

MP DEMO

1. Start the demo with the given Users.txt and Items.txt saved in the same folder as your executable file. [Note that you cannot modify the format in the given files. The only thing you can do is to remove the last newline from both files AND/OR to open in the editor and save again (this last esp if you are not running in Windows).] There should be NO transactions.dat. Run your program from the command prompt. From the Main Menu, Proceed to Admin Menu, input password “hello?”. [Expected Result: Message indicating invalid password (not just go back to Main Menu, nor to allow entry to Admin Menu). **MATCHED**]

```
MinGW Command Prompt - Agulto_MP

G:\My Drive\SCHOOL\CCPROG2\Demo>Agulto_MP

+ - - - - - M A I N   M E N U - - - - - +
|
|  [1] Register
|  [2] User Menu
|  [3] Admin
|  [0] Exit
|
+ - - - - - +

Enter Choice :: 3

Enter Admin Password
Password :: hello?

Xx UNAUTHORIZED ACCESS NOT ALLOWED xX

+ - - - - - M A I N   M E N U - - - - - +
|
|  [1] Register
|  [2] User Menu
|  [3] Admin
|  [0] Exit
|
```

2. Admin Menu, enter password “H3LLo?”, then choose Show All Users. **MATCHED**

```

XX UNAUTHORIZED ACCESS NOT ALLOWED XX

+ - - - - - M A I N   M E N U - - - - - +
|
| [1] Register
| [2] User Menu
| [3] Admin
| [0] Exit
|
+ - - - - - +

Enter Choice :: 3

Enter Admin Password
Password :: H3LLo?

+ - - - - - A D M I N   M E N U - - - - - +
|
| [1] Show All Users
| [2] Show All Sellers
| [3] Show Total Sales in Given Duration
| [4] Show Seller Sales
| [5] Show Shopaholics
| [6] Show All Transactions by Specific Seller
| [7] Show All Transactions by Specific Buyer
| [0] Exit
|
+ - - - - - +

Choice :: 1

- - - - - SHOW ALL USERS - - - - -

ID      PASSWORD      NAME      ADDRESS      CONTACT NUMBER

540     george      Marvin      Mars      888888
567     bunny      Babs      Looney Tune Town      900900
642     bunny      Bugs      Looney Toon Town      900900
777     devil      Taz      Tasmania      10001
861     hunter      Elmer      Fuddville      98765

- - - - -

+ - - - - - A D M I N   M E N U - - - - - +
|
```

3. Then choose Show All Sellers. **MATCHED**

```
777      devil      Taz      Tasmania      10001
861      hunter    Elmer    Fuddville     98765

-----

+ - - - - - A D M I N   M E N U   - - - - - +
|
| [1] Show All Users
| [2] Show All Sellers
| [3] Show Total Sales in Given Duration
| [4] Show Seller Sales
| [5] Show Shopaholics
| [6] Show All Transactions by Specific Seller
| [7] Show All Transactions by Specific Buyer
| [0] Exit
|
+ - - - - - +

Choice :: 2

----- SHOW ALL SELLERS -----

ID      PASSWORD      NAME      ADDRESS      CONTACT NUMBER      ITEM FOR SALE
540     george      Marvin     Mars          888888          1
567     bunny      Babs     Looney Tune Town  900900          4
861     hunter    Elmer    Fuddville     98765          2

-----

+ - - - - - A D M I N   M E N U   - - - - - +
```

4. Then choose Show Total Sales in Given Duration. If you need to input dates, go ahead and give valid dates. MATCHED

```
+ - - - - - A D M I N   M E N U   - - - - - +
|
|  [1] Show All Users
|  [2] Show All Sellers
|  [3] Show Total Sales in Given Duration
|  [4] Show Seller Sales
|  [5] Show Shopaholics
|  [6] Show All Transactions by Specific Seller
|  [7] Show All Transactions by Specific Buyer
|  [0] Exit
|
+ - - - - - +

Choice :: 3

- - - - - SHOW TOTAL SALES IN GIVEN DURATION - - - - -

Enter Start Date

      ( INPUT SHOULD BE IN NUMERIC !! )
Enter Month : 4
Enter Day   : 1
Enter Year  : 2020

Enter End Date

      ( INPUT SHOULD BE IN NUMERIC !! )
Enter Month : 5
Enter Day   : 10
Enter Year  : 2020

      Xx NO PREVIOUS ITEMS IN BINARY FILE xX

- - - - -

+ - - - - - A D M I N   M E N U   - - - - - +
```

5. Back to Main Menu, Register as a User.

5.1 Account 1 MATCHED

```
+ - - - - - M A I N   M E N U - - - - - +
|
| [1] Register
| [2] User Menu
| [3] Admin
| [0] Exit
|
+ - - - - - +

Enter Choice :: 1

- - - - - R E G I S T E R - - - - -
ID :: 456
Password :: xxx909
Address :: Taft Ave.
Contact Number :: 22222222
Name :: BBB
- - - - -

=====
ACCOUNT INFORMATION
=====

ID :: 456
Password :: xxx909
Address :: Taft Ave.
Contact Number :: 22222222
Name :: BBB

=====

<<>><<>><<>><<>><<>>
<<                               >>
<< [1] Confirm                   >>
<< [2] Re- Enter                 >>
<< [0] Cancel                    >>
<<                               >>
<<>><<>><<>><<>><<>>

Choice :: 1

. . . INFORMATION SAVED . . .

+ - - - - - M A I N   M E N U - - - - - +
|
```

5.2 Account 2 MATCHED

```
. . . INFORMATION SAVED . . .

+ - - - - - M A I N   M E N U - - - - - +
|
| [1] Register
| [2] User Menu
| [3] Admin
| [0] Exit
|
+ - - - - - +

Enter Choice :: 1

- - - - - R E G I S T E R - - - - -
ID :: 35
Password :: nlc111
Address :: Pasay
Contact Number :: 19999999
Name :: Nats
- - - - -

=====
ACCOUNT INFORMATION
=====

ID :: 35
Password :: nlc111
Address :: Pasay
Contact Number :: 19999999
Name :: Nats

=====

<<>><<>><<>><<>><<>>
<<                               >>
<< [1] Confirm                   >>
<< [2] Re- Enter                 >>
<< [0] Cancel                    >>
<<                               >>
<<>><<>><<>><<>><<>>

Choice :: 1

. . . INFORMATION SAVED . . .

+ - - - - - M A I N   M E N U - - - - - +
|
```

5.3 Account 3 MATCHED

```
. . . INFORMATION SAVED . . .

+ - - - - - M A I N   M E N U - - - - - +
|
| [1] Register
| [2] User Menu
| [3] Admin
| [0] Exit
|
+ - - - - - +

Enter Choice :: 1

- - - - - R E G I S T E R - - - - -
ID :: 329
Password :: abc
Address :: DLSU
Contact Number :: 85244611
Name :: NCheng
- - - - -

=====
ACCOUNT INFORMATION
=====

ID :: 329
Password :: abc
Address :: DLSU
Contact Number :: 85244611
Name :: NCheng

=====

<<>><<>><<>><<>><<>>
<<                               >>
<< [1] Confirm                   >>
<< [2] Re- Enter                 >>
<< [0] Cancel                    >>
<<                               >>
<<>><<>><<>><<>><<>>

Choice :: 1

. . . INFORMATION SAVED . . .

+ - - - - - M A I N   M E N U - - - - - +
|
```

6. Go to User Menu, try logging in using the following info (in sequence).

6.1 Trial 1 **MATCHED**

```

      . . . INFORMATION SAVED . . .
+-----MAIN MENU-----+
| [1] Register            |
| [2] User Menu          |
| [3] Admin              |
| [0] Exit               |
+-----+
Enter Choice :: 2
-----LOG IN-----
ID :: 456
Password :: 999999
-----
                Xx LOG IN ERROR xX
+-----MAIN MENU-----+
| [1] Register            |
| [2] User Menu          |
+-----+

```

6.2 Trial 2 **MATCHED**

```

                Xx LOG IN ERROR xX
+-----MAIN MENU-----+
| [1] Register            |
| [2] User Menu          |
| [3] Admin              |
| [0] Exit               |
+-----+
Enter Choice :: 2
-----LOG IN-----
ID :: 35
Password :: abc
-----
                Xx LOG IN ERROR xX
+-----MAIN MENU-----+
| [1] Register            |
+-----+

```

6.3 Trial 3 **MATCHED**

```

                Xx LOG IN ERROR xX
+-----MAIN MENU-----+
| [1] Register            |
| [2] User Menu          |
| [3] Admin              |
| [0] Exit               |
+-----+
Enter Choice :: 2
-----LOG IN-----
ID :: 329
Password :: abc
-----
+-----USER MENU-----+
| [1] Sell Menu          |
| [2] Buy Menu           |
+-----+

```

7. Go to Sell Menu, Add New Item [Note that it is user 329 who is supposed to be logged in] Do this for all items in the ff. list: **MATCHED**

7.1

```
Enter Choice :: 1

+ - - - - - ACTION: S E L L - - - - - +
|
| [1] Add New Item
| [2] Edit Stock
| [3] Show My Products
| [4] Show My Low Stock Products
| [5] Add Discount
| [6] Remove Discount
| [0] Exit
|
+ - - - - - +

Choice :: 1

- - - - - A D D   I T E M S - - - - -
Product ID :: 222
Item Name :: bigas
Category :: food
Description :: Japanese rice - 1 kg
Quantity :: 5
Unit Price :: 80

- - - - -

=====
ITEM INFORMATION
=====

ID :: 222
Name :: bigas
Category :: food
Description :: Japanese rice - 1 kg
Quantity :: 5
Price :: 80.00

=====

<<>><<>><<>><<>><<>>
<<                >>
<< [1] Confirm    >>
<< [2] Re- Enter  >>
<< [0] Cancel     >>
<<                >>
<<>><<>><<>><<>><<>>

Choice :: 1

. . . ITEM SAVED . . .

+ - - - - - ACTION: S E L L - - - - - +
```

7.2

```
. . . ITEM SAVED . . .

+ - - - - - ACTION: S E L L - - - - - +
|
| [1] Add New Item
| [2] Edit Stock
| [3] Show My Products
| [4] Show My Low Stock Products
| [5] Add Discount
| [6] Remove Discount
| [0] Exit
|
+ - - - - - +

Choice :: 1

- - - - - A D D   I T E M S - - - - -
Product ID :: 212
Item Name :: gasul
Category :: cooking
Description :: LPG
Quantity :: 10
Unit Price :: 700

- - - - -

=====
ITEM INFORMATION
=====

ID :: 212
Name :: gasul
Category :: cooking
Description :: LPG
Quantity :: 10
Price :: 700.00

=====

<<>><<>><<>><<>><<>>
<<                >>
<< [1] Confirm    >>
<< [2] Re- Enter  >>
<< [0] Cancel     >>
<<                >>
<<>><<>><<>><<>><<>>

Choice :: 1

. . . ITEM SAVED . . .

+ - - - - - ACTION: S E L L - - - - - +
```

8. Log out (Exit User Menu). From Main Menu, choose User Menu, log in user 777 with password devil, then choose Sell Menu, Show My Products. *[Expected Result: Nothing to display; no garbage values shown]*

MATCHED

```
. . . EXIT FROM ACTIONS . . .

+ - - - - - M A I N   M E N U - - - - - +
|
|  [1] Register
|  [2] User Menu
|  [3] Admin
|  [0] Exit
|
+ - - - - - +

Enter Choice :: 2

- - - - - L O G   I N - - - - -
ID :: 777
Password :: devil
- - - - -

+ - - - - - U S E R   M E N U - - - - - +
|
|  [1] Sell Menu
|  [2] Buy Menu
|  [3] Show Transactions
|  [0] Exit
|
+ - - - - - +

Enter Choice :: 1

+ - - - - - ACTION: S E L L - - - - - +
|
|  [1] Add New Item
|  [2] Edit Stock
|  [3] Show My Products
|  [4] Show My Low Stock Products
|  [5] Add Discount
|  [6] Remove Discount
|  [0] Exit
|
+ - - - - - +

Choice :: 3

Xx NO ITEMS TO SHOW xX

+ - - - - - ACTION: S E L L - - - - - +
|
|  [1] Add New Item
```


9. Log out (Exit User Menu). From Main Menu, choose User Menu, log in user 35 with password nlc111, then choose Sell Menu, Add New Item [Note that it is user 35 who is supposed to be logged in] **MATCHED**

```
Enter Choice :: 2

- - - - - L O G   I N - - - - -
ID :: 35
Password :: nlc111
- - - - -

+ - - - - - U S E R   M E N U - - - - - +
|
| [1] Sell Menu
| [2] Buy Menu
| [3] Show Transactions
| [0] Exit
|
+ - - - - - +

Enter Choice :: 1

+ - - - - - ACTION: S E L L - - - - - +
|
| [1] Add New Item
| [2] Edit Stock
| [3] Show My Products
| [4] Show My Low Stock Products
| [5] Add Discount
| [6] Remove Discount
| [0] Exit
|
+ - - - - - +

Choice :: 1

- - - - - A D D   I T E M S - - - - -
```

```
- - - - - A D D   I T E M S - - - - -
Product ID :: 222

Xx ENTER A NEW PRODUCT ID xX

Product ID :: 999
Item Name :: bucheron
Category :: food
Description :: chicken-based snack
Quantity :: 15
Unit Price :: 219.50
- - - - -

=====
ITEM INFORMATION
=====

ID :: 999
Name :: bucheron
Category :: food
Description :: chicken-based snack
Quantity :: 15
Price :: 219.50
=====

<<>><>><<>><>><>>
<<                                     >>
<< [1] Confirm                         >>
<< [2] Re- Enter                       >>
<< [0] Cancel                          >>
<<                                     >>
<<>><>><<>><>><>>

Choice :: 1

. . . ITEM SAVED . . .

+ - - - - - ACTION: S E L L - - - - - +
|
| [1] Add New Item
| [2] Edit Stock
| [3] Show My Products
| [4] Show My Low Stock Products
| [5] Add Discount
|
+ - - - - - +
```

10. Log out (Exit User Menu). From Main Menu, choose Admin Menu, enter valid password, Show All Sellers. MATCHED

```

      . . . EXIT FROM ACTIONS . . .

+ - - - - - M A I N   M E N U - - - - - +
|
| [1] Register
| [2] User Menu
| [3] Admin
| [0] Exit
|
+ - - - - - +

Enter Choice :: 3

Enter Admin Password
Password :: H3LLo?

+ - - - - - A D M I N   M E N U - - - - - +
|
| [1] Show All Users
| [2] Show All Sellers
| [3] Show Total Sales in Given Duration
| [4] Show Seller Sales
| [5] Show Shopaholics
| [6] Show All Transactions by Specific Seller
| [7] Show All Transactions by Specific Buyer
| [0] Exit
|
+ - - - - - +

Choice :: 2

----- SHOW ALL SELLERS -----

      ID      PASSWORD      NAME      ADDRESS      CONTACT NUMBER      ITEM FOR SALE
-----
      35      nlc111      Nats      Pasay      199999999      1
     329      abc      NCheng      DLSU      85244611      2
     540     george      Marvin      Mars      888888      1
     567     bunny      Babs      Looney Tune Town      900900      4
     861     hunter      Elmer      Fuddville      98765      2
-----

+ - - - - - A D M I N   M E N U - - - - - +
|
| [1] Show All Users
| [2] Show All Sellers
|
```

11. Back to Main Menu, User Menu, Log In user id 329 using correct password, Sell Menu, Show My Products. [Expected Result: (description is preferred to be included if it can fit in the screen, though not listed in specs) **MATCHED**

```
Enter Choice :: 2

- - - - - L O G   I N - - - - -
ID :: 329
Password :: abc
- - - - -

+ - - - - - U S E R   M E N U - - - - - +
|
| [1] Sell Menu
| [2] Buy Menu
| [3] Show Transactions
| [0] Exit
|
+ - - - - - +

Enter Choice :: 1

+ - - - - - ACTION: S E L L - - - - - +
|
| [1] Add New Item
| [2] Edit Stock
| [3] Show My Products
| [4] Show My Low Stock Products
| [5] Add Discount
| [6] Remove Discount
| [0] Exit
|
+ - - - - - +

Choice :: 3

=====
= = = = = P R O D U C T   L I S T = = = = =
=====

ID      NAME      CATEGORY      DESCRIPTION      UNIT PRICE      QUANTITY      DISCOUNTED PRICE
212     gasul         cooking      LPG              700.00          10
222     bigas          food         Japanese rice - 1 kg      80.00           5

=====

+ - - - - - ACTION: S E L L - - - - - +
|
| [1] Add New Item
| [2] Edit Stock
| [3] Show My Products
| [4] Show My Low Stock Products
| [5] Add Discount
| [6] Remove Discount
| [0] Exit
|
+ - - - - - +
```

12. Show My Low Stock Products. [Expected Result: Nothing to display] **NOT A MATCH (error display unlike in the expected result in the demo file)**

```
| [4] Show My Low Stock Products |
| [5] Add Discount               |
| [6] Remove Discount           |
| [0] Exit                     |
+-----+
Choice :: 4

=====
= = = = = MY LOW STOCK PRODUCT = = = = =
=====

Xx NO PRODUCTS BELOW 5 QUANTITY xX

+-----+ ACTION: S E L L -----+
| [1] Add New Item               |
| [2] Edit Stock                |
+-----+
Choice :: 4
```

13. Edit Stock, enter product id 30303. [Expected Result: message indicating Product id does not exist (because this seller does not own that product)]. **MATCHED**

```
| [2] Edit Stock                 |
| [3] Show My Products          |
| [4] Show My Low Stock Products|
| [5] Add Discount              |
| [6] Remove Discount           |
| [0] Exit                     |
+-----+
Choice :: 2

< < YOUR ITEMS > >
=====
ID      NAME      CATEGORY  DESCRIPTION      UNIT PRICE  QUANTITY  DISCOUNTED PRICE
212     gasul      cooking  LPG              700.00     10
222     bigas       food     Japanese rice - 1 kg  80.00     5
=====

Enter Product ID :: 30303

Xx PRODUCT ID NOT FOUND xX

+-----+ ACTION: S E L L -----+
| [1] Add New Item               |
| [2] Edit Stock                |
+-----+
```

14. Edit Stock, enter product id 222. Change price to 68.95 and change description to Fragrant Dinorado. Replenish with quantity 2. Finish Editing, Show My Products. [Expected Result: (description is preferred to be included if it can fit in the screen, though not listed in specs) **MATCHED**

14.1 enter product id 222

```
+-----+-----+ ACTION: S E L E C T I O N +-----+
|       |       |       |       |       |       |       |
| [1]   | Add  | New  | Item |       |       |       |
| [2]   | Edit  | Stock|     |       |       |       |
| [3]   | Show  | My   | Products|     |       |       |
| [4]   | Show  | My   | Low Stock Products|     |       |       |
| [5]   | Add   | Discount|     |       |       |       |
| [6]   | Remove| Discount|     |       |       |       |
| [0]   | Exit  |     |     |       |       |       |
|       |       |       |       |       |       |       |
+-----+-----+
Choice :: 2

< < YOUR ITEMS > >
=====
ID      NAME      CATEGORY  DESCRIPTION      UNIT PRICE  QUANTITY  DISCOUNTED PRICE
212     gasul        cooking   LPG              700.00      10
222     bigas         food      Japanese rice - 1 kg  80.00       5
=====

Enter Product ID :: 222

=====
ID      NAME      CATEGORY  DESCRIPTION      UNIT PRICE  QUANTITY  DISCOUNTED PRICE
222     bigas         food      Japanese rice - 1 kg  80.00       5
=====

+-----+-----+ EDIT STOCK +-----+
```

14.2 Change price to 68.95 and change description to Fragrant Dinorado

```
+ - - - - - E D I T   S T O C K - - - - - +
|
| [1] Replenish
| [2] Reduce Quantity
| [3] Change Price
| [4] Change Item Name
| [5] Change Category
| [6] Change Description
| [0] Finish Editing
|
+ - - - - - +

Choice :: 3

~ ~ ~ ~ ~ C H A N G E   P R I C E   ~ ~ ~ ~ ~

Enter New Price :: 68.95

=====
ID      NAME      CATEGORY      DESCRIPTION      UNIT PRICE      QUANTITY      DISCOUNTED PRICE
222     bigas      food          Japanese rice - 1 kg      68.95           5
=====

+ - - - - - E D I T   S T O C K - - - - - +
|
| [1] Replenish
| [2] Reduce Quantity
| [3] Change Price
| [4] Change Item Name
| [5] Change Category
| [6] Change Description
| [0] Finish Editing
|
+ - - - - - +

Choice :: 6

~ ~ ~ ~ ~ C H A N G E   D E S C R I P T I O N   ~ ~ ~ ~ ~

Enter Product Description :: Fragrant Dinorado

=====
ID      NAME      CATEGORY      DESCRIPTION      UNIT PRICE      QUANTITY      DISCOUNTED PRICE
222     bigas      food          Fragrant Dinorado      68.95           5
=====
```

14.3 Replenish with quantity

```
+ - - - - - E D I T   S T O C K - - - - - +
|
| [1] Replenish
| [2] Reduce Quantity
| [3] Change Price
| [4] Change Item Name
| [5] Change Category
| [6] Change Description
| [0] Finish Editing
|
+ - - - - - +

Choice :: 1

~ ~ ~ ~ ~ R E P L E N I S H ~ ~ ~ ~ ~

Add Quantity :: 2

=====
ID      NAME      CATEGORY  DESCRIPTION      UNIT PRICE  QUANTITY  DISCOUNTED PRICE
222     bigas      food      Fragrant Dinorado      68.95      7
=====

+ - - - - - E D I T   S T O C K - - - - - +
```

14.4 2. Finish Editing, Show My Products

```
| [0] Finish Editing
|
+ - - - - - +

Choice :: 0

. . . FINISH EDITING . . .

+ - - - - - ACTION: S E L L - - - - - +
|
| [1] Add New Item
| [2] Edit Stock
| [3] Show My Products
| [4] Show My Low Stock Products
| [5] Add Discount
| [6] Remove Discount
| [0] Exit
|
+ - - - - - +

Choice :: 3

=====
===== P R O D U C T   L I S T =====
=====
ID      NAME      CATEGORY  DESCRIPTION      UNIT PRICE  QUANTITY  DISCOUNTED PRICE
212     gasul      cooking   LPG              700.00      10
222     bigas      food      Fragrant Dinorado      68.95      7
=====

+ - - - - - ACTION: S E L L - - - - - +
```

15. Exit Sell Menu. Go to Buy Menu, View All Products

MATCHED

```
Choice :: 1

===== VIEW ALL PRODUCTS =====
=====
press [N] to see the next
press [X] to exit the view

Seller : 35, Nats

      ID      NAME      CATEGORY      DESCRIPTION      UNIT PRICE      QUANTITY      DISCOUNTED PRICE
    999    bucheron      food      chicken-based snack      219.50          15

Enter choice: n
=====
press [N] to see the next
press [X] to exit the view

Seller : 540, Marvin

      ID      NAME      CATEGORY      DESCRIPTION      UNIT PRICE      QUANTITY      DISCOUNTED PRICE
    30303    moonrock      artifact      natural rock from Mars      100000.00          3

Enter choice: n
=====
press [N] to see the next
press [X] to exit the view

Seller : 567, Babs

      ID      NAME      CATEGORY      DESCRIPTION      UNIT PRICE      QUANTITY      DISCOUNTED PRICE
    68888      ring      jewelry      white gold with gems      8080.80          12
    70007    earrings      jewelry      snap-on drop earrings      2000.00           5
    80808    necklace      jewelry      chain with pendant      8080.80          12
    81918    bracelet      jewelry      chain with 5 charms      8191.80           6

Enter choice: n
=====
press [N] to see the next
press [X] to exit the view

Seller : 861, Elmer

      ID      NAME      CATEGORY      DESCRIPTION      UNIT PRICE      QUANTITY      DISCOUNTED PRICE
    22322    rocksalt      condiment      natural sea salt      10.00          500
    71717    venison      meat      lean fillet      700.00          20

Enter choice: n

>>----->>
| PURCHASES FROM SELECTED ITEMS |
| ARE ENTITLED TO DISCOUNTS   |
>>----->>

+ - - - - - ACTION: B U Y - - - - - +
```


16. Show All Products by a Specific Seller. Input seller id: 861 **MATCHED**

```
>>----->>

+ - - - - - ACTION: B U Y - - - - - +
|
| [1] View All Products
| [2] View Discounted Products
| [3] Show All Products by Specific Seller
| [4] Search Products by Category
| [5] Search Products by Name
| [6] Add to Cart
| [7] Edit Cart
| [8] Check Out
| [9] Display / Compare Items
| [0] Exit
|
+ - - - - - +

Choice :: 3

= = = = = SHOW ALL PRODUCTS BY A SPECIFIC SELLER = = = = =

Search Seller ID :: 861

ID          NAME          CATEGORY      DESCRIPTION          UNIT PRICE      QUANTITY      DISCOUNTED PRICE
22322      rocksalt      condiment    natural sea salt      10.00           500
71717      venison       meat         lean fillet           700.00          20

=====

>>----->>
|
| PURCHASES FROM SELECTED ITEMS
| ARE ENTITLED TO DISCOUNTS
|
```

17. Show Products by Category. Input category: artifact **MATCHED**

```
[4] Search Products by Category
[5] Search Products by Name
[6] Add to Cart
[7] Edit Cart
[8] Check Out
[9] Display / Compare Items
[0] Exit
+-----+

Choice :: 4

=====
Search Product Category :: artifact
=====

press [N] to see the next
press [X] to exit the view

      ID      NAME      CATEGORY      DESCRIPTION      UNIT PRICE      QUANTITY      DISCOUNTED PRICE
30303    moonrock    artifact    natural rock from Mars    100000.00         3

Enter choice: n

>>----->>
```

18. Show Products by Name. Input name: rock **MATCHED**

```
| [5] Search Products by Name
| [6] Add to Cart
| [7] Edit Cart
| [8] Check Out
| [9] Display / Compare Items
| [0] Exit
+-----+

Choice :: 5

= = = = = SEARCH PRODUCTS BY NAME = = = = =

Search Item Name :: rock

=====
press [N] to see the next
press [X] to exit the view

=====

ID          NAME          CATEGORY      DESCRIPTION      UNIT PRICE      QUANTITY      DISCOUNTED PRICE
22322      rocksalt      condiment      natural sea salt      10.00           500

Enter choice: n

=====
press [N] to see the next
press [X] to exit the view

=====

ID          NAME          CATEGORY      DESCRIPTION      UNIT PRICE      QUANTITY      DISCOUNTED PRICE
30303      moonrock      artifact      natural rock from Mars      100000.00       3

Enter choice: n

>>----->>
|                                     |
```

19. Add to Cart the following items: **MATCHED**

19.1

```
[3] Search Products by Name
[6] Add to Cart
[7] Edit Cart
[8] Check Out
[9] Display / Compare Items
[0] Exit

Choice :: 6

===== ADD TO CART =====

Enter Product ID :: 222

Xx PRODUCT ID NOT FOUND xX

>>----->>
| PURCHASES FROM SELECTED ITEMS |
| ARE ENTITLED TO DISCOUNTS   |
>>----->>

+ - - - - - ACTION: B U Y - - - - +
|
| [1] View All Products
| [2] View Discounted Products
| [3] Show All Products by Specific Seller
| [4] Search Products by Category
| [5] Search Products by Name
| [6] Add to Cart
| [7] Edit Cart
| [8] Check Out
| [9] Display / Compare Items
| [0] Exit
|
+ - - - - -

Choice :: 6

===== ADD TO CART =====

Enter Product ID :: 70007
Enter Product Quantity :: 9

Xx INVALID QUANTITY xX

>>----->>
| PURCHASES FROM SELECTED ITEMS |
| ARE ENTITLED TO DISCOUNTS   |
>>----->>
```

19.2

```
Choice :: 6

===== ADD TO CART =====

Enter Product ID :: 70007
Enter Product Quantity :: 3

PRODUCT INFORMATION :

=====
ID          NAME          CATEGORY    DESCRIPTION          UNIT PRICE    QUANTITY    DISCOUNTED PRICE
70007       earrings       jewelry     snap-on drop earrings 2000.00       5
=====

-- Quantity :: 3
-- Subtotal :: 6000.00

<<>><<>><<>><<>><<>>
<<                >>
<< [1] Confirm    >>
<< [2] Re- Enter  >>
<< [0] Cancel     >>
<<                >>
<<>><<>><<>><<>><<>>

Choice :: 1

. . . PRODUCT ADDED TO CART . . .

>>----->>
| PURCHASES FROM SELECTED ITEMS |
| ARE ENTITLED TO DISCOUNTS   |
>>----->>
```

19.3

```
Choice :: 6

===== ADD TO CART =====

Enter Product ID :: 30303
Enter Product Quantity :: 2

PRODUCT INFORMATION :

=====
ID          NAME          CATEGORY    DESCRIPTION          UNIT PRICE    QUANTITY    DISCOUNTED PRICE
30303       moonrock       artifact    natural rock from Mars 100000.00     3
=====

-- Quantity :: 2
-- Subtotal :: 200000.00

<<>><<>><<>><<>><<>>
<<                >>
<< [1] Confirm    >>
<< [2] Re- Enter  >>
<< [0] Cancel     >>
<<                >>
<<>><<>><<>><<>><<>>

Choice :: 1

. . . PRODUCT ADDED TO CART . . .

>>----->>
| PURCHASES FROM SELECTED ITEMS |
| ARE ENTITLED TO DISCOUNTS   |
>>----->>
```

19.4

```
Choice :: 6

= = = = = ADD TO CART = = = = =

Enter Product ID :: 22322
Enter Product Quantity :: 100

PRODUCT INFORMATION :

=====
ID          NAME          CATEGORY  DESCRIPTION          UNIT PRICE  QUANTITY  DISCOUNTED PRICE
22322      rocksalt      condiment  natural sea salt          10.00        500
=====

-- Quantity :: 100
-- Subtotal :: 1000.00

<<>><<>><<>><<>><<>>
<<                >>
<< [1] Confirm    >>
<< [2] Re- Enter  >>
<< [0] Cancel     >>
<<                >>
<<>><<>><<>><<>><<>>

Choice :: 1

. . . PRODUCT ADDED TO CART . . .

>>----->>
| PURCHASES FROM SELECTED ITEMS |
```

19.5

```
= = = = = ADD TO CART = = = = =

Enter Product ID :: 68888
Enter Product Quantity :: 2

PRODUCT INFORMATION :

=====
ID          NAME          CATEGORY  DESCRIPTION          UNIT PRICE  QUANTITY  DISCOUNTED PRICE
68888      ring          jewelry   white gold with gems    8080.80        12
=====

-- Quantity :: 2
-- Subtotal :: 16161.60

<<>><<>><<>><<>><<>>
<<                >>
<< [1] Confirm    >>
<< [2] Re- Enter  >>
<< [0] Cancel     >>
<<                >>
<<>><<>><<>><<>><<>>

Choice :: 1

. . . PRODUCT ADDED TO CART . . .

>>----->>
| PURCHASES FROM SELECTED ITEMS |
```

19.6

```

Choice :: 6
- - - - - ADD TO CART - - - - -

Enter Product ID :: 999
Enter Product Quantity :: 6

PRODUCT INFORMATION :
-----
ID          NAME          CATEGORY      DESCRIPTION          UNIT PRICE    QUANTITY    DISCOUNTED PRICE
999        bucheron          food          chicken-based snack    219.50         14
-----

-- Quantity :: 6
-- Subtotal :: 1317.00

<<>><<>><<>><<>><<>>
<<                >>
<< [1] Confirm    >>
<< [2] Re- Enter  >>
<< [0] Cancel     >>
<<                >>
<<>><<>><<>><<>><<>>

Choice :: 1

. . . PRODUCT ADDED TO CART . . .

>>----->>
| PURCHASES FROM SELECTED ITEMS |

```

19.7

```

- - - - - ADD TO CART - - - - -

Enter Product ID :: 999
Enter Product Quantity :: 4

PRODUCT INFORMATION :

=====
ID          NAME          CATEGORY    DESCRIPTION        UNIT PRICE   QUANTITY   DISCOUNTED PRICE
999         bucheron           food       chicken-based snack      219.50         14
=====

-- Quantity :: 4
-- Subtotal :: 878.00

<<>><><><><><><>
<<                >>
<< [1] Confirm     >>
<< [2] Re- Enter   >>
<< [0] Cancel      >>
<<                >>
<<>><>><>><>><>><>>

Choice :: 1

. . . PRODUCT ADDED TO CART . . .

>>----->>

```

19.8 Display

- - - - - DISPLAY / COMPARE ITEMS IN CART - - - - -							
< < YOUR CART > >							
SELLER ID	PRODUCT ID	NAME	QUANTITY	UNIT PRICE	TOTAL PRICE	LESS	SUBTOTAL
567	70007	earrings	3	2000.00	6000.00		6000.00
540	30303	moonrock	2	100000.00	200000.00		200000.00
861	22322	rocksalt	100	10.00	1000.00		1000.00
567	68888	ring	2	8080.80	16161.60		16161.60
35	999	bucheron	10	219.50	2195.00		2195.00

20. Edit Cart, Edit Quantity, enter product ID 30303 and quantity 1. Remove all items from seller with id 861. Finish Edit Cart. *[Expected Result: product id 30303 in cart has quantity 1, product id 22322 removed from cart].* **MATCHED**

```

~ ~ ~ ~ ~ EDIT QUANTITY ~ ~ ~ ~ ~

Enter Product ID :: 30303
Enter New Quantity :: 1

-----

< < YOUR CART > >
SELLER ID      PRODUCT ID      NAME      QUANTITY      UNIT PRICE      TOTAL PRICE      LESS      SUBTOTAL

      567      70007      earrings      3      2000.00      6000.00      6000.00
      540      30303      moonrock      1     100000.00     100000.00     100000.00
      861      22322      rocksalt     100        10.00      1000.00      1000.00
      567      68888      ring         2      8080.80     16161.60     16161.60
      35       999      bucheron     10       219.50      2195.00      2195.00

-----

+ - - - - EDIT  CART - - - - +
|                               |
| [1] Remove All Items From Seller |
| [2] Remove Specific Item         |
| [3] Edit Quantity               |
| [0] Finish Edit Cart            |
|                               |
+ - - - - - - - - - - - - +

Choice :: 1

~ ~ ~ ~ ~ REMOVE ALL SELLER ITEMS ~ ~ ~ ~ ~

Enter Seller ID :: 861

-----

< < YOUR CART > >
SELLER ID      PRODUCT ID      NAME      QUANTITY      UNIT PRICE      TOTAL PRICE      LESS      SUBTOTAL

      567      70007      earrings      3      2000.00      6000.00      6000.00
      540      30303      moonrock      1     100000.00     100000.00     100000.00
      35       999      bucheron     10       219.50      2195.00      2195.00
      567      68888      ring         2      8080.80     16161.60     16161.60

-----
```

MATCHED (except not sorted like the expected result)

21.2

```

+-----+
                                H A V E N B R O O K   I N C .
                                Babs, 567
                                Looney Tune Town

BUYER INFO                                TRANSACTION DATE : 3 / 23 / 2020
ID NO : 329
NAME : NCheng
ADDRESS : DLSU

PRODUCT ID      ITEM NAME      QUANTITY      UNIT PRICE      DISCOUNT (%)      SUBTOTAL
=====
70007      earrings      3      2000.00      6000.00
68888      ring      2      8080.80      16161.60
=====
                                TOTAL :      22161.60
+-----+
                                <<  END  >>

```

(Inpreferably use Press N1 to show next transaction)

21.3

H A V E N B R O O K I N C . Nats, 35 Pasay					
BUYER INFO			TRANSACTION DATE : 3 / 23 / 2020		
ID NO : 329					
NAME : NCheng					
ADDRESS : DLSU					
PRODUCT ID	ITEM NAME	QUANTITY	UNIT PRICE	DISCOUNT (%)	SUBTOTAL
=====					
999	bucheron	10	219.50		2195.00
=====					
TOTAL :					2195.00
<< END >>					

10 999 bucheron 219.50 2195.00

Payable to: 35 Nats Total Amount: 2195.00

(preferably, user Press N to go back to menu)]

21.4

H A V E N B R O O K I N C . Marvin, 540 Mars					
BUYER INFO			TRANSACTION DATE : 3 / 23 / 2020		
ID NO : 329					
NAME : NCheng					
ADDRESS : DLSU					
PRODUCT ID	ITEM NAME	QUANTITY	UNIT PRICE	DISCOUNT (%)	SUBTOTAL
=====					
30303	moonrock	1	100000.00		100000.00
=====					
TOTAL :					100000.00
<< END >>					

1 30303 moonrock 100000.00 100000.00

Payable to: 540 Marvin Total Amount: 100000.00

(preferably, user Press N to show next transaction)

22. Exit Check Out menu. Exit Buy Menu. Exit User Menu. Now that you are in the Main Menu, go back to User Menu. Login using id 35 with password nlc111. Go to Sell Menu, Show My Low Stock Products.

MATCHED

```
- - - - - L O G   I N - - - - -
ID :: 35
Password :: nlc111
- - - - -

+ - - - - - U S E R   M E N U - - - - - +
|
| [1] Sell Menu
| [2] Buy Menu
| [3] Show Transactions
| [0] Exit
|
+ - - - - - +

Enter Choice :: 1

+ - - - - - ACTION: S E L L - - - - - +
|
| [1] Add New Item
| [2] Edit Stock
| [3] Show My Products
| [4] Show My Low Stock Products
| [5] Add Discount
| [6] Remove Discount
| [0] Exit
|
+ - - - - - +

Choice :: 4

=====
= = = = = M Y   L O W   S T O C K   P R O D U C T   = = = = =
=====

press [N] to see the next
press [X] to exit the view

      ID      NAME      CATEGORY      DESCRIPTION      UNIT PRICE      QUANTITY      DISCOUNTED PRICE
    999    bucheron    food    chicken-based snack    219.50         4

Enter choice: N

+ - - - - - ACTION: S E L L - - - - - +
```

23. Exit Sell Menu. Go to Buy Menu, Add to Cart product id 30303 with quantity 1. Exit Buy Menu. Exit User Menu. [Expected result: 35.bag created with 1 element] **MATCHED**



```
+-----+
|                                     |
| Choice :: 0                         |
|                                     |
| . . . EXIT FROM BUY MENU . . .     |
|                                     |
+-----+
| [1] Sell Menu                      |
| [2] Buy Menu                      |
| [3] Show Transactions              |
| [0] Exit                          |
+-----+
|                                     |
| Enter Choice :: 0                  |
|                                     |
| . . . EXIT FROM ACTIONS . . .     |
|                                     |
+-----+
| [1] Register                      |
| [2] User Menu                    |
| [3] Admin                        |
| [0] Exit                          |
+-----+
|                                     |
| Enter Choice ::                    |
|                                     |
+-----+
```

24. Now in the Main Menu, go to Admin Menu, input the correct password, Show Total Sales in Given Duration. Input Date (equivalent to): February 1, 2020 to March 30, 2020. [Expected output: Php124356.60] **MATCHED**

```
Enter Choice :: 3

Enter Admin Password
Password :: H3LLo?

+-----+
| [1] Show All Users                |
| [2] Show All Sellers              |
| [3] Show Total Sales in Given Duration |
| [4] Show Seller Sales              |
| [5] Show Shopaholics              |
| [6] Show All Transactions by Specific Seller |
| [7] Show All Transactions by Specific Buyer |
| [0] Exit                          |
+-----+

Choice :: 3

- - - - - SHOW TOTAL SALES IN GIVEN DURATION - - - - -

Enter Start Date

( INPUT SHOULD BE IN NUMERIC !! )
Enter Month : 1
Enter Day : 1
Enter Year : 2020

Enter End Date

( INPUT SHOULD BE IN NUMERIC !! )
Enter Month : 3
Enter Day : 30
Enter Year : 2020

Date :: 1 / 1 / 2020 - 3 / 30 / 2020
The total amount of all transactions : 124356.60

+-----+
| [1] Show All Users                |
| [2] Show All Sellers              |
+-----+
```

25. Back to Main Menu. Exit Main Menu. [Expected Result: Users.txt will be overwritten and should now contain total of 8 accounts. Items.txt will be overwritten and should now contain total of 9 items. Program terminates properly.] **MATCHED**

25.1 Users.txt		25.2 Items.txt	
Original text file	After	Original text file	After
<div>Users - Notepad</div> <div>File Edit Format View Help</div> <div>567 bunny Babs Looney Tune Town 900900 777 devil Taz Tasmania 10001 642 bunny Bugs Looney Toon Town 900900 861 hunter Elmer Fuddville 98765 540 george Marvin Mars 888888</div>	<div>Users - Notepad</div> <div>File Edit Format View Help</div> <div>35 nlc111 Nats Pasay 19999999 329 abc NCheng DLSU 85244611 456 xxx909 BBB Taft Ave. 22222222 540 george Marvin Mars 888888 567 bunny Babs Looney Tune Town 900900 642 bunny Bugs Looney Toon Town 900900 777 devil Taz Tasmania 10001 861 hunter Elmer Fuddville 98765</div>	<div>Items - Notepad</div> <div>File Edit Format View Help</div> <div>80808 567 necklace jewelry chain with pendant 12 8080.80 81918 567 bracelet jewelry chain with 5 charms 6 8191.80 68888 567 ring jewelry white gold with gems 12 8080.80 71717 861 venison meat lean fillet 20 700.00 30303 540 moonrock artifact natural rock from Mars 3 100000.00 70007 567 earrings jewelry snap-on drop earrings 5 2000.00 22322 861 rocksalt condiment natural sea salt 500 10.00</div>	<div>Items - Notepad</div> <div>File Edit Format View Help</div> <div>68888 567 ring jewelry white gold with gems 10 8080.80 70007 567 earrings jewelry snap-on drop earrings 2 2000.00 71717 861 venison meat lean fillet 20 700.00 80808 567 necklace jewelry chain with pendant 12 8080.80 81918 567 bracelet jewelry chain with 5 charms 6 8191.80</div>

26. With all the updated files from the previous run, run the program again. In the Main Menu, go to User Menu, log in using user id 35 with the correct password. Go to Buy Menu, Check-out Menu, input date equivalent to May 5, 2020. Check-out by Specific seller with id: 540. *[Expected output: 1 transaction shown on screen and added to the Transactions.dat file.]* **MATCHED**

26.1

```
>>----->>
| PURCHASES FROM SELECTED ITEMS |
| ARE ENTITLED TO DISCOUNTS   |
|----->>
+ - - - - - ACTION: B U Y - - - - - +
| [1] View All Products          |
| [2] View Discounted Products  |
| [3] Show All Products by Specific Seller |
| [4] Search Products by Category |
| [5] Search Products by Name    |
| [6] Add to Cart                |
| [7] Edit Cart                  |
| [8] Check Out                  |
| [9] Display / Compare Items    |
| [0] Exit                       |
+ - - - - - +

Choice :: 8

      ( INPUT SHOULD BE IN NUMERIC !! )
Enter Month : 5
Enter Day : 5
Enter Year : 2020

      <<>><<>><<>><<>><<>>
      <<                               >>
      << [1] Confirm                     >>
      << [2] Re- Enter                   >>
      << [0] Cancel                       >>
      <<                               >>
      <<>><<>><<>><<>><<>>

      Choice :: 1

      . . . SUCCESSFULLY ENTERED DATE . . .

Entered Date : 5 / 5 / 2020
+ - - - - - CHECK OUT - - - - - +
| [1] All                               |
| [2] By a Specific Seller              |
| [3] Specific Item                     |
|----->>
```

26.2

```
| [0] Exit |
+-----+
Choice :: 2

- - - - - SPECIFIC SELLER - - - - -
Enter Seller ID :: 540

+-----+
| H A V E N B R O O K   I N C . |
| Marvin, 540                     |
| Mars                           |
|-----+

BUYER INFO                                TRANSACTION DATE : 5 / 5 / 2020
ID NO : 35
NAME : Nats
ADDRESS : Pasay

PRODUCT ID      ITEM NAME      QUANTITY      UNIT PRICE      DISCOUNT (%)      SUBTOTAL
=====
30303      moonrock              1      100000.00              100000.00
=====

TOTAL :      100000.00

+-----+

<< END >>

Entered Date : 5 / 5 / 2020
+ - - - - - CHECK OUT - - - - - +
```

27. Exit Check Out menu. Exit Buy Menu. Exit User Menu. Now back in main menu, go to Admin Menu, input correct password, Show Seller Sales for dates (equivalent to): March 15, 2020 to May 15, 2020.

NOT A MATCH (not sorted like in the expected result in the demo script)

```
+ - - - - - A D M I N   M E N U   - - - - - +
|
| [1] Show All Users
| [2] Show All Sellers
| [3] Show Total Sales in Given Duration
| [4] Show Seller Sales
| [5] Show Shopaholics
| [6] Show All Transactions by Specific Seller
| [7] Show All Transactions by Specific Buyer
| [0] Exit
|
+ - - - - - +

Choice :: 4

- - - - - SHOW SELLER SALES - - - - -

Enter Start Date

      ( INPUT SHOULD BE IN NUMERIC !! )
Enter Month : 3
Enter Day   : 15
Enter Year  : 2020

Enter End Date

      ( INPUT SHOULD BE IN NUMERIC !! )
Enter Month : 5
Enter Day   : 15
Enter Year  : 2020

Date ::  3 / 15 / 2020 - 5 / 15 / 2020
=====
      SELLER ID      SELLER NAME      AMOUNT
      -----
          567      Babs      22161.60
           35      Nats      2195.00
          540      Marvin      200000.00
=====

+ - - - - - A D M I N   M E N U   - - - - - +
|
| [1] Show All Users
```

28. Show Shopaholics. Input dates (equivalent to): May 1, 2020 to May 20, 2020. **MATCHED**

```
| [5] Show Shopaholics |
| [6] Show All Transactions by Specific Seller |
| [7] Show All Transactions by Specific Buyer |
| [0] Exit |
+-----+

Choice :: 5

----- SHOW SHOPAHOLICS -----

Enter Start Date

      ( INPUT SHOULD BE IN NUMERIC !! )
Enter Month : 5
Enter Day : 1
Enter Year : 2020

Enter End Date

      ( INPUT SHOULD BE IN NUMERIC !! )
Enter Month : 5
Enter Day : 20
Enter Year : 2020

Date :: 5 / 1 / 2020 - 5 / 20 / 2020
=====
BUYER ID      BUYER NAME      AMOUNT
-----
      35      Nats      100000.00
-----

+----- ADMIN MENU -----+
```

29. Exit User Menu, Exit Main Menu. *[Expected Result: Program Terminates properly.]* **MATCHED**

```
| [6] Show All Transactions by Specific Seller |
| [7] Show All Transactions by Specific Buyer |
| [0] Exit |
+-----+
Choice :: 0
      . . . EXIT FROM ADMIN MENU . . .
+-----MAIN MENU-----+
| [1] Register |
| [2] User Menu |
| [3] Admin |
| [0] Exit |
+-----+
Enter Choice :: 0
      >>-- D O N E --<<
th return value 0
```


30.1

30.1 If seller has no products sold

```
[1] Show All Users
[2] Show All Sellers
[3] Show Total Sales in Given Duration
[4] Show Seller Sales
[5] Show Shopaholics
[6] Show All Transactions by Specific Seller
[7] Show All Transactions by Specific Buyer
[0] Exit
+-----+

Choice :: 6

----- SHOW ALL TRANSACTIONS BY SPECIFIC SELLER -----

ENTER SELLER ID :: 35

TRANSACTIONS OF Nats, 35

Enter Start Date

( INPUT SHOULD BE IN NUMERIC !! )
Enter Month : 3
Enter Day : 1
Enter Year : 2020

Enter End Date

( INPUT SHOULD BE IN NUMERIC !! )
Enter Month : 5
Enter Day : 15
Enter Year : 2020

Date :: 3 / 1 / 2020 - 5 / 15 / 2020
=====
SELLER ID      SELLER NAME      AMOUNT
-----
35            Nats            2195.00

SUMMARY OF PRODUCTs SOLD

DATE      BUYER NAME      ITEM NAME      QUANTITY      PRICE
3 / 23 / 2020      NCheng      bucheron      10      2195.00
-----

+----- ADMIN MENU -----+
```

```
+----- ADMIN MENU -----+
[1] Show All Users
[2] Show All Sellers
[3] Show Total Sales in Given Duration
[4] Show Seller Sales
[5] Show Shopaholics
[6] Show All Transactions by Specific Seller
[7] Show All Transactions by Specific Buyer
[0] Exit
+-----+

Choice :: 6

----- SHOW ALL TRANSACTIONS BY SPECIFIC SELLER -----

ENTER SELLER ID :: 329

TRANSACTIONS OF NCheng, 329

Enter Start Date

( INPUT SHOULD BE IN NUMERIC !! )
Enter Month : 1
Enter Day : 1
Enter Year : 2020

Enter End Date

( INPUT SHOULD BE IN NUMERIC !! )
Enter Month : 12
Enter Day : 30
Enter Year : 2020

Date :: 1 / 1 / 2020 - 12 / 30 / 2020

Xx NO TRANSACTIONs TO SHOW xX

-----

+----- ADMIN MENU -----+
```

30.1

30.1 If user has no products bought

```
+ - - - - - A D M I N   M E N U   - - - - - +
|
| [1] Show All Users
| [2] Show All Sellers
| [3] Show Total Sales in Given Duration
| [4] Show Seller Sales
| [5] Show Shopaholics
| [6] Show All Transactions by Specific Seller
| [7] Show All Transactions by Specific Buyer
| [0] Exit
|
+ - - - - - +
```

Choice :: 7

- - - - - SHOW ALL TRANSACTIONS BY SPECIFIC BUYER - - - - -

ENTER BUYER ID :: 35

TRANSACTIONS OF Nats, 35

Enter Start Date

(INPUT SHOULD BE IN NUMERIC !!)

Enter Month : 3

Enter Day : 1

Enter Year : 2020

Enter End Date

(INPUT SHOULD BE IN NUMERIC !!)

Enter Month : 5

Enter Day : 6

Enter Year : 2020

Date :: 3 / 1 / 2020 - 5 / 6 / 2020

SUMMARY OF PRODUCTS BOUGHT

DATE	SELLER NAME	ITEM NAME	QUANTITY	PRICE
5 / 5 / 2020	Marvin	moonrock	1	100000.00
TOTAL : 100000.00				

```
+ - - - - - A D M I N   M E N U   - - - - - +
|
| [1] Show All Users
| [2] Show All Sellers
| [3] Show Total Sales in Given Duration
| [4] Show Seller Sales
| [5] Show Shopaholics
| [6] Show All Transactions by Specific Seller
| [7] Show All Transactions by Specific Buyer
| [0] Exit
|
+ - - - - - +
```

Choice :: 7

- - - - - SHOW ALL TRANSACTIONS BY SPECIFIC BUYER - - - - -

ENTER BUYER ID :: 540

TRANSACTIONS OF Marvin, 540

Enter Start Date

(INPUT SHOULD BE IN NUMERIC !!)

Enter Month : 1

Enter Day : 1

Enter Year : 2020

Enter End Date

(INPUT SHOULD BE IN NUMERIC !!)

Enter Month : 12

Enter Day : 30

Enter Year : 2020

Date :: 1 / 1 / 2020 - 12 / 30 / 2020

Xx NO PRODUCTS TO SHOW xX

```
+ - - - - - A D M I N   M E N U   - - - - - +
```

32. Additional Features: User Menu > Show Transactions

```
+ - - - - - U S E R   M E N U   - - - - - +
|
| [1] Sell Menu
| [2] Buy Menu
| [3] Show Transactions
| [0] Exit
|
+ - - - - - +

Enter Choice :: 3

+ - - - - - SHOW TRANSACTIONS - - - - - +
|
| [1] Items Sold
| [2] Items Bought
| [0] Exit
|
+ - - - - - +

Choice ::
```

32.1 Log in to user 35, password nlc111

32.1.1 Items Sold

```
+ - - - - - SHOW TRANSACTIONS - - - - - +
|
| [1] Items Sold
| [2] Items Bought
| [0] Exit
|
+ - - - - - +

Choice :: 1

- - - - - YOUR   SOLD   PRODUCTS   - - - - -

Enter Start Date
( INPUT SHOULD BE IN NUMERIC !! )
Enter Month : 1
Enter Day : 1
Enter Year : 2020

Enter End Date
( INPUT SHOULD BE IN NUMERIC !! )
Enter Month : 12
Enter Day : 30
Enter Year : 2020

Date :: 1 / 1 / 2020 - 12 / 30 / 2020
-----
SELLER ID      SELLER NAME      AMOUNT
-----
35             Nats              2195.00

SUMMARY OF PRODUCTs SOLD
-----
DATE      BUYER NAME      ITEM NAME      QUANTITY      PRICE
3 / 23 / 2020      NCheng      bucheron      10            2195.00
-----

+ - - - - - SHOW TRANSACTIONS - - - - - +
|
| [1] Items Sold
| [2] Items Bought
| [0] Exit
|
+ - - - - - +

Choice :: 0
```

32.1.2 Items Bought

```
+ - - - - - SHOW TRANSACTIONS - - - - - +
|
| [1] Items Sold
| [2] Items Bought
| [0] Exit
|
+ - - - - - +

Choice :: 2

- - - - - YOUR   BOUGHT   PRODUCTS   - - - - -

Enter Start Date
( INPUT SHOULD BE IN NUMERIC !! )
Enter Month : 1
Enter Day : 1
Enter Year : 2020

Enter End Date
( INPUT SHOULD BE IN NUMERIC !! )
Enter Month : 12
Enter Day : 30
Enter Year : 2020

Date :: 1 / 1 / 2020 - 12 / 30 / 2020

SUMMARY OF PRODUCTs BOUGHT
-----
DATE      SELLER NAME      ITEM NAME      QUANTITY      PRICE
5 / 5 / 2020      Marvin      moonrock      1            100000.00

TOTAL : 100000.00
-----

+ - - - - - SHOW TRANSACTIONS - - - - - +
|
| [1] Items Sold
|
+ - - - - - +
```

32.2.1 User Menu > Show Transaction > Items Sold

```
+ - - - - - SHOW TRANSACTIONS - - - - - +
|
| [1] Items Sold
| [2] Items Bought
| [0] Exit
|
+ - - - - - +

Choice :: 1

- - - - - YOUR SOLD PRODUCTS - - - - -

Enter Start Date

      ( INPUT SHOULD BE IN NUMERIC !! )
Enter Month : 1
Enter Day : 1
Enter Year : 2020

Enter End Date

      ( INPUT SHOULD BE IN NUMERIC !! )
Enter Month : 12
Enter Day : 30
Enter Year : 2020

      Date ::  1 / 1 / 2020 - 12 / 30 / 2020

      Xx NO TRANSACTIONS TO SHOW xX

- - - - -

+ - - - - - SHOW TRANSACTIONS - - - - - +
|
| [1] Items Sold
|
+ - - - - - +
```

32.2.2 User Menu > Show Transaction > Items Bought

```
+ - - - - - SHOW TRANSACTIONS - - - - - +
|
| [1] Items Sold
| [2] Items Bought
| [0] Exit
|
+ - - - - - +

Choice :: 2

- - - - - YOUR BOUGHT PRODUCTS - - - - -

Enter Start Date

      ( INPUT SHOULD BE IN NUMERIC !! )
Enter Month : 3
Enter Day : 15
Enter Year : 2020

Enter End Date

      ( INPUT SHOULD BE IN NUMERIC !! )
Enter Month : 3
Enter Day : 30
Enter Year : 2020

      Date ::  3 / 15 / 2020 - 3 / 30 / 2020

SUMMARY OF PRODUCTS BOUGHT

      DATE          SELLER NAME      ITEM NAME      QUANTITY      PRICE
3 / 23 / 2020      Babs          earrings        3             6000.00
3 / 23 / 2020      Babs          ring            2             16161.60
3 / 23 / 2020      Nats          bucheron       10            2195.00
3 / 23 / 2020      Marvin          moonrock        1            100000.00

TOTAL : 124356.60

- - - - -

+ - - - - - SHOW TRANSACTIONS - - - - - +
|
| [1] Items Sold
|
+ - - - - - +
```

Log in to user: 567, password bunny

33.1 Show products without discount

```

- - - - - L O G   I N - - - - -
ID :: 567
Password :: bunny
- - - - -

+ - - - - - U S E R   M E N U   - - - - - +
| [1] Sell Menu                               |
| [2] Buy Menu                               |
| [3] Show Transactions                       |
| [0] Exit                                   |
+ - - - - - +

Enter Choice :: 1

+ - - - - - ACTION: S E L L - - - - - +
| [1] Add New Item                           |
| [2] Edit Stock                             |
| [3] Show My Products                       |
| [4] Show My Low Stock Products             |
| [5] Add Discount                           |
| [6] Remove Discount                       |
| [0] Exit                                   |
+ - - - - - +

Choice :: 3
-----
- - - - - P R O D U C T   L I S T   - - - - -
-----
      ID      NAME      CATEGORY      DESCRIPTION      UNIT PRICE      QUANTITY      DISCOUNTED PRICE
68888    ring      jewelry      white gold with gems      8080.80           10
70007    earrings    jewelry      snap-on drop earrings      2000.00            2
80808    necklace    jewelry      chain with pendant        8080.80           12
81918    bracelet    jewelry      chain with 5 charms        8191.80            6
-----
+ - - - - - ACTION: S E L L - - - - - +

```

33.2 Add discount to all items, then show products

```
+ - - - - - DISCOUNT: ADD - - - - - +
Enter Discount in (%) :: 6

<<>><<>><<>><<>><<>>
<<                                     >>
<< Apply to All Items? >>
<<                                     >>
<< [1] Yes                               >>
<< [2] No                               >>
<<                                     >>
<<>><<>><<>><<>><<>><<>>

Choice :: 1

- - - - -

+ - - - - - ACTION: S E L L - - - - - +
| [1] Add New Item                      |
| [2] Edit Stock                       |
| [3] Show My Products                 |
| [4] Show My Low Stock Products       |
| [5] Add Discount                     |
| [6] Remove Discount                  |
| [0] Exit                             |
+ - - - - -

Choice :: 3

===== P R O D U C T   L I S T =====
=====
ID      NAME      CATEGORY  DESCRIPTION      UNIT PRICE  QUANTITY  DISCOUNTED PRICE
68888   ring           jewelry    white gold with gems      8080.80    10        7595.95
70007   earrings       jewelry    snap-on drop earrings     2000.00    2         1880.00
80808   necklace       jewelry    chain with pendant        8080.80    12        7595.95
81918   bracelet       jewelry    chain with 5 charms       8191.80    6         7700.29
=====
```

33.3 Remove discount to all items, then show products

```
+ - - - - - DISCOUNT: REMOVE - - - - - +

<<>><<>><<>><<>><<>>
<<                                     >>
<< Apply to All Items? >>
<<                                     >>
<< [1] Yes                               >>
<< [2] No                               >>
<<                                     >>
<<>><<>><<>><<>><<>>

Choice :: 1

Xx DISCOUNT REMOVED SUCCESSFULLY FOR ITEM < 68888 > xX
Xx DISCOUNT REMOVED SUCCESSFULLY FOR ITEM < 70007 > xX
Xx DISCOUNT REMOVED SUCCESSFULLY FOR ITEM < 80808 > xX
Xx DISCOUNT REMOVED SUCCESSFULLY FOR ITEM < 81918 > xX

- - - - -

+ - - - - - ACTION: S E L L - - - - - +
| [1] Add New Item                      |
| [2] Edit Stock                       |
| [3] Show My Products                 |
| [4] Show My Low Stock Products       |
| [5] Add Discount                     |
| [6] Remove Discount                  |
| [0] Exit                             |
+ - - - - -

Choice :: 3

===== P R O D U C T   L I S T =====
=====
ID      NAME      CATEGORY  DESCRIPTION      UNIT PRICE  QUANTITY  DISCOUNTED PRICE
68888   ring           jewelry    white gold with gems      8080.80    10        7595.95
70007   earrings       jewelry    snap-on drop earrings     2000.00    2         1880.00
80808   necklace       jewelry    chain with pendant        8080.80    12        7595.95
81918   bracelet       jewelry    chain with 5 charms       8191.80    6         7700.29
=====
```

33.4 Add discount to product id 68888, then show products

```
+ - - - - - DISCOUNT: ADD - - - - - +
Enter Discount in (%) :: 5

<<>><<>><<>><<>><<>>
<< >>
<< Apply to All Items? >>
<< >>
<< [1] Yes >>
<< [2] No >>
<< >>
<<>><<>><<>><<>><<>>

Choice :: 2

Enter Product ID :: 68888

- - - - -

+ - - - - - ACTION: S E L L - - - - - +
| [1] Add New Item |
| [2] Edit Stock |
| [3] Show My Products |
| [4] Show My Low Stock Products |
| [5] Add Discount |
| [6] Remove Discount |
| [0] Exit |
+ - - - - - +

Choice :: 3

=====
= = = = = P R O D U C T L I S T = = = = =
=====

ID          NAME          CATEGORY  DESCRIPTION          UNIT PRICE    QUANTITY    DISCOUNTED PRICE
68888      ring          jewelry   white gold with gems    8080.80        10          7676.76
70007      earrings      jewelry   snap-on drop earrings   2000.00         2
80808      necklace      jewelry   chain with pendant      8080.80        12
81918      bracelet      jewelry   chain with 5 charms     8191.80         6
```

34. Additional Features: View Discounted Products in Buy Menu

MATCHED

Log in to user 35, nlc111

34.1 Buy menu -> view discounted products

```
===== VIEW DISCOUNTED PRODUCTS =====
press [N] to see the next
press [X] to exit the view

Seller : 567, Babs

      ID      NAME      CATEGORY      DESCRIPTION      UNIT PRICE      QUANTITY      DISCOUNTED PRICE
    68888    ring      jewelry      white gold with gems      8080.80          10          7676.76

Enter choice: n
```

34.2 Buy menu -> Show products

```
===== VIEW ALL PRODUCTS =====
press [N] to see the next
press [X] to exit the view

Seller : 329, NCheng

      ID      NAME      CATEGORY      DESCRIPTION      UNIT PRICE      QUANTITY      DISCOUNTED PRICE
    212    gasul      cooking      LPG              700.00          10
    222    bigas      food        Fragrant Dinorado      68.95           7

Enter choice: n
=====
press [N] to see the next
press [X] to exit the view

Seller : 540, Marvin

      ID      NAME      CATEGORY      DESCRIPTION      UNIT PRICE      QUANTITY      DISCOUNTED PRICE
    30303    moonrock      artifact      natural rock from Mars      100000.00         1

Enter choice: n
=====
press [N] to see the next
press [X] to exit the view

Seller : 567, Babs

      ID      NAME      CATEGORY      DESCRIPTION      UNIT PRICE      QUANTITY      DISCOUNTED PRICE
    68888    ring      jewelry      white gold with gems      8080.80          10          7676.76
    70007    earrings      jewelry      snap-on drop earrings      2000.00           2
    80808    necklace      jewelry      chain with pendant      8080.80          12
    81918    bracelet      jewelry      chain with 5 charms      8191.80           6

Enter choice: n
=====
press [N] to see the next
press [X] to exit the view

Seller : 861, Elmer

      ID      NAME      CATEGORY      DESCRIPTION      UNIT PRICE      QUANTITY      DISCOUNTED PRICE
    22322    rocksalt      condiment      natural sea salt      10.00           500
    71717    venison      meat          lean fillet      700.00           20

Enter choice: n
```


34.3 Buy menu -> Show specific seller

```

= = = = = SHOW ALL PRODUCTS BY A SPECIFIC SELLER = = = = =

Search Seller ID :: 567

ID      NAME      CATEGORY  DESCRIPTION      UNIT PRICE      QUANTITY      DISCOUNTED PRICE
68888   ring           jewelry    white gold with gems      8080.80         10            7676.76
70007   earrings       jewelry    snap-on drop earrings     2000.00         2
80808   necklace       jewelry    chain with pendant        8080.80        12
81918   bracelet       jewelry    chain with 5 charms       8191.80         6

=====

>>----->>
| PURCHASES FROM SELECTED ITEMS |

```

34.4 Buy menu -> add cart: product 68888, qty 5

```

= = = = = ADD TO CART = = = = =

Enter Product ID :: 68888
Enter Product Quantity :: 5

PRODUCT INFORMATION :

=====
ID      NAME      CATEGORY  DESCRIPTION      UNIT PRICE      QUANTITY      DISCOUNTED PRICE
68888   ring           jewelry    white gold with gems      8080.80         10            7676.76
=====

-- Quantity :: 5
-- Subtotal :: 38383.80

<<>><<>><<>><<>><<>>
<<                               >>
<< [1] Confirm                    >>
<< [2] Re- Enter                  >>
<< [0] Cancel                     >>
<<                               >>
<<>><<>><<>><<>><<>>

Choice :: 1

. . . PRODUCT ADDED TO CART . . .

>>----->>

```

34.5 Buy menu -> Go to [9] Display / Compare Items

```
[7] Edit Cart
[8] Check Out
[9] Display / Compare Items
[0] Exit
+-----+

Choice :: 9

+-----+
- - - - - DISPLAY / COMPARE ITEMS IN CART - - - - - +
< < YOUR CART > >
SELLER ID      PRODUCT ID      NAME      QUANTITY      UNIT PRICE      TOTAL PRICE      LESS      SUBTOTAL
      567           68888    ring              5          8080.80        40404.00        2020.20        38383.80
-----
>>----->>
| PURCHASES FROM SELECTED ITEMS |
| ARE ENTITLED TO DISCOUNTS   |
|-----|
```

34.6 So if, I changed the discounted price from 5% to 2% on the same item then in display/ compare items will have a message

```
[9] Display / Compare Items
[0] Exit
+-----+

Choice :: 9

+-----+
- - - - - DISPLAY / COMPARE ITEMS IN CART - - - - - +
SUBTOTAL PRICE IN CART FOR PRODUCT ID < 68888 > HAS CHANGED
-> PREVIOUS SUBTOTAL : 38383.80
-> NEW SUBTOTAL : 39595.92

<< UPDATED PRODUCT DATA WILL BE APPLIED ON CHECKOUT
GO TO EDIT CART MENU TO EDIT THE ITEM >>

< < YOUR CART > >
SELLER ID      PRODUCT ID      NAME      QUANTITY      UNIT PRICE      TOTAL PRICE      LESS      SUBTOTAL
      567           68888    ring              5          8080.80        40404.00        2020.20        38383.80
-----
>>----->>
| PURCHASES FROM SELECTED ITEMS |
| ARE ENTITLED TO DISCOUNTS   |
|-----|
```

34.6 So if, you remove then add the same product to the cart again then display/ compare, there will be no error message

```

+-----+
| [8] Check Out |
| [9] Display / Compare Items |
| [0] Exit |
+-----+
Choice :: 9

+-----+
| < < YOUR CART > > |
| SELLER ID | PRODUCT ID | NAME | QUANTITY | UNIT PRICE | TOTAL PRICE | LESS | SUBTOTAL |
+-----+
| 567 | 68888 | ring | 5 | 8080.80 | 40404.00 | 808.08 | 39595.92 |
+-----+

>>----->>
| PURCHASES FROM SELECTED ITEMS |

```

35. Not additional feature: if the quantity in the cart is set to 0

MATCHED

[illegible]

35.1 If no, then the item stays in the cart but will not be checked out

```

<<><<><<><<><<><<><<><<><<><<>
<<      >>
<< Do You Want to Remove This Item?   >>
<<                                     >>
<< [1] Yes                             >>
<< [2] No                              >>
<<                                     >>
<<><<><<><<><<><<><<><<><<><<>

Choice :: 2


Xx QUANTITY SET TO 0. THIS ITEM WONT BE CHECKED OUT xx

```

```

< < YOUR CART > >
SELLER ID    PRODUCT ID    NAME                QUANTITY    UNIT PRICE    TOTAL PRICE    LESS    SUBTOTAL

567          68888         ring              0           8080.80       0.00             0.00

```

```

+ - - - - EDIT  CART - - - - - +
|                               |
| [1] Remove All Items From Seller |
|                               |

```

35.2 If yes, item will be removed from the cart

```

~ ~ ~ ~ ~ EDIT QUANTITY ~ ~ ~ ~ ~
Enter Product ID :: 68888
Enter New Quantity :: 0

<><><><><><><><><><><><><>
<<                                     >>
<< Do You Want to Remove This Item?   >>
<<                                     >>
<< [1] Yes                             >>
<< [2] No                              >>
<<                                     >>
<<                                     >>
<<><><><><><><><><><><><><><>

Choice :: 1

      Xx ITEM REMOVED FROM THE CART xX


+ - - - - EDIT    CART - - - - +
|                               |
| [1] Remove All Items From Seller |
| [2] Remove Specific Item         |
| [3] Edit Quantity                |
| [0] Finish Edit Cart             |
|                               |
+ - - - - - - - - - - - - +

Choice :: 0

      . . . FINISH EDIT CART . . .

>>----->>
PURCHASES FROM SELECTED ITEMS

```

35.2.1 Display/ compare items

```
>>----->>
|          PURCHASES FROM SELECTED ITEMS          |
|          ARE ENTITLED TO DISCOUNTS             |
|-----|
+ - - - - - ACTION: B U Y - - - - - +
|
| [1] View All Products
| [2] View Discounted Products
| [3] Show All Products by Specific Seller
| [4] Search Products by Category
| [5] Search Products by Name
| [6] Add to Cart
| [7] Edit Cart
| [8] Check Out
| [9] Display / Compare Items
| [0] Exit
|
+ - - - - - +

```

Choice :: 9

Xx EMPTY CART xX

```
>>----->>
```

36. Additional Feature: Reduce Quantity in Sell Menu MATCHED

Log in to user 329, password abc

36.1 Edit item 212, reduce quantity 5 -> show products

```
< < YOUR ITEMS > >
=====
      ID      NAME      CATEGORY      DESCRIPTION      UNIT PRICE      QUANTITY      DISCOUNTED PRICE
      212     gasul     cooking     LPG              700.00          10
      222     bigas     food        Fragrant Dinorado 68.95           7
=====

Enter Product ID :: 212
=====
      ID      NAME      CATEGORY      DESCRIPTION      UNIT PRICE      QUANTITY      DISCOUNTED PRICE
      212     gasul     cooking     LPG              700.00          10
=====

+ - - - - - E D I T   S T O C K - - - - - +
|
| [1] Replenish
| [2] Reduce Quantity
| [3] Change Price
| [4] Change Item Name
| [5] Change Category
| [6] Change Description
| [0] Finish Editing
|
+ - - - - - - - - - - - - - - - - - +

Choice :: 2

~ ~ ~ ~ ~ R E D U C E ~ ~ ~ ~ ~

Reduce Quantity :: 5

=====
      ID      NAME      CATEGORY      DESCRIPTION      UNIT PRICE      QUANTITY      DISCOUNTED PRICE
      212     gasul     cooking     LPG              700.00          5
=====

+ - - - - - E D I T   S T O C K - - - - - +
|
```