1s2        | 1q1
          1s3        | 1q2

PRESS (1) to go MENU

```



```

C:\Users\ASUS\Desktop\CS\AAB\bin\Debug\AAB.exe
XYZ DISTRIBUTORS
-UNLOADING-
Enter item code      : 1q2
Enter vehicle ID     : 1s3
How many unloading items : 7
SUCESSFULLY UNLOADING !!!!!!
          WAITING TO UNLOAD
          VEHICLE ID | ITEM ID
          1s3        | 1q2

PRESS (1) to go MENU

```

5)display table reports

Inventory report

ITEM CODE	ITEM NAME	STOCK QUANTITI	UNIT PRICE
1q1	biscuit	79	Rs.55.0
1q2	saman	988	Rs.275.0

Press '1' go to see other report or press any key go to main :

Loaded report

ITEM CODE	ITEM NAME	STORE QUANTITY	AVAILABLE VEHICLE LOAD	VEHICLE ID
1q1	biscuit	93	0	1s3
1q1	biscuit	84	0	1s2
1q2	saman	991	0	1s1
1q2	saman	987	0	1s3
1q1	biscuit	72	0	1s1

Press '1' go to see other report or press any key go to main :

Sells report

ITEM CODE	ITEM NAME	VEHICAL IDIBUTORS	SELLS	INCOME
1q2	saman	1s1	9	Rs.2475.0
1q1	biscuit	1s1	8	Rs.440.0
1q1	biscuit	1s3	7	Rs.385.0
1q1	biscuit	1s2	6	Rs.330.0
1q2	saman	1s3	3	Rs.825.0

Press '1' go to see other report or press any key go to main : 33 Rs.4455.0

Vehicle store report

VEHICLE ID	SELLER NAME
1s1	rusiru
1s2	lakmal
1s3	perera

Press '1' go to see other report or press any key go to main :

Sort selling report (HOT SELLING vehicle)

VEHICLE ID	TOTAL QUANTITY
1s1	17
1s2	6
1s3	10

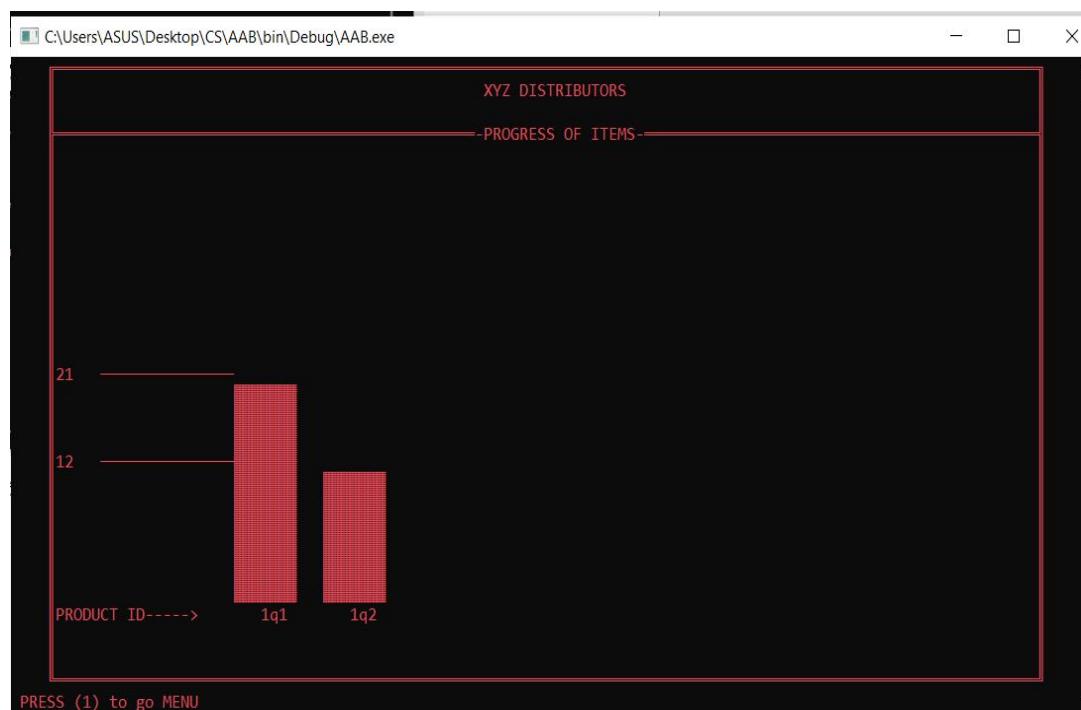
TOTAL SELS-> 33

Press '1' go to see other report or press any key go to main :

6)chart progress of sales men

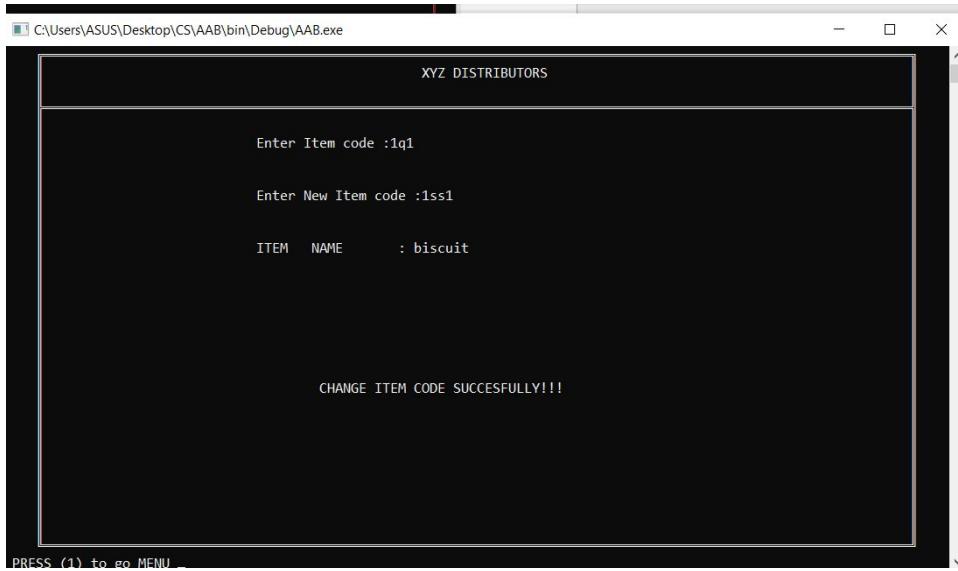


7)chart of progress of selling products



8) manage changes(change item code **1q1** to **1ss1**)

It have changed all reports of items, it is here



ITEM CODE	ITEM NAME	STOCK QUANTITY	UNIT PRICE
1ss1	biscuit	79	Rs.55.0
1q2	saman	988	Rs.275.0

Press '1' go to see other report or press any key go to main :

C:\Users\ASUS\Desktop\CS\AAB\bin\Debug\AAB.exe

ITEM CODE	ITEM NAME	STORE QUANTITY	AVAILABLE VEHICLE LOAD	VEHICLE ID
1ss1	biscuit	93	0	1s3
1ss1	biscuit	84	0	1s2
1q2	saman	991	0	1s1
1q2	saman	987	0	1s3
1ss1	biscuit	72	0	1s1

Press '1' go to see other report or press any key go to main :

C:\Users\ASUS\Desktop\CS\AAB\bin\Debug\AAB.exe

ITEM CODE	ITEM NAME	VEHICAL IDIBUTORS	SELLS	INCOME
1q2	saman	1s1	9	Rs.2475.0
1ss1	biscuit	1s1	8	Rs.440.0
1ss1	biscuit	1s3	7	Rs.385.0
1ss1	biscuit	1s2	6	Rs.330.0
1q2	saman	1s3	3	Rs.825.0

Press '1' go to see other report or press any key go to main :

33 Rs.4455.0



9)search sales men details

XYZ DISTRIBUTORS

Enter vehicle Id : 1s2

SELLER NAME : lakmal

SELLER NIC NO : 983500227v

SELLER TELEPHONE NO : 768695447

SELLER SELLS QUANTITY : 6

PRESS (1) to go MENU

10)add items to product (**1ss1** product increase by **999**)

Should be updated inventory

```
C:\Users\ASUS\Desktop\CS\AAB\bin\Debug\AAB.exe
XYZ DISTRIBUTORS
-INCREASING ITEM-
Enter item code      : 1ss1
Enter item quentity : 999
Item name is        : biscuit
Now Available items : 1078
PRESS (1) to go MENU
```

ITEM CODE	ITEM NAME	STOCK QUANTITI	UNIT PRICE
1ss1	biscuit	1078	Rs.55.0
1q2	saman	988	Rs.275.0

```
Press '1' go to see other report or press any key go to main :
```

11) remove vehicle from vehicle store(**1s3**)

Should be updated vehicle store report



VEHICLE ID	SELLER NAME
1s1	rusiru
1s2	lakmal

At the bottom of the terminal window, there is a prompt "Press '1' go to see other report or press any key go to main :".

12) change the unit price of a product (**1q2** new price **250**)

Should be updated inventory

```
C:\Users\ASUS\Desktop\CS\AAB\bin\Debug\AAB.exe
XYZ DISTRIBUTORS

Enter Item code :1q2
Enter New Price :250
PREVIOUS PRICE : 275.0
ITEM NAME      : saman

CHANGE ITEM PRICE SUCCESFULLY!!!
```

ITEM CODE	ITEM NAME	STOCK QUANTITY	UNIT PRICE
1ss1	biscuit	1078	Rs.55.0
1q2	saman	988	Rs.250.0

```
Press '1' go to see other report or press any key go to main :
```

13)change product quantity (**1q2** quantity **2000**)

Should be updated inventory

C:\Users\ASUS\Desktop\CS\AAB\bin\Debug\AAB.exe

XYZ DISTRIBUTORS

```
Enter Item code :1q2
Enter New Quantity :2000
PREVIOUS QUANTITY : 988
ITEM    NAME      : saman

CHANGE ITEM QUANTITY SUCCESFULLY!!!
```

PRESS (1) to go MENU

This screenshot shows a terminal window titled 'XYZ DISTRIBUTORS'. It displays a command-line interface for changing item quantities. The user enters '1q2' as the item code and '2000' as the new quantity. The previous quantity is shown as 988. The item name is listed as 'samman'. A success message 'CHANGE ITEM QUANTITY SUCCESFULLY!!!' is displayed at the bottom. At the bottom of the window, there is a prompt 'PRESS (1) to go MENU'.

C:\Users\ASUS\Desktop\CS\AAB\bin\Debug\AAB.exe

ITEM CODE	ITEM NAME	STOCK QUANTITI	UNIT PRICE
1ss1 1q2	biscuit saman	1078 2000	Rs.55.0 Rs.250.0

Press '1'go to see other report or press any key go to main :

This screenshot shows a terminal window displaying a table of inventory items. The table has four columns: 'ITEM CODE', 'ITEM NAME', 'STOCK QUANTITI', and 'UNIT PRICE'. There is one row of data: Item Code '1ss1' and '1q2', Item Name 'biscuit' and 'saman', Stock Quantity '1078' and '2000', and Unit Price 'Rs.55.0' and 'Rs.250.0'. At the bottom of the table, there is a prompt 'Press '1'go to see other report or press any key go to main :'

Test plane

Case 1: add new item function

Item code – qqq

Name-biscuit

Quantity – 10

Unit price =10

Screenshot of program

```
C:\Users\ASUS\Desktop\CS\AAB\bin\Debug\AAB.exe
XYZ DISTRIBUTORS
---ADD NEW PRODUCT---
Enter product code      : qqq
Enter product name      : biscuit
Enter product quantity  : 10
Enter product price     : 10
ADDED SUCESSFULLY!!!
PRESS (1) to go MENU
```

Screenshot of database

```
currentInventory - Notepad
File Edit Format View Help
| qqq biscuit 10 10.000000 |
```

Case 2: add new item function

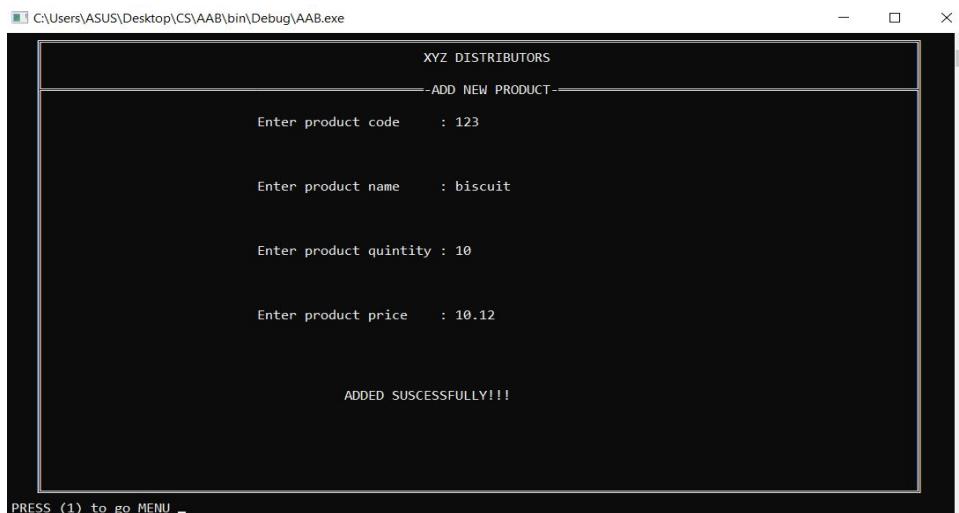
Item code – 123

Name-biscuit12

Quantity – 10

Unit price =10.12

Screenshot of program



```
C:\Users\ASUS\Desktop\CS\AAB\bin\Debug\AAB.exe
XYZ DISTRIBUTORS
-ADD NEW PRODUCT-
Enter product code      : 123
Enter product name     : biscuit
Enter product quantity : 10
Enter product price    : 10.12
ADDED SUCESSFULLY!!!
PRESS (1) to go MENU -
```

Screenshot of database



```
currentInventory - Notepad
File Edit Format View Help
qqq biscuit 10 10.000000 123 biscuit 10 10.120000
```

Case 3: add new item function

Item code – 123abc

Name-biscuit12

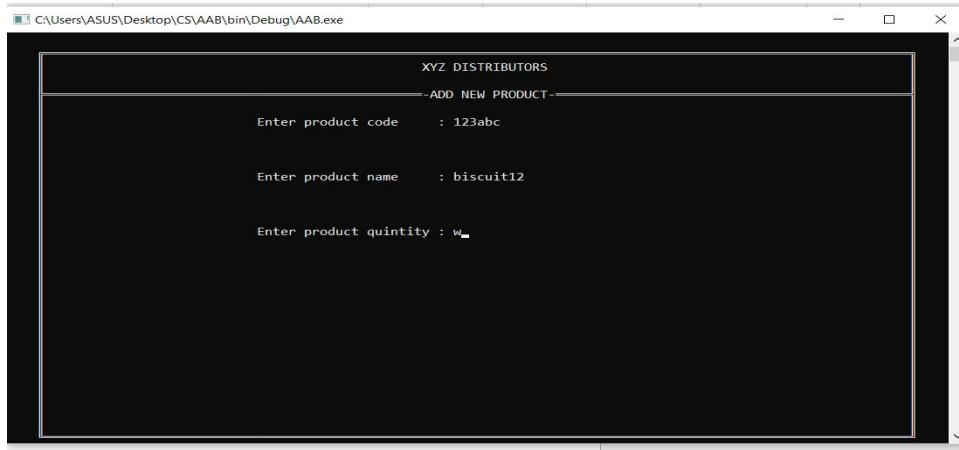
Quantity – w

Renter quantity-12

Unit price =10.12

Screenshot of program

When enter Quantity – w



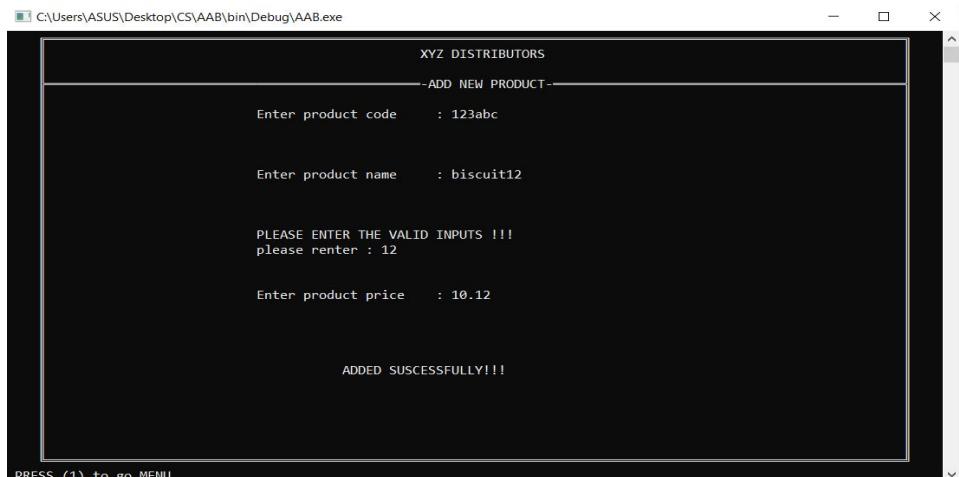
```

C:\Users\ASUS\Desktop\CS\AAB\bin\Debug\AAB.exe

XYZ DISTRIBUTORS
---ADD NEW PRODUCT---
Enter product code      : 123abc
Enter product name      : biscuit12
Enter product quantity : w_

```

After enter Quantity – w, replace



```

C:\Users\ASUS\Desktop\CS\AAB\bin\Debug\AAB.exe

XYZ DISTRIBUTORS
---ADD NEW PRODUCT---
Enter product code      : 123abc
Enter product name      : biscuit12
PLEASE ENTER THE VALID INPUTS !!!
please reenter : 12
Enter product price     : 10.12

ADDED SUCESSFULLY!!!

```

PRESS (1) to go MENU

Screenshot of database



```

currentInventory - Notepad
File Edit Format View Help
qqq biscuit 10 10.000000 123 biscuit 10 10.120000 123abc biscuit12 12
10.120000

```

Case 4: add new item function

Item code – 123abc

Name-biscuit12

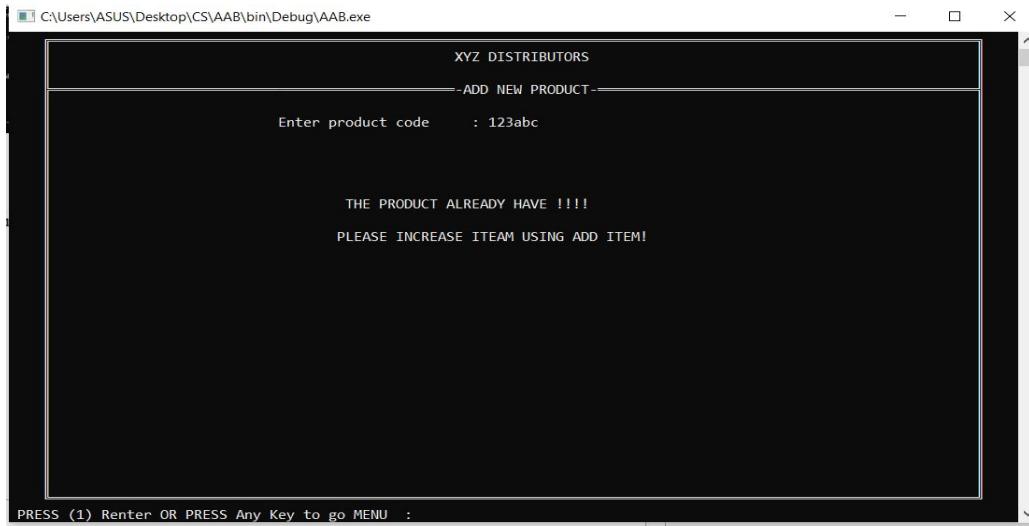
Quantity – 10

Unit price =w

Screenshot of program

Function of add new item place, you cannot enter same item code in this function because that item code is already in my inventory file

If you want to increase product quantity, change item code, change unit price, I have offered another functions to do it



Case 5: add new item function

Item code – 12

Name-karat

Quantity – wwe

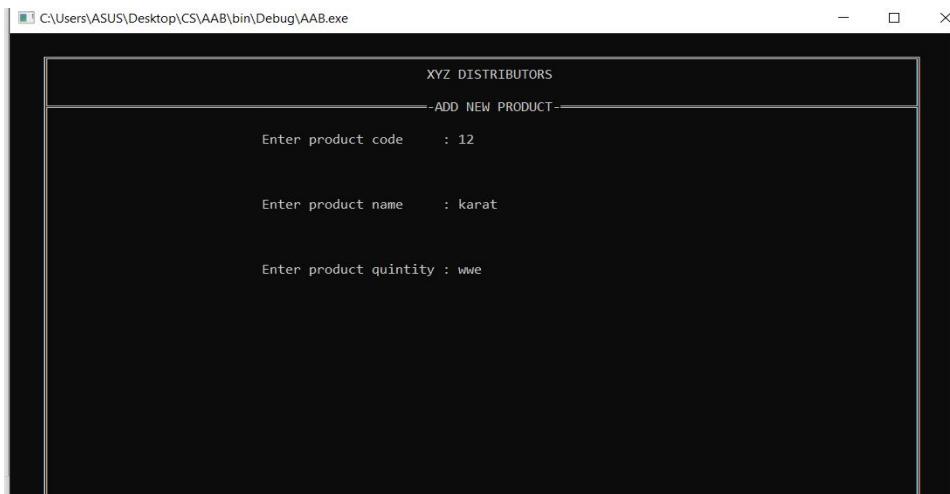
Renter =15

Unit price =ncc

Renter =200.01

Screenshot of program

When enter Quantity –wwe and unit price=ncc

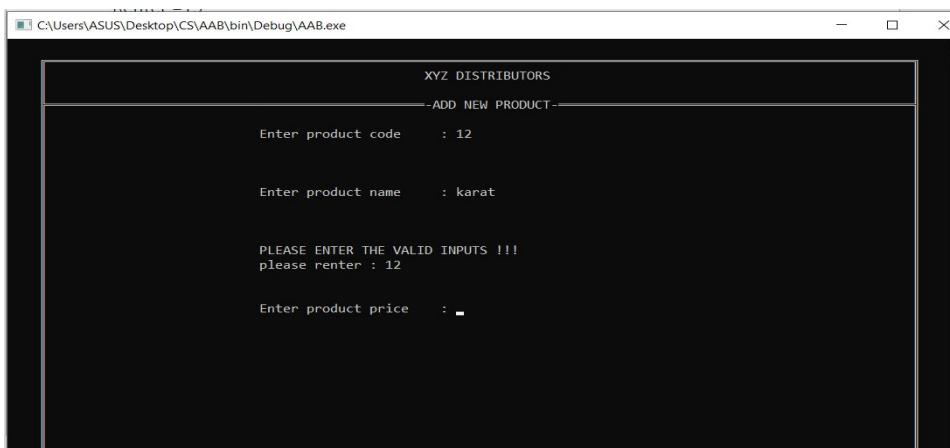


C:\Users\ASUS\Desktop\CS\AAB\bin\Debug\AAB.exe

XYZ DISTRIBUTORS

-ADD NEW PRODUCT-

```
Enter product code      : 12
Enter product name      : karat
Enter product quantity : wwe
```

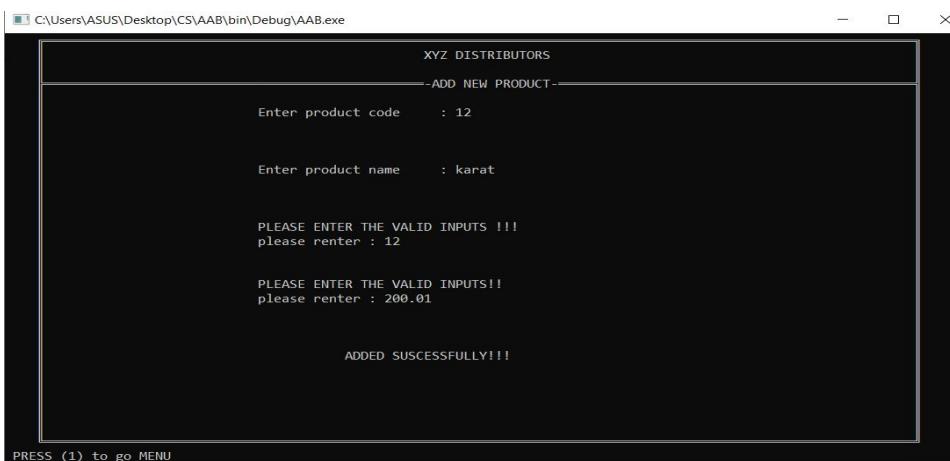


C:\Users\ASUS\Desktop\CS\AAB\bin\Debug\AAB.exe

XYZ DISTRIBUTORS

-ADD NEW PRODUCT-

```
Enter product code      : 12
Enter product name      : karat
PLEASE ENTER THE VALID INPUTS !!!
please renter : 12
Enter product price     : -
```



C:\Users\ASUS\Desktop\CS\AAB\bin\Debug\AAB.exe

XYZ DISTRIBUTORS

-ADD NEW PRODUCT-

```
Enter product code      : 12
Enter product name      : karat
PLEASE ENTER THE VALID INPUTS !!!
please renter : 12
PLEASE ENTER THE VALID INPUTS!!!
please renter : 200.01
ADDED SUCESSFULLY!!!
```

PRESS (1) to go MENU

Screenshot of database

```
currentInventory - Notepad
File Edit Format View Help
qqq biscuit 10 10.000000 123 biscuit 10 10.120000 123abc biscuit12 12
10.120000 12 karat 12 200.009995
```

Case 6: add new item function

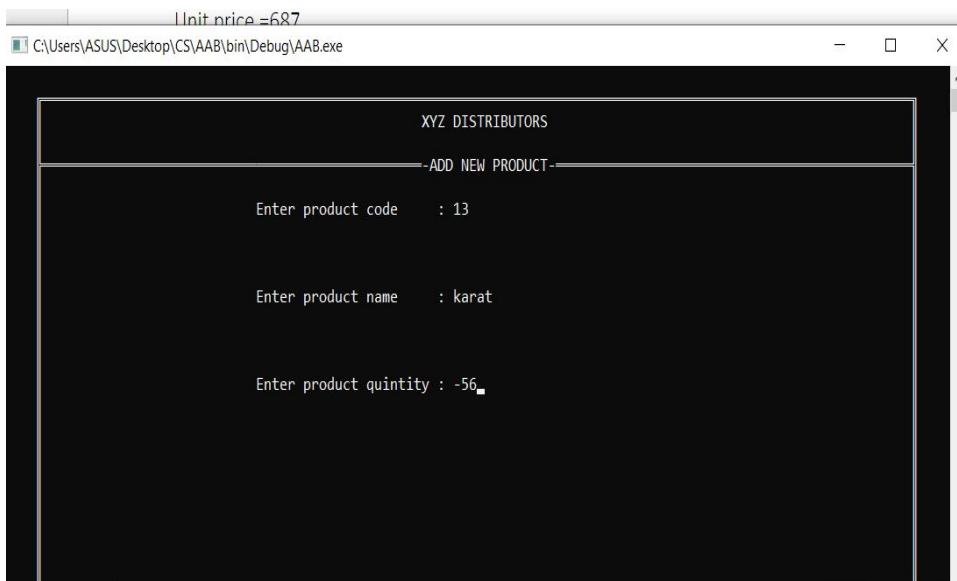
Item code – 13

Name-karat

Quantity = -56

Renter =15

Unit price =687

Screenshot of program

```
C:\Users\ASUS\Desktop\CS\AAB\bin\Debug\AAB.exe

XYZ DISTRIBUTORS
-ADD NEW PRODUCT-
Enter product code : 13
Enter product name : karat
PLEASE ENTER THE VALID INPUTS!!
please renter : 15
Enter product price : 687
ADDED SUCESSFULLY!!!
PRESS (1) to go MENU
```

Screenshot of database

```
currentinventory - Notepad
File Edit Format View Help
qqq biscuit 10 10.000000 123 biscuit 10 10.120000 123abc biscuit12 12
10.120000 12 karat 12 200.009995 13 karat 15 687.000000
```

Case 7: add new item function

Item code – 14

Name-pen

Quantity = 26

Unit price =-687

Renter =200

Screenshot of program

```
C:\Users\ASUS\Desktop\CS\AAB\bin\Debug\AAB.exe

XYZ DISTRIBUTORS
-ADD NEW PRODUCT-
Enter product code : 14
Enter product name : pen
Enter product quantity : 26
Enter product price : -687
```

```
C:\Users\ASUS\Desktop\CS\AAB\bin\Debug\AAB.exe
XYZ DISTRIBUTORS
--ADD NEW PRODUCT--
Enter product code      : 14
Enter product name      : pen
Enter product quantity  : 26
PLEASE ENTER THE VALID INPUTS!!
please renter : 200
```

```
C:\Users\ASUS\Desktop\CS\AAB\bin\Debug\AAB.exe
XYZ DISTRIBUTORS
--ADD NEW PRODUCT--
Enter product code      : 14
Enter product name      : pen
Enter product quantity  : 26
PLEASE ENTER THE VALID INPUTS!!
please renter : 200

ADDED SUCESSFULLY!!!

PRESS (1) to go MENU
```

Screenshot of database

```
currentInventory - Notepad
File Edit Format View Help
qqq biscuit 10 10.000000 123 biscuit 10 10.120000 123abc biscuit12 12
10.120000 12 karat 12 200.009995 13 karat 15 687.000000 14 pen 26
200.000000
```

Case 8: add new item function

Item code – 15

Name-karatsd

Quantity =-2

Renter =15

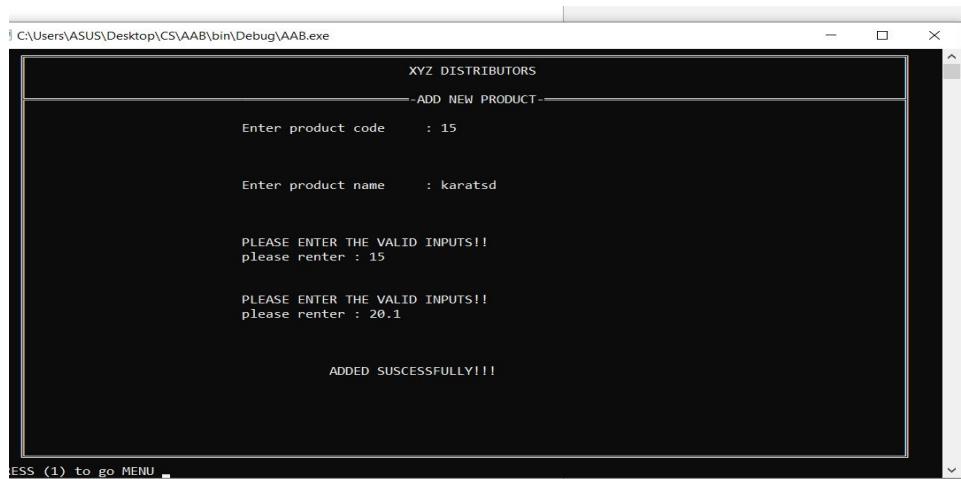
Unit price =-30.5

Renter =20.1

Screenshot of program

```
XYZ DISTRIBUTORS
-ADD NEW PRODUCT-
Enter product code : 15
Enter product name : karatsd
Enter product quentity : -2
```

```
XYZ DISTRIBUTORS
-ADD NEW PRODUCT-
Enter product code : 15
Enter product name : karatsd
PLEASE ENTER THE VALID INPUTS!!
please renter : 15
```



Screenshot of database



Case 9: manage vehicle function ->add a new vehicle

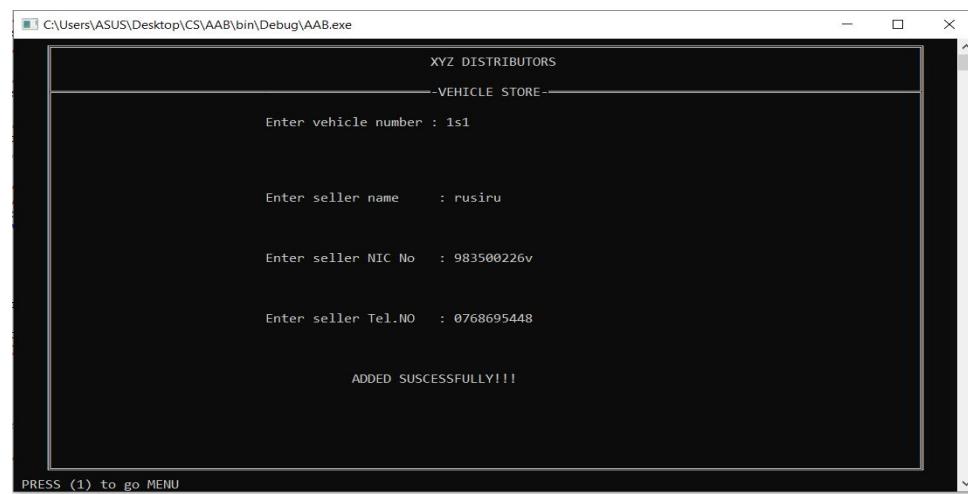
Vehicle id= 1s1

seller Name-rusiru

Id =983500226v

Tel.no=0768695446

Screenshot of program



Screenshot of database



Case 10: manage vehicle function ->add a new vehicle

Vehicle id= 1s1

seller Name-lakmal

Id =983500226v

Tel.no=0768695446

Screenshot of program



Case 11: manage vehicle function ->add a new vehicle

Vehicle id= 1s2

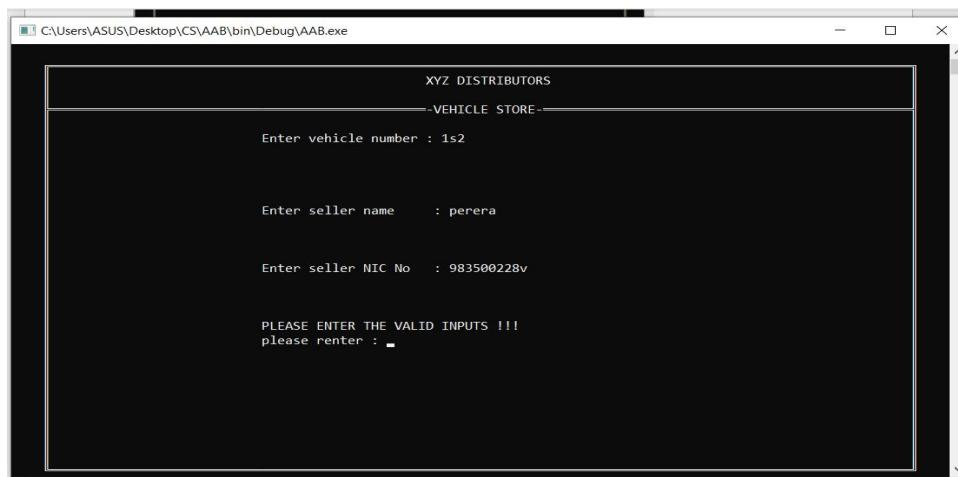
seller Name-perera

Id =983500228v

Tel.no=w

Renter =0768695449

Screenshot of program



```
C:\Users\ASUS\Desktop\CS\AAB\bin\Debug\AAB.exe

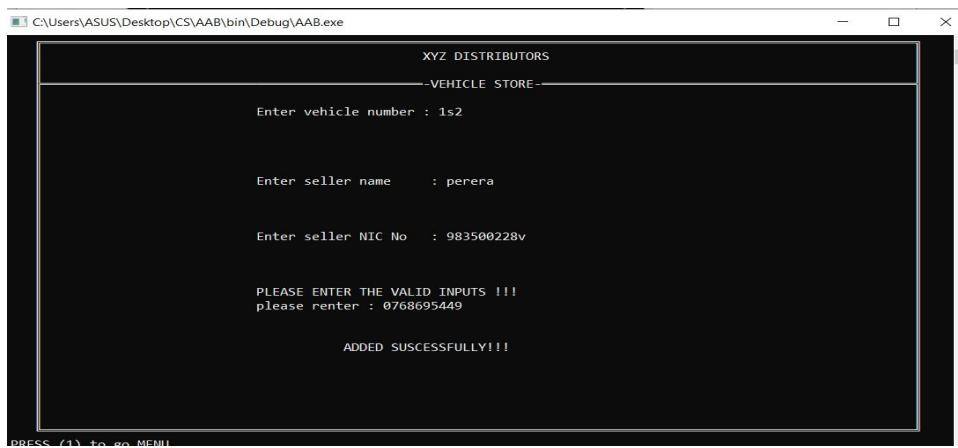
XYZ DISTRIBUTORS
--VEHICLE STORE--

Enter vehicle number : 1s2

Enter seller name      : perera

Enter seller NIC No   : 983500228v

PLEASE ENTER THE VALID INPUTS !!!
please renter : -
```



```
C:\Users\ASUS\Desktop\CS\AAB\bin\Debug\AAB.exe

XYZ DISTRIBUTORS
--VEHICLE STORE--

Enter vehicle number : 1s2

Enter seller name      : perera

Enter seller NIC No   : 983500228v

PLEASE ENTER THE VALID INPUTS !!!
please renter : 0768695449

ADDED SUCESSFULLY!!!

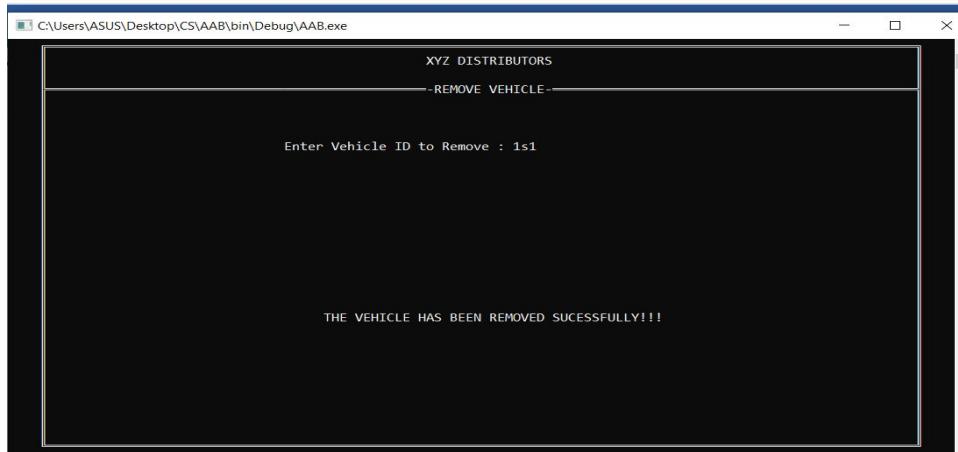
PRESS (1) to go MENU
```

Screenshot of database



Case 12: manage vehicle function ->Remove a vehicle

Vehicle id= 1s1(already entered id)



Screenshot of database



Case 13: manage vehicle function ->Remove a vehicle

Vehicle id= 1s3(new)

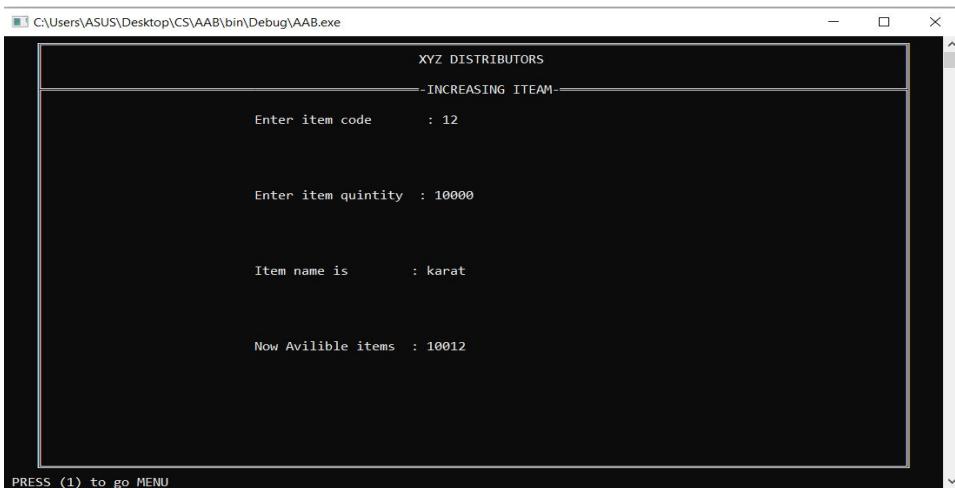


Case 14: manage vehicle function ->add items to product

Product code = 12(already entered id)

Quantity = 10000

Screenshot of program



Screenshot of database

```
currentInventory - Notepad
File Edit Format View Help
qqq biscuit 10 10.000000 123 biscuit 10 10.120000 123abc biscuit12 12
10.120000 12 karat 10012 200.009995 13 karat 15 687.000000 14 pen 26
200.000000 15 karatsd 15 20.100000
```

Case 15: manage vehicle function ->add items to product

Product code = qqq(already entered id)

Quantity = -10

Renter =12

Screenshot of program

```
XYZ DISTRIBUTORS
-INCREASING ITEAM-
Enter item code      : qqq
Enter item quantity : -10
```

```
XYZ DISTRIBUTORS
-INCREASING ITEAM-
Enter item code      : qqq
please enter valid inputs
reenter the value: 12

Item name is      : biscuit

Now Available items : 22

PRESS (1) to go MENU
```

Screenshot of database

```
currentInventory - Notepad
File Edit Format View Help
qqq biscuit 22 10.000000 123 biscuit 10 10.120000 123abc biscuit12 12
10.120000 12 karat 10012 200.009995 13 karat 15 687.000000 14 pen 26
200.000000 15 karatsd 15 20.100000
```

Case 16: manage vehicle function ->add items to product

Product code = ac(new)

If you want to decrease product quantity , there is a another function to do it,

This function can be only increase quantity

Screenshot of program

C:\Users\ASUS\Desktop\CS\AAB\bin\Debug\AAB.exe

XYZ DISTRIBUTORS

- INCREASING ITEM -

Enter item code : ac

Enter item quantity : 34

THERE IS NO THAT PRODUCT CODE !!

PRESS (1) to go MENU

Case 17: manage vehicle function ->load to vehicle

Item code=12(already entered)

Vehicle id= 1s2 (already entered)

C:\Users\ASUS\Desktop\CS\AAB\bin\Debug\AAB.exe

XYZ DISTRIBUTORS

- LOADING -

Enter product code : 12

Enter vehicle ID : 1s2

WATING TO LOAD

SUCESSFULLY FILED THE VEHICLE!!!!!!

VEHICLE ID	STATUS

PRESS (1) to go MENU

Screenshot of database

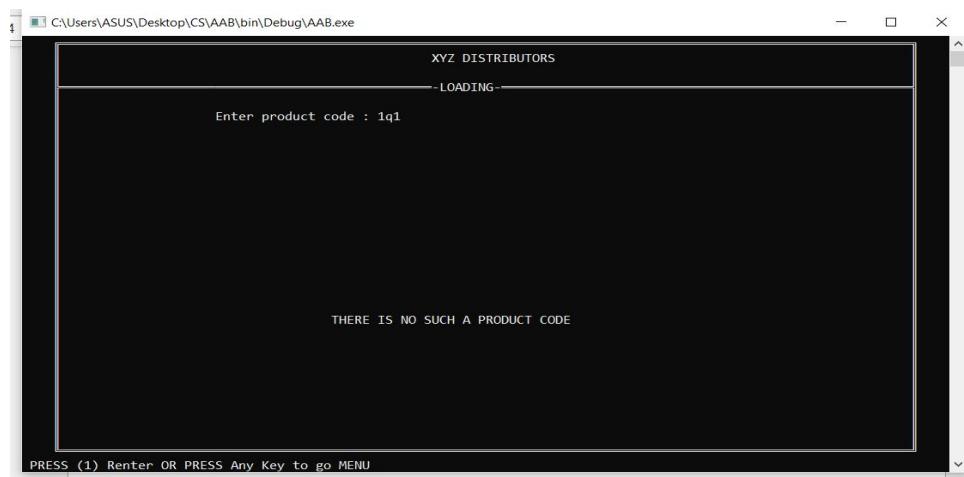


Case 18: manage vehicle function ->load to vehicle

Item code=1q1(new, it is not in inventory)

Vehicle id= 1s2 (already entered)

Screenshot of program



Case 19: manage vehicle function ->load to vehicle

Item code=12(already entered)

Vehicle id= 1s3 (new, it is not in vehicle store)

Screenshot of program



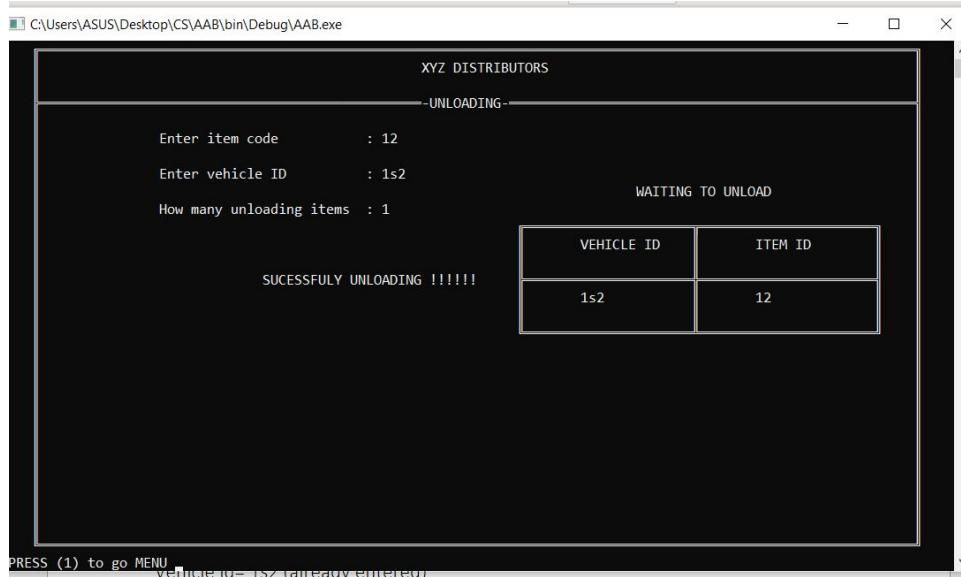
Case 20: manage vehicle function ->unload from vehicle

Item code=12(already entered)

Vehicle id= 1s2 (already entered)

How many unloading items : 1

Screenshot of program



The screenshot shows a terminal-like interface with the title "XYZ DISTRIBUTORS". The main text area displays the following input and output:

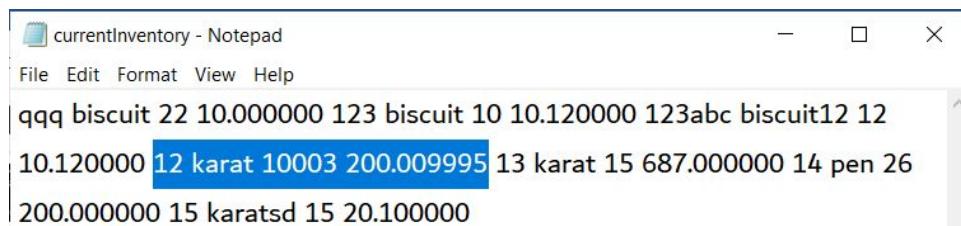
```

XYZ DISTRIBUTORS
-UNLOADING-
Enter item code      : 12
Enter vehicle ID     : 1s2
How many unloading items : 1
                           WAITING TO UNLOAD
                           VEHICLE ID   ITEM ID
                           1s2          12
SUCESSFULLY UNLOADING !!!!!!

```

At the bottom of the window, there is a message: "PRESS (1) to go MENU" and "Vehicle id= 1s2 (already entered)".

Screenshot of database inventory file



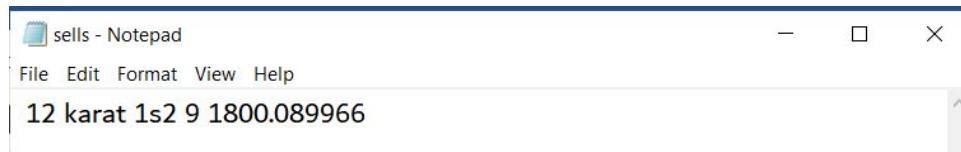
The Notepad window contains the following text, representing a database inventory:

```

currentInventory - Notepad
File Edit Format View Help
qqq biscuit 22 10.000000 123 biscuit 10 10.120000 123abc biscuit12 12
10.120000 12 karat 10003 200.009995 13 karat 15 687.000000 14 pen 26
200.000000 15 karatsd 15 20.100000

```

Screenshot of database sells file



The Notepad window contains the following text, representing a database sells file:

```

sells - Notepad
File Edit Format View Help
12 karat 1s2 9 1800.089966

```

Screenshot of database disto file



The Notepad window contains the following text, representing a database disto file:

```

disto - Notepad
File Edit Format View Help
12 karat 10003 200.009995 0 1s2

```

Case 21: manage vehicle function ->unload from vehicle

Item code=12(already entered)

Vehicle id= 1s1 (already entered)

How many unloading items : 12(**only unload item 0 to 10 range from a vehicle**)

Renter =3

Screenshot of program

```

C:\Users\ASUS\Desktop\CS\AAB\bin\Debug\AAB.exe

XYZ DISTRIBUTORS
-UNLOADING-

Enter item code      : 12
Enter vehicle ID     : 1s2
invalid input !!!
Renter How many unloading items : 3

          WAITING TO UNLOAD
    VEHICLE ID | ITEM ID
  1s2           | 12
  
```

```

C:\Users\ASUS\Desktop\CS\AAB\bin\Debug\AAB.exe

XYZ DISTRIBUTORS
-UNLOADING-

Enter item code      : 12
Enter vehicle ID     : 1s2
invalid input !!!
Renter How many unloading items : 3

          WAITING TO UNLOAD
    VEHICLE ID | ITEM ID
  1s2           | 12
  
```

SUCESSFULLY UNLOADING !!!!!

Screenshot of database inventory file

```

currentInventory - Notepad
File Edit Format View Help
qqq biscuit 22 10.000000 123 biscuit 10 10.120000 123abc biscuit12 12
10.120000 12 karat 9987 200.009995 13 karat 15 687.000000 14 pen 26
200.000000 15 karatsd 15 20.100000
  
```

Screenshot of database sells file

```
sells - Notepad
File Edit Format View Help
12 karat 1s1 9 1800.089966 12 karat 1s2 7 1400.069946
```

Screenshot of database disto file

```
disto - Notepad
File Edit Format View Help
12 karat 9994 200.009995 0 1s1 12 karat 9987 200.009995 0 1s2
```

Case 22: manage vehicle function ->unload from vehicle

Unload= unloaded item again unload

Screenshot of program

```
C:\Users\ASUS\Desktop\CS\AAB\bin\Debug\AAB.exe
XYZ DISTRIBUTORS
-UNLOADING-
Enter item code : 12
WAITING TO UNLOAD
VEHICLE ID | ITEM ID
| |
ITEMS NOT LOADED FULL !!!! -
PRESS (1) Enter OR PRESS Any Key to go MENU
```

Case 23: manage vehicle function ->unload from vehicle

Item code=15(already loaded to 1s2)

Vehicle id= 1s1 (that item is not loaded 1s1 yet)

```

C:\Users\ASUS\Desktop\CS\AAB\bin\Debug\AAB.exe

XYZ DISTRIBUTORS
-UNLOADING-
Enter item code      : 15
Enter vehicle ID    : 1s1
THE VEHICLE HAS NOT BEEN LOADED YET !!■
PRESS (1) Renter OR PRESS Any Key to go MENU

```

Case 24: manage vehicle function ->unload from vehicle

Item code=15(already entered)

Vehicle id= 1s2 (already entered)

How many unloading items : -1(**only unload item 0 to 10 range from a vehicle**)

Renter =4

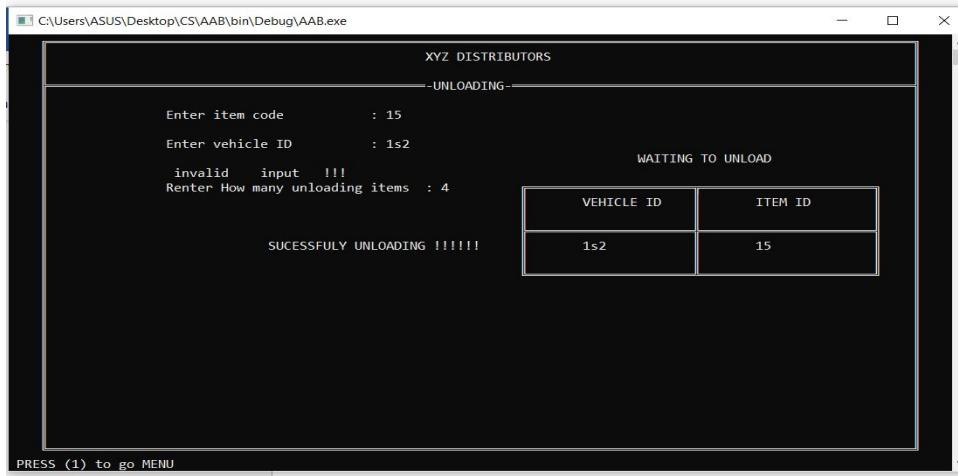
Screenshot of program

```

C:\Users\ASUS\Desktop\CS\AAB\bin\Debug\AAB.exe

XYZ DISTRIBUTORS
-UNLOADING-
Enter item code      : 15
Enter vehicle ID    : 1s2
How many unloading items : -1
THE VEHICLE HAS NOT BEEN LOADED YET !!■
PRESS (1) Renter OR PRESS Any Key to go MENU

```



Screenshot of database inventory file

currentInventory - Notepad

```
File Edit Format View Help
qqq biscuit 22 10.000000 123 biscuit 10 10.120000 123abc biscuit12 12
10.120000 12 karat 9987 200.009995 13 karat 15 687.000000 14 pen 26
200.000000 15 karatsd 9 20.100000
```

Screenshot of database sells file

sells - Notepad

```
File Edit Format View Help
12 karat 1s1 9 1800.089966 12 karat 1s2 7 1400.069946 15 karatsd 1s2 6
120.600006
```

Screenshot of database disto file

sells - Notepad

```
File Edit Format View Help
12 karat 1s1 9 1800.089966 12 karat 1s2 7 1400.069946 15 karatsd 1s2 6
120.600006
```

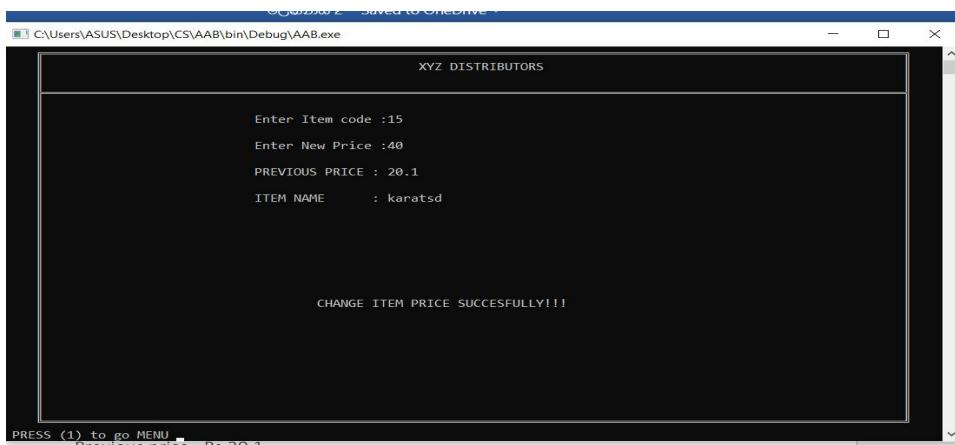
Case 25: manage vehicle function ->manage changes>change item price

Item code=15(already entered)

Previous price= Rs.20.1

New price=40

Screenshot of program



Screenshot of database inventory file

The screenshot shows a Notepad window titled "currentInventory - Notepad". The content of the file is a database inventory list:

```

qqq biscuit 22 10.000000 123 biscuit 10 10.120000 123abc biscuit12 12
10.120000 12 karat 9987 200.009995 13 karat 15 687.000000 14 pen 26
200.0000000 15 karatsd 9 40.000000

```

The line "15 karatsd 9 40.000000" is highlighted with a blue background.

Case 26: manage vehicle function ->manage changes>change item price

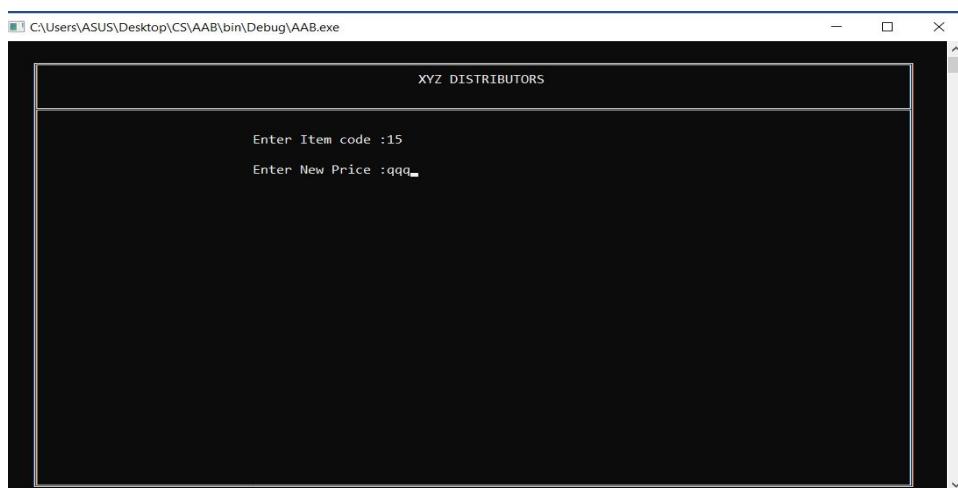
Item code=15(already entered)

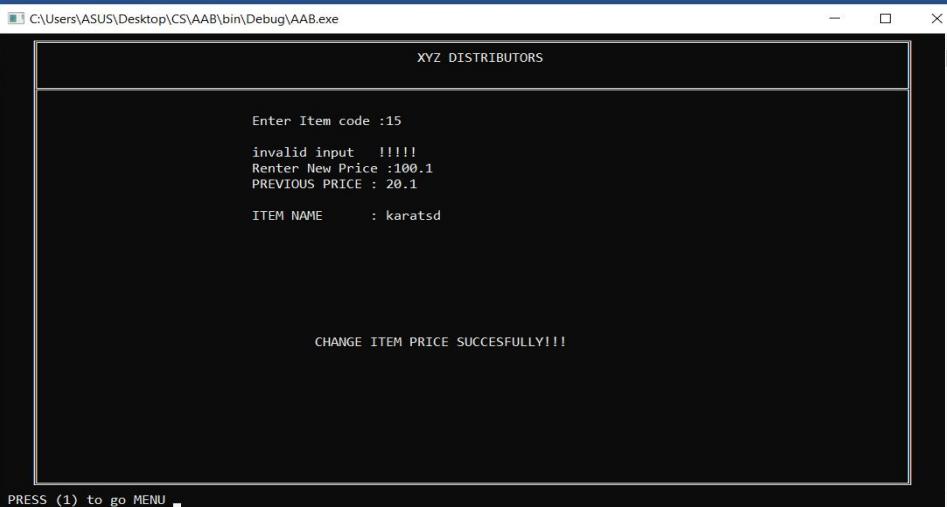
Previous price= Rs.20.1

New price=qqq

Renter =100.1

Screenshot of program





The screenshot shows a terminal window titled 'C:\Users\ASUS\Desktop\CS\AAB\bin\Debug\AAB.exe'. The title bar also displays 'XYZ DISTRIBUTORS'. The window contains the following text:

```

XYZ DISTRIBUTORS

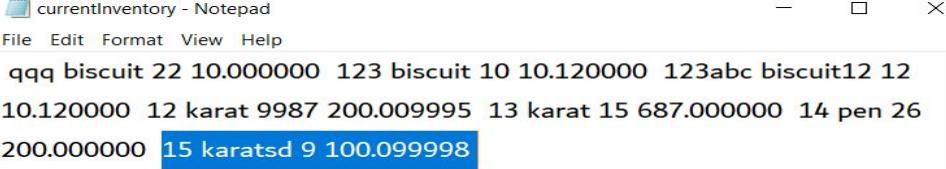
Enter Item code :15
invalid input    !!!!!
Renter New Price :100.1
PREVIOUS PRICE : 20.1
ITEM NAME      : karatsd

CHANGE ITEM PRICE SUCCESFULLY!!!

```

At the bottom of the window, there is a message: 'PRESS (1) to go MENU'.

Screenshot of database inventory file



The screenshot shows a Notepad window titled 'currentInventory - Notepad'. The file contains the following text:

```

File Edit Format View Help
qqq biscuit 22 10.000000 123 biscuit 10 10.120000 123abc biscuit12 12
10.120000 12 karat 9987 200.009995 13 karat 15 687.000000 14 pen 26
200.000000 15 karatsd 9 100.099998

```

The line '15 karatsd 9 100.099998' is highlighted with a blue background.

Case 27: manage vehicle function ->manage changes>change item price

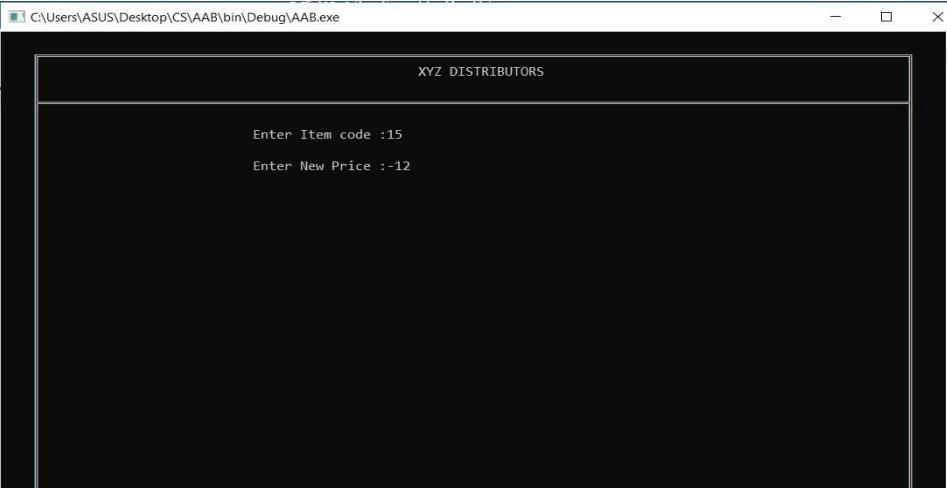
Item code=15(already entered)

Previous price= Rs 100.1

New price=-12

Renter =12

Screenshot of program



The screenshot shows a terminal window titled 'C:\Users\ASUS\Desktop\CS\AAB\bin\Debug\AAB.exe'. The title bar also displays 'XYZ DISTRIBUTORS'. The window contains the following text:

```

XYZ DISTRIBUTORS

Enter Item code :15
Enter New Price :-12

```



C:\Users\ASUS\Desktop\CS\AAB\bin\Debug\AAB.exe

XYZ DISTRIBUTORS

```

Enter Item code :15
invalid input !!!!!
Renter New Price :12
PREVIOUS PRICE : 100.1
ITEM NAME      : karatsd

CHANGE ITEM PRICE SUCCESFULLY!!!

```

PRESS (1) to go MENU

currentInventory - Notepad

File Edit Format View Help

```

qqq biscuit 22 10.000000 123 biscuit 10 10.120000 123abc biscuit12 12
10.120000 12 karat 9987 200.009995 13 karat 15 687.000000 14 pen 26
200.000000 15 karatsd 9 12.000000

```

Case 26: manage vehicle function ->manage changes>change item code

Previous code= 15

New code=1q1

Screenshot of program

C:\Users\ASUS\Desktop\CS\AAB\bin\Debug\AAB.exe

XYZ DISTRIBUTORS

```

Enter Item code :15

Enter New Item code :1q1

ITEM NAME      : karatsd

CHANGE ITEM CODE SUCCESFULLY!!!

```

PRESS (1) to go MENU



Screenshot of database inventory file

```
currentInventory - Notepad
File Edit Format View Help
qqq biscuit 22 10.000000 123 biscuit 10 10.120000 123abc biscuit12 12
10.120000 12 karat 9987 200.009995 13 karat 15 687.000000 14 pen 26
200.0000000 1q1 karatsd 9 12.000000
```

Screenshot of database sells file

```
sells - Notepad
File Edit Format View Help
12 karat 1s1 9 1800.089966 12 karat 1s2 7 1400.069946 1q1 karatsd 1s2 6
120.600006
```

Screenshot of database disto file

```
sells - Notepad
File Edit Format View Help
12 karat 1s1 9 1800.089966 12 karat 1s2 7 1400.069946 1q1 karatsd 1s2 6
120.600006
```

Case 28: manage vehicle function ->manage changes>change item code

Previous code= 1q1

New code =12(for now available code)

Screenshot of program

```
C:\Users\ASUS\Desktop\CS\AAB\bin\Debug\AAB.exe
XYZ DISTRIBUTORS

Enter Item code :1q1
Enter New Item code :12

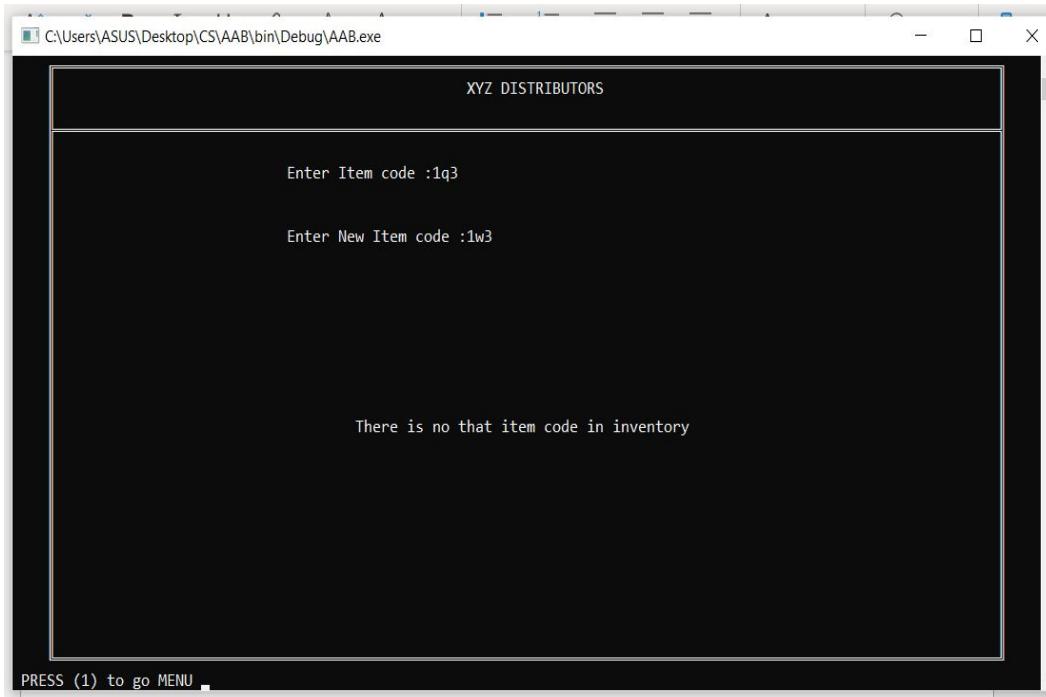
There is an item code in inventory
```

Case 29: manage vehicle function ->manage changes>change item code

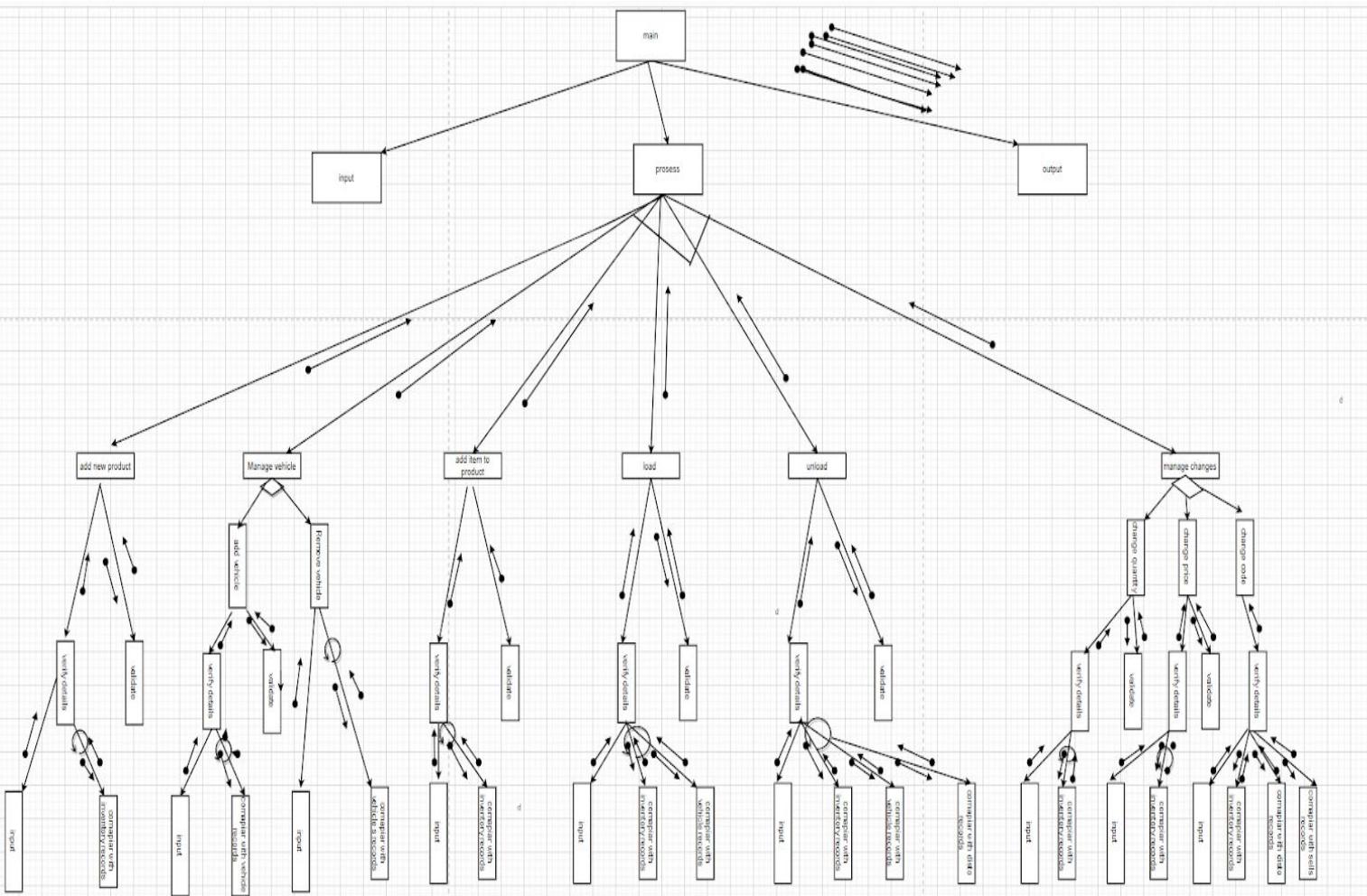
Previous code= 1q3(new code ,It is not in inventory yet)

New code =1w3

Screenshot of program



Structure chart



[link for structure chart which i drew](#)

KNOWN BUGS

- THE system cannot handle full name of the seller name
- When you enter sells men NIC number, you can put "v"
- Auto load only by 10 items which you wish to load any item in load function
- Only You can load same one product of 10 quantity to same one vehicle
- Password of the system = usjp (lower case only)
- For now. For testing, you can add, load and unload a one product (NOT QUANTITY) at one time. (if you want to various of product to add, unload and load you have to go menu and do task)



LIMITATIONS

- ❑ For now,you can only load 10 items of one product(**it is automated**)
- ❑ Can not be loaded a item, if you have not added at least one vehicle in vehicle store
- ❑ You can only unload 0 to 10 item quantity rage
- ❑ Can not be unload ,if the vehicle have been not loaded
- ❑ Can not be loaded,unloaded, if the item is not available in inventory
- ❑ Vehicle id number, seller name,item code should be lesser than 20 characters

Thank You!!