Zabala, REhaldynyl Brian f.
C203

Code:

```python
List = []


def show_menu():
    print("[Menu Options]\n")
    print("1 - Add Items")
    print("2 - Search for an item")
    print("3 - Remove an item")
    print("4 - View all items (sorted)")
    print("0 - Exit Program")


def add_item():
    while True:
        item = input("Enter Item: ")
        if item.lower() == 'x':
            break
        List.append(item)


def search_item():
    item = input("Enter Item: ")
    if item in List:
        print("Found")
        count = List.count(item)
        print(f"{item} found {count}x in the list")

    else:
        print("Not found")


def remove_item():
    item = input("Enter Item: ")
    if item in List:
        print("Item found and removed")
        List.remove(item)
    else:
        print("Item not Found and deletion unsuccessful")


def view_items():
    List.sort()
    print(List)
```

```
choice = None
while choice != '0':
    show_menu()
    choice = input("Pick one [0 to quit]: ")

    if choice == '1':
        add_item()
    elif choice == '2':
        search_item()
    elif choice == '3':
        remove_item()
    elif choice == '4':
        view_items()
```

Output:
[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 to quit]: 1
Enter Item: Mango
Enter Item: Banana
Enter Item: Apple
Enter Item: Peach
Enter Item: x
[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 to quit]: 2
Enter Item: Apple
Found
Apple found 1x in the list
[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 to quit]: 3
Enter Item: Peach
Item found and removed
[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 to quit]: 4
['Apple', 'Banana', 'Mango']
[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 to quit]: 0

=== Code Execution Successful ===