Midterm Lab Task 3 List Collections

Problem 1. Using the List Collection type. Create a program that will allow the user to perform the following functions: (add, update, search, delete, display, and sort) items in a list:

You are free to decide what data you will be storing in the list and name the list based on the type of data you wish to store.

[MENU OPTIONS]

- 1 Add Items
- 2 Search for an Item
- 3 Remove an Item
- 4 View all items (Sorted)
- 0 Exit program

Pick	one	[0 1	to	quit]:	
Requ	iren	nen	ts:	:	

- 1. The user can add items in the list until the user presses x to stop
- The user should be able to perform search if an item exists Display if found or not found and count the number of instance in the list.
- The user should also be given the option to remove an item in the list Display the Message "Item found and deleted" once deletion is performed – else display "item not found-deletion unsuccessful"
- The user may also opt to view items in the list and display items sorted in Ascending order
- 5. The user may opt to exit the program by typing 0

Note: you are free to design the interface of the program, base on the Menu options shown.

C203

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intro():
print()
 def search():
print() if
print()
print("Item not found - deletioj unsuccessful.")
print()
view():
```

 $C:\Users\COMLAB\AppData\Local\Programs\Python\Python311\python.exe \\ C:\Users\COMLAB\Pycharm\Projects\python\Project\uh.py$

[MENU OPTIONS]

- 1 Add Items
- 2 Search for an Item
- 3 Remove an Item
- 4 View all Items (Sorted)
- 0. Exit Problem

Pick one [0 to quit]: 1

Input name (type x to stop): hi

Input name (type x to stop): hi

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Input name (type x to stop): asd
Input name (type x to stop): x
[MENU OPTIONS]
1 - Add Items
2 - Search for an Item
3 - Remove an Item
4 - View all Items (Sorted)
0. Exit Problem
Pick one [0 to quit]: 2
What are you looking for?: hi
Succesfully found "hi" 2 time/s!
[MENU OPTIONS]
[MENU OPTIONS] 1 - Add Items
1 - Add Items
1 - Add Items 2 - Search for an Item
1 - Add Items2 - Search for an Item3 - Remove an Item
1 - Add Items2 - Search for an Item3 - Remove an Item4 - View all Items (Sorted)
 1 - Add Items 2 - Search for an Item 3 - Remove an Item 4 - View all Items (Sorted) 0. Exit Problem
 1 - Add Items 2 - Search for an Item 3 - Remove an Item 4 - View all Items (Sorted) 0. Exit Problem
 1 - Add Items 2 - Search for an Item 3 - Remove an Item 4 - View all Items (Sorted) 0. Exit Problem Pick one [0 to quit]: 3
1 - Add Items 2 - Search for an Item 3 - Remove an Item 4 - View all Items (Sorted) 0. Exit Problem Pick one [0 to quit]: 3
1 - Add Items 2 - Search for an Item 3 - Remove an Item 4 - View all Items (Sorted) 0. Exit Problem Pick one [0 to quit]: 3 List: -hi
1 - Add Items 2 - Search for an Item 3 - Remove an Item 4 - View all Items (Sorted) 0. Exit Problem Pick one [0 to quit]: 3 List: -hi -hi

[MENU OPTIONS]

- 1 Add Items
- 2 Search for an Item
- 3 Remove an Item
- 4 View all Items (Sorted)
- 0. Exit Problem

Pick one [0 to quit]: 4

Sorted List:

- 1 asd
- 2 hi

[MENU OPTIONS]

- 1 Add Items
- 2 Search for an Item
- 3 Remove an Item
- 4 View all Items (Sorted)
- 0. Exit Problem

Pick one [0 to quit]: