

# COMPUTER SCIENCE UNIT 1

## INTERNAL ASSESSMENT

INVENTORY TRACKING SYSTEM: IMPACT CENTRE

NAME:

SCHOOL: Belair High School

TERRITORY: Jamaica

CANDIDATE #:

SCHOOL CODE:

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# INTRODUCTION

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This internal assessment will focus on creating a system in order to manage the inventory for a convenience store. For this purpose, Impact Centre in Mandeville Plaza was selected to be used as the basis of the system to be created because of its varied selection of products. The store's inventory straddles a wide spectrum of goods from beverages to bedding and as such is a perfect model for an inventory logging program. They purchase goods from different retailers all across the island resulting in a near-constant influx of different types of goods into the establishment. Also, sales representatives have to keep constant tabs on inventory in order to make sure they can update the customer about the availability of their products without delay.

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# PROBLEM DEFINITION

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When a customer walks into Impact they are allowed to roam as they like and greeted by a sales representative if it looks like they are having trouble finding what they are looking for. The sales representative must be able to keep track of the inventory so that they can inform the customer whether or not the product is available. Additionally, the inventory is counted by a sales representative every so often in order to ensure that the numbers in the system are correct and to remove any damaged goods from the stock. As such it is necessary to be able to view all inventory in the program.

If the customer requests a product that is on the verge of being depleted then the sales representative needs to place an order to restock before the stock is depleted to ensure constant availability. As such, it would be prudent to implement a function that informs the user when the items are about to run out. Since the amount of stock considered low is different for each item, the user must also be allowed to choose what that amount is.

When they restock or new items are brought in, the program must be updated with new arrivals. Also, when the customer purchases the item(s) through the cashier they have to be deducted from the inventory. Given these conditions, the user must be able to edit the stock

Lastly, as all human-based data entry is prone to error and some items may become obsolete, the program should be able to delete items.

# TEST PLAN

## ADDING STOCK

Variable Name	Test Type	Test Data	Purpose of Data	User's Expected Result	Actual Results
choice	String	@# \$%	To check if program crashes after entering invalid input	Error message will be displayed then menu will start over	Input buffer is cleared, removing incorrect input and re-enters menu function
choice	Integer	1	To enter add stock function	User will be prompted enter number of items they'd like to enter	Switch case functions as intended and enters add stock function
item_no	Integer	^& *(	To check if program crashes after entering invalid input	User will be prompted to press any key and program will return to main menu	Input buffer is cleared, removing incorrect input and re-enters menu function
<b>Return to menu and 1 is selected again</b>					
item_no	Integer	3	To allow user to enter more than 1 item without having to return to menu	User will be prompted to enter data for item structure 3 times in accordance with number entered	Variable is used in for loop to determine number of times the user is prompted to enter data

Variable Name	Test Type	Test Data	Purpose of Data	User's Expected Result	Actual Results
<b>1<sup>st</sup> item</b>					
Item[count].name	String	Welch's Grape Juice	To ensure user can add regular item data to structure properly	User will receive a series of prompts asking them to enter the variable	Data is scanned and stored in count position structure
Item[count].retailer	String	Welch's Concord			
Item[count].id	Integer	12345			
Item[count].cost	Float	290			
item[count].quantity	Integer	4			
Item[count].low	Integer	5			
<b>2<sup>nd</sup> item</b>					
Item[count].name	String	Mekyah	To ensure user can add regular item data to structure properly	User will receive a series of prompts asking them to enter the variable	Data is scanned and stored in count position structure
Item[count].retailer	String	Mekyah Spring Water Ltd.			
Item[count].id	Integer	67890			
Item[count].cost	Float	60			
item[count].quantity	Integer	20			
Item[count].low	Integer	25			
<b>3<sup>rd</sup> item</b>					
Item[count].name	String	Supligen	To ensure user can add regular item data to structure properly	User will receive a series of prompts asking them to enter the variable	Data is scanned and stored in count position structure
Item[count].retailer	String	Seprod Ltd.			
Item[count].id	Integer	95173			
Item[count].cost	Float	246			
item[count].quantity	Integer	106			
Item[count].low	Integer	38			
<b>Return to main menu</b>					
choice	Integer	1	To enter add stock function once more to test invalid inputs while adding stock	User will be prompted to enter number of items they'd like to enter	Switch case functions as intended and enters add stock function
item_no	Integer	1	To allow user to enter 1 item	User will be prompted to enter data for item	variable determines number of times the user is prompted to enter data

Variable Name	Test Type	Test Data	Purpose of Data	User's Expected Result	Actual Results
Item[count].name	Integer	4	To enter name and retailer of item respectively	User will be asked to enter retailer	Data is scanned and stored in count position structure
Item[count].name	Integer	5		User will be prompted to enter id	
Item[count].id	character	n	To ensure program does not crash when entering an invalid input type	User will be prompted to press any key to continue and menu screen will appear	Input buffer is cleared, removing incorrect input and using the last functional input entered instead so data is not lost and the incorrect inputs can later be edited
<b>Return to Main Menu</b>					

### CHECKING ADD STOCK

Variable Name	Test Type	Test Data	Purpose of Data	User's Expected Result	Actual Results
choice	Integer	4	To enter view stock function and check if user can view data that has been entered	All items added in previous table are displayed	A for loop is used to display each count of an item for as long as the count is less than the total amount of items
<b>Return to Main Menu</b>					
choice	Integer	6	To exit program	Program will close	Program is closed
<b>Program is executed again</b>					
choice	Integer	4	To enter view stock function and check if data has been correctly written to the file and can be viewed after exiting and re-entering the program	All items previously added are displayed	A for loop is used to display each count of an item for as long as the count is less than the total amount of items
<b>Return to Main Menu</b>					

## EDITING STOCK

Variable Name	Test Type	Test Data	Purpose of Data	User's Expected Result	Actual Results
<b>choice</b>	Integer	2	To enter edit stock function	User will be asked to choose the item they would like to edit	Switch case functions as intended and enters edit stock function
<b>change</b>	character	n	To test if program will crash from invalid input	Program won't crash but will continue through function	Input buffer is cleared, removing incorrect input and continues through function but does not actually edit any data since there is no input in the buffer – so no data is lost
<b>Back to main menu, 2 is selected for choice again</b>					

N.B. table goes through run 1 of all the variables and then goes to run 2, 3, etc.

Run	Variable Name	Test Type	Test Data	Purpose of Data	User's Expected Result	Actual Results
1	change	Integer	1	To determine which item is to be edited	User will be prompted as to which variable they'd like to edit	Variable will be stored and decremented then used as the position for item whose data will be changed
2			2			
3			3			
4			4			
5			4			
6			4			
1	pick	Integer	1	To determine which variable of the item you would like to edit	User will be prompted to enter item new item name	Variable is used in switch case where each case corresponds to a different variable
2			2			
3			3			
4			4			
5			5			
6			6			
1	Item[change].name	String	Peanut Punch	To overwrite previous data	Program will return to main menu	Variable is overwritten by scanning and storing new data in the position of the old data in the array then rewriting the item structure to the file
2	Item[change].retailer		Spring Mt.			
3	Item[change].id	Integer	159			
4	Item[change].cost	Float	456			
5	item[change].quantity	Integer	753			
6	Item[change].low	Integer	20			
<b>Return to main menu</b>						



## CHECKING EDIT STOCK

Variable Name	Test Type	Test Data	Purpose of Data	User's Expected Result	Actual Results
choice	Integer	4	To enter view stock function and check if edited items display correctly	All items edited in previous table are displayed	A for loop is used to display each count of an item for as long as the count is less than the total amount of items
<b>Return to Main Menu</b>					
choice	Integer	6	To exit program	Program will close	Program is closed
<b>Program is executed again</b>					
choice	Integer	4	To check if files are working and data can be viewed after exiting and re-entering the program	All items previously edited are displayed	A for loop is used to display each count of an item for as long as the count is less than the total amount of items

DONOR

## DELETE STOCK

Variable Name	Test Type	Test Data	Purpose of Data	User's Expected Result	Actual Results
<b>choice</b>	Integer	<b>3</b>	To enter delete stock function	User will be asked to choose the item they would like to delete	Switch case functions as intended and enters delete stock function
<b>position</b>	Integer	%^ &*	To check if program crashes after entering invalid input	User will be prompted to press any key and program will return to main menu	Input buffer is cleared, removing incorrect input and re-enters menu function
<b>Return to main menu</b>					
<b>choice</b>	Integer	<b>3</b>	To enter delete stock function	User will be asked to choose position of the item they would like to delete	Switch case functions as intended and enters delete stock function
<b>position</b>	Integer	<b>4</b>	To delete fourth item	Output table will be re-displayed without fourth item	Array is rewritten without deleted items by skipping over it when loop count reaches position of item being deleted, items are then re-written to file and view stock function is called to display output table

## VIEW STOCK & CHECKING DELETE STOCK

Variable Name	Test Type	Test Data	Purpose of Data	User's Expected Result	Actual Results
<b>Return to Main Menu</b>					
<b>choice</b>	Integer	4	To enter view stock function and check if user can view data that has been entered	All items added in previous table are displayed	A for loop is used to display each count of an item for as long as the count is less than the total amount of items
<b>Return to Main Menu</b>					
<b>choice</b>	Integer	6	To exit program	Program will close	Program is closed
<b>Program is executed again</b>					
<b>choice</b>	Integer	4	To enter view stock function and check if data has been correctly written to the file and can be viewed after exiting and re-entering the program	All items previously added are displayed	A for loop is used to display each count of an item for as long as the count is less than the total amount of items
<b>Return to Main Menu</b>					

## LOW STOCK

Variable Name	Test Type	Test Data	Purpose of Data	User's Expected Result	Actual Results
<b>Return to Main Menu</b>					
<b>choice</b>	Integer	5	To enter low stock function	All items that are at low stock threshold are displayed	A nested if loop is used to compare count of each quantity with its corresponding low variable and if quantity is less than or equal to low variable, the item is displayed
<b>Return to Main Menu</b>					

## CHECKING LOW STOCK

Variable Name	Test Type	Test Data	Purpose of Data	User's Expected Result	Actual Results
<b>Return to Main Menu</b>					
<b>choice</b>	Integer	4	To enter view stock function and check if user can view data correctly after entering low stock function	All items are displayed	A for loop is used to display each count of an item for as long as the count is less than the total amount of items
<b>Return to Main Menu</b>					
<b>choice</b>	Integer	6	To exit program	Program will close	Program is closed
<b>Program is executed again</b>					
<b>choice</b>	Integer	4	To enter view stock function and check if data has been correctly written to the file and can be viewed after exiting and re-entering the program	All items previously added are displayed	A for loop is used to display each count of an item for as long as the count is less than the total amount of items
<b>Return to Main Menu</b>					
<b>choice</b>	Integer	6	To exit program	Program closes	Variable activates 6 <sup>th</sup> switch case which terminates program with exit command

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# TEST RESULTS

---

```
C:\Users\Fraser\Desktop\main.exe
Welcome!
Please select an option:
1. Add new items to stock
2. Edit existing stock
3. Delete item
4. View inventory
5. Low stock
6. Exit program
@# $%
```

```
C:\Users\Fraser\Desktop\main.exe
Invalid option, please enter a number from 1 - 6
Press any key to continue . . .
```

```
C:\Users\Fraser\Documents\Programs\IA fin\main.exe
Welcome!
Please select an option:
1. Add new items to stock
2. Edit existing stock
3. Delete item
4. View inventory
5. Low stock
6. Exit program
1_
```

```
C:\Users\Fraser\Desktop\main.exe
Enter the number of records you want to enter: 3
Enter item 1
Name: Welch's Grape Juice
Retailer: Welch's Concord
ID: 12345
Unit Price: 290
Quantity: 4
Enter quantity to be notified when stock is low: 5
Enter item 2
Name: Mekyah
Retailer: Mekyah Spring Water Ltd.
ID: 67890
Unit Price: 60
Quantity: 20
Enter quantity to be notified when stock is low: 25
Enter item 3
Name: Supligen
Retailer: Seprod Ltd.
ID: 95173
Unit Price: 246
Quantity: 106
Enter quantity to be notified when stock is low: 38
```

```
C:\Users\Fraser\Desktop\main.exe
Press any key to continue . . .
```

```
C:\Users\Fraser\Desktop\main.exe
Welcome!
Please select an option:
1. Add new items to stock
2. Edit existing stock
3. Delete item
4. View inventory
5. Low stock
6. Exit program
1_
```

```
C:\Users\Fraser\Desktop\main.exe
Enter the number of records you want to enter: 1

Enter item 1
Name: 4
Retailer: 5
ID: n_
```

```
C:\Users\Fraser\Desktop\main.exe
Press any key to continue . . .
```

```
C:\Users\Fraser\Desktop\main.exe
Welcome!
Please select an option:
1. Add new items to stock
2. Edit existing stock
3. Delete item
4. View inventory
5. Low stock
6. Exit program
4_
```

```
C:\Users\Fraser\Desktop\main.exe
INVENTORY
+++++
Item #      Name                Retailer            ID                Unit Price      Quantity      Low Stock #
+++++
1           Welch's Grape Juice  Welch's Concord    12345             290.00          4             5
2           Mekyah              Mekyah Spring Water 67890             60.00           20            25
3           Supligen            Seprod Ltd.         95173             246.00          106           38
4           4                   5                   12345             290.00          4             5
+++++
Press any key to continue . . .
```

```
C:\Users\Fraser\Desktop\main.exe
Welcome!
Please select an option:
1. Add new items to stock
2. Edit existing stock
3. Delete item
4. View inventory
5. Low stock
6. Exit program
6
```

```
C:\Users\Fraser\Desktop\main.exe
-----
Process exited after 503.1 seconds with return value 0
Press any key to continue . . .
```

```
C:\Users\Fraser\Desktop\main.exe
Welcome!
Please select an option:
1. Add new items to stock
2. Edit existing stock
3. Delete item
4. View inventory
5. Low stock
6. Exit program
4_
```

```
C:\Users\Fraser\Desktop\main.exe
INVENTORY
+++++
Item #      Name          Retailer      ID      Unit Price  Quantity  Low Stock #
+++++
1           Welch's Grape Juice  Welch's Concord  12345   290.00     4         5
2           Mekyah          Mekyah Spring Water  67890   60.00     20        25
3           Supligen        Seprod Ltd.     95173   246.00    106       38
4           4              5              12345   290.00     4         5
Press any key to continue . . .
```

```
C:\Users\Fraser\Desktop\main.exe
Welcome!
Please select an option:
1. Add new items to stock
2. Edit existing stock
3. Delete item
4. View inventory
5. Low stock
6. Exit program
2_
```

```
C:\Users\Fraser\Desktop\[Kris] CS Unit 1 IA\Program\main.exe
INVENTORY
+++++
Item #      Name          Retailer      ID      Unit Price  Quantity  Low Stock #
+++++
1           Welch's Grape Juice  Welch's Concord  12345   290.00     4         5
2           Mekyah          Mekyah Spring Water  67890   60.00     20        25
3           Supligen        Seprod Ltd.     95173   246.00    106       38
4           4              5              12345   290.00     4         5
Enter the number corresponding to the item you'd like to edit:
n
Change:
1. Item Name
2. Retailer
3. ID
4. Unit Price
5. Quantity
6. Low Stock
n
Enter new item name
n
```

```
C:\Users\Fraser\Desktop\main.exe
Welcome!
Please select an option:
1. Add new items to stock
2. Edit existing stock
3. Delete item
4. View inventory
5. Low stock
6. Exit program
2_
```

```
C:\Users\Fraser\Desktop\main.exe
                                     INVENTORY
+++++
Item #      Name                    Retailer          ID          Unit Price    Quantity    Low Stock #
+++++
1           Welch's Grape Juice  Welch's Concord  12345       290.00        4           5
2           Mekyah              Mekyah Spring Water 67890       60.00        20          25
3           Supligen            Seprod Ltd.        95173       246.00       106         38
4           4                  5                 12345       290.00        4           5
Enter the number corresponding to the item you'd like to edit:
1
Change:
1. Item Name
2. Retailer
3. ID
4. Unit Price
5. Quantity
6. Low Stock
1
Enter new item name
Peanut Punch
Press any key to continue . . .
```

```
C:\Users\Fraser\Desktop\main.exe
Welcome!
Please select an option:
1. Add new items to stock
2. Edit existing stock
3. Delete item
4. View inventory
5. Low stock
6. Exit program
2_
```



```
C:\Users\Fraser\Desktop\main.exe

INVENTORY
+++++
Item #      Name          Retailer      ID          Unit Price   Quantity     Low Stock #
+++++
1           Peanut Punch   Welch's Concord 12345       290.00      4            5
2           Mekyah        Mekyah Spring Water 67890       60.00       20           25
3           Supligen      Seprod Ltd.     95173       246.00      106          38
4           4             5              12345       290.00      4            5
+++++
Enter the number corresponding to the item you'd like to edit:
2
Change:
1. Item Name
2. Retailer
3. ID
4. Unit Price
5. Quantity
6. Low Stock
2
Enter new retailer
Spring Mt.
```

```
C:\Users\Fraser\Desktop\main.exe
Welcome!
Please select an option:
1. Add new items to stock
2. Edit existing stock
3. Delete item
4. View inventory
5. Low stock
6. Exit program
2_
```

```
C:\Users\Fraser\Desktop\main.exe

INVENTORY
+++++
Item #      Name          Retailer      ID          Unit Price   Quantity     Low Stock #
+++++
1           Peanut Punch   Welch's Concord 12345       290.00      4            5
2           Mekyah        Spring Mt.     67890       60.00       20           25
3           Supligen      Seprod Ltd.     95173       246.00      106          38
4           4             5              12345       290.00      4            5
+++++
Enter the number corresponding to the item you'd like to edit:
3
Change:
1. Item Name
2. Retailer
3. ID
4. Unit Price
5. Quantity
6. Low Stock
3
Enter new ID
159_
```

```
C:\Users\Fraser\Desktop\main.exe
Welcome!
Please select an option:
1. Add new items to stock
2. Edit existing stock
3. Delete item
4. View inventory
5. Low stock
6. Exit program
2_
```

```
C:\Users\Fraser\Desktop\main.exe

INVENTORY
+++++
Item #      Name          Retailer      ID          Unit Price   Quantity     Low Stock #
+++++
1           Peanut Punch   Welch's Concord 12345       290.00       4            5
2           Mekyah        Spring Mt.     67890       60.00        20           25
3           Supligen      Seprod Ltd.    159         246.00       106          38
4           4             5             12345       290.00       4            5
+++++
Enter the number corresponding to the item you'd like to edit:
4
Change:
1. Item Name
2. Retailer
3. ID
4. Unit Price
5. Quantity
6. Low Stock
4
Enter new unit price?
456
```

```
C:\Users\Fraser\Desktop\main.exe
Welcome!
Please select an option:
1. Add new items to stock
2. Edit existing stock
3. Delete item
4. View inventory
5. Low stock
6. Exit program
2
```

```
C:\Users\Fraser\Desktop\main.exe

INVENTORY
+++++
Item #      Name          Retailer      ID          Unit Price   Quantity     Low Stock #
+++++
1           Peanut Punch   Welch's Concord 12345       290.00       4            5
2           Mekyah        Spring Mt.     67890       60.00        20           25
3           Supligen      Seprod Ltd.    159         246.00       106          38
4           4             5             12345       456.00       4            5
+++++
Enter the number corresponding to the item you'd like to edit:
4
Change:
1. Item Name
2. Retailer
3. ID
4. Unit Price
5. Quantity
6. Low Stock
5
Enter new quantity
753
```

```
C:\Users\Fraser\Desktop\main.exe
Welcome!
Please select an option:
1. Add new items to stock
2. Edit existing stock
3. Delete item
4. View inventory
5. Low stock
6. Exit program
2
```

```
C:\Users\Fraser\Desktop\main.exe

INVENTORY
+++++
Item #      Name          Retailer      ID      Unit Price  Quantity  Low Stock #
+++++
1           Peanut Punch  Welch's Concord  12345   290.00     4         5
2           Mekyah       Spring Mt.     67890   60.00      20        25
3           Supligen     Seprod Ltd.    159     246.00    106       38
4           4            5             12345   456.00    753       5
+++++
Enter the number corresponding to the item you'd like to edit:
4
Change:
1. Item Name
2. Retailer
3. ID
4. Unit Price
5. Quantity
6. Low Stock
6
Enter new low stock number
20
```

```
C:\Users\Fraser\Desktop\main.exe
Welcome!
Please select an option:
1. Add new items to stock
2. Edit existing stock
3. Delete item
4. View inventory
5. Low stock
6. Exit program
4
```

```
C:\Users\Fraser\Desktop\main.exe

INVENTORY
+++++
Item #      Name          Retailer      ID      Unit Price  Quantity  Low Stock #
+++++
1           Peanut Punch  Welch's Concord  12345   290.00     4         5
2           Mekyah       Spring Mt.     67890   60.00      20        25
3           Supligen     Seprod Ltd.    159     246.00    106       38
4           4            5             12345   456.00    753       20
+++++
Press any key to continue . . .
```

```
C:\Users\Fraser\Desktop\main.exe
Welcome!
Please select an option:
1. Add new items to stock
2. Edit existing stock
3. Delete item
4. View inventory
5. Low stock
6. Exit program
6
```

```
C:\Users\Fraser\Desktop\main.exe
-----
Process exited after 503.1 seconds with return value 0
Press any key to continue . . .
```

```
C:\Users\Fraser\Desktop\main.exe
Welcome!
Please select an option:
1. Add new items to stock
2. Edit existing stock
3. Delete item
4. View inventory
5. Low stock
6. Exit program
4
```

```
C:\Users\Fraser\Desktop\main.exe
INVENTORY
+++++
Item #      Name      Retailer      ID      Unit Price      Quantity      Low Stock #
+++++
1           Peanut Punch  Welch's Concord  12345      290.00           4             5
2           Mekyah       Spring Mt.      67890      60.00            20            25
3           Supligen     Seprod Ltd.     159        246.00           106           38
4           4            5               12345      456.00           753           20
Press any key to continue . . .
```

```
C:\Users\Fraser\Desktop\main.exe
Welcome!
Please select an option:
1. Add new items to stock
2. Edit existing stock
3. Delete item
4. View inventory
5. Low stock
6. Exit program
3
```

```
C:\Users\Fraser\Desktop\main.exe
INVENTORY
+++++
Item #      Name      Retailer      ID      Unit Price      Quantity      Low Stock #
+++++
1           Peanut Punch  Welch's Concord  12345      290.00           4             5
2           Mekyah       Spring Mt.      67890      60.00            20            25
3           Supligen     Seprod Ltd.     159        246.00           106           38
4           4            5               12345      456.00           753           20
Enter position to delete: %^ &*
No such item number exists, select a valid item
Press any key to continue . . .
```

```
C:\Users\Fraser\Desktop\main.exe
Welcome!
Please select an option:
1. Add new items to stock
2. Edit existing stock
3. Delete item
4. View inventory
5. Low stock
6. Exit program
3
```

```
C:\Users\Fraser\Desktop\main.exe
INVENTORY
+++++
Item #      Name          Retailer      ID      Unit Price  Quantity  Low Stock #
+++++
1           Peanut Punch  Welch's Concord  12345   290.00     4         5
2           Mekyah       Spring Mt.     67890   60.00     20        25
3           Supligen     Seprod Ltd.    159     246.00    106       38
4           4            5              12345   456.00    753       20
Enter position to delete: 4_
```

```
C:\Users\Fraser\Desktop\main.exe
INVENTORY
+++++
Item #      Name          Retailer      ID      Unit Price  Quantity  Low Stock #
+++++
1           Peanut Punch  Welch's Concord  12345   290.00     4         5
2           Mekyah       Spring Mt.     67890   60.00     20        25
3           Supligen     Seprod Ltd.    159     246.00    106       38
Press any key to continue . . .
```

```
C:\Users\Fraser\Desktop\main.exe
Welcome!
Please select an option:
1. Add new items to stock
2. Edit existing stock
3. Delete item
4. View inventory
5. Low stock
6. Exit program
4_
```

```
C:\Users\Fraser\Desktop\main.exe
INVENTORY
+++++
Item #      Name          Retailer      ID      Unit Price  Quantity  Low Stock #
+++++
1           Peanut Punch  Welch's Concord  12345   290.00     4         5
2           Mekyah       Spring Mt.     67890   60.00     20        25
3           Supligen     Seprod Ltd.    159     246.00    106       38
Press any key to continue . . .
```

```
C:\Users\Fraser\Desktop\main.exe
-----
Process exited after 567.1 seconds with return value 0
Press any key to continue . . . _
```

```
C:\Users\Fraser\Desktop\main.exe
Welcome!
Please select an option:
1. Add new items to stock
2. Edit existing stock
3. Delete item
4. View inventory
5. Low stock
6. Exit program
4_
```

```
C:\Users\Fraser\Desktop\main.exe

INVENTORY
+++++
Item #      Name          Retailer      ID      Unit Price  Quantity  Low Stock #
+++++
1           Peanut Punch  Welch's Concord  12345   290.00      4         5
2           Mekyah       Spring Mt.     67890   60.00       20        25
3           Supligen     Seprod Ltd.    159     246.00     106       38

Press any key to continue . . .
```

```
C:\Users\Fraser\Desktop\main.exe

Welcome!
Please select an option:
1. Add new items to stock
2. Edit existing stock
3. Delete item
4. View inventory
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6. Exit program

5
```

```
C:\Users\Fraser\Desktop\main.exe

Name: Peanut Punch
Retailer: Welch's Concord
ID: 12345
Unit Price: 290.00
Quantity: 4
Low stock #: 5
+++++
Name: Mekyah
Retailer: Spring Mt.
ID: 67890
Unit Price: 60.00
Quantity: 20
Low stock #: 25
+++++

Press any key to continue . . .
```