Bonillo, Loren 700P1

Problem 1. Using 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:

[MENU OPTIONS]

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

Pick one [0 to quit]:

Code:

```
main():
             # List to store items
items - []
             while True:

print("\n[ MEMU OPTIONS ]")

print("1 - Add Items")

print("2 - Search for an Item")

print("3 - Remove an Item")

print("4 - View all Items (Sorted A-Z | Z-A)")

print("8 - Exit Program")
18 11 12 14 15 16 7 18 19 20 21 22 22 25 16 7 28 29 30 31 32 33 34
                    choice - Input ("Pick one [8 to quit]: ")
                    # Exit program
if choice -- "8":
print("Exiting program... Goodbyel")
break
                    mlif choice == "1":
    print("\nEnter items (type 'x' to stop):")
    while True:
                                                     ("Enter item: ")
                                 item
                                  if item.
                          items.memoral(item)
print("Items added successfully!")
                    # Search for item
elif chaice -- "2":
                                                          #("Enter item to search: ")
#(search_item)
                          if count > 0:
    print(f"'{search_item}' found {count} time(s) in the list.")
55 16 37 38 38 48 44 24 44 45 46 47 48 49 55 52 55 54 55 56 57 58 59 66 16 26 68
                          else:
print(f"'{search_item}' not found in the list.")
                   # Remove item
clif choice -- "3":
    remove_item - imput("Enter item to remove: ")
    if remove_item in items:
        items.remove(remove_item)
        print("Item found and deleted.")
                          else:
print("Item not found - deletion unsuccessful.")
                    # View items sorted
elif choice -- "4":
                                 if le (items) - 0:
print("The list is empty.")
                                 print(i)
plif sort choice -- "d":
    print("\nitems (Z-A):")
    for i in Sorted(items, reverse-True):
                                               print(1)
                                        print("Invalid choice. Showing unsorted list:")
for i in items:
    print(i)
                         print("Invalid choice| Please try again.")
      # Run the program
```

Sample Output:

```
[ MENU OPTIONS ]
1 - Add Items
2 - Search for an Item
3 - Remove an Item
4 - View all Items (Sorted A-Z | Z-A)
0 - Exit Program
Pick one [0 to quit]: 1
Enter items (type 'x' to stop):
Enter item: Banana
Enter item: Apple
Enter item: Orange
Enter item: Grapes
Enter item: x
Items added successfully!
[ MENU OPTIONS ]
1 - Add Items
2 - Search for an Item
3 - Remove an Item
4 - View all Items (Sorted A-Z | Z-A)
0 - Exit Program
Pick one [0 to quit]: 4
Sort order (A for Ascending, D for Descending): A
Items (A-Z):
Apple
Banana
Grapes
Orange
[ MENU OPTIONS ]
1 - Add Items
2 - Search for an Item
3 - Remove an Item
4 - View all Items (Sorted A-Z | Z-A)
0 - Exit Program
Pick one [0 to quit]: 2
Enter item to search: Banana
'Banana' found 1 time(s) in the list.
[ MENU OPTIONS ]
1 - Add Items
2 - Search for an Item
3 - Remove an Item
4 - View all Items (Sorted A-Z | Z-A)
0 - Exit Program
Pick one [0 to quit]:
```