

Pineda, Vincent Ken A.

BSCS – C204

Code:

```
items = []

while True:

    print()

    print("===== MENU =====")

    print("1 - Add Items")

    print("2 - Search for an Item")

    print("3 - Remove an Item")

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

    print("0 - Exit Program")

    choice = input("Pick one [0 to quit]: ")

    if choice == "1":

        while True:

            item = input("Enter an item (x to stop): ")

            if item.lower() == "x":

                break

            items.append(item)

            print("Items added!")

    elif choice == "2":

        search_item = input("Enter item to search: ")
```

```
count = items.count(search_item)

if count > 0:

    print(search_item, "found", count, "time(s).")

else:

    print(search_item, "not found.")
```

```
elif choice == "3":

    remove_item = input("Enter item to remove: ")

    if remove_item in items:

        items.remove(remove_item)

        print(remove_item, "found and deleted.")

    else:

        print(remove_item, "not found - deletion unsuccessful.")
```

```
elif choice == "4":

    if len(items) == 0:

        print("List is empty.")

    else:

        order = input("Sort order (A for ascending, Z for descending): ")

        if order == "A" or order == "a":

            print(sorted(items))

        elif order == "Z" or order == "z":

            print(sorted(items, reverse=True))

        else:

            print("Invalid choice. Showing list as is:")

            print(items)
```

```
elif choice == "0":
```

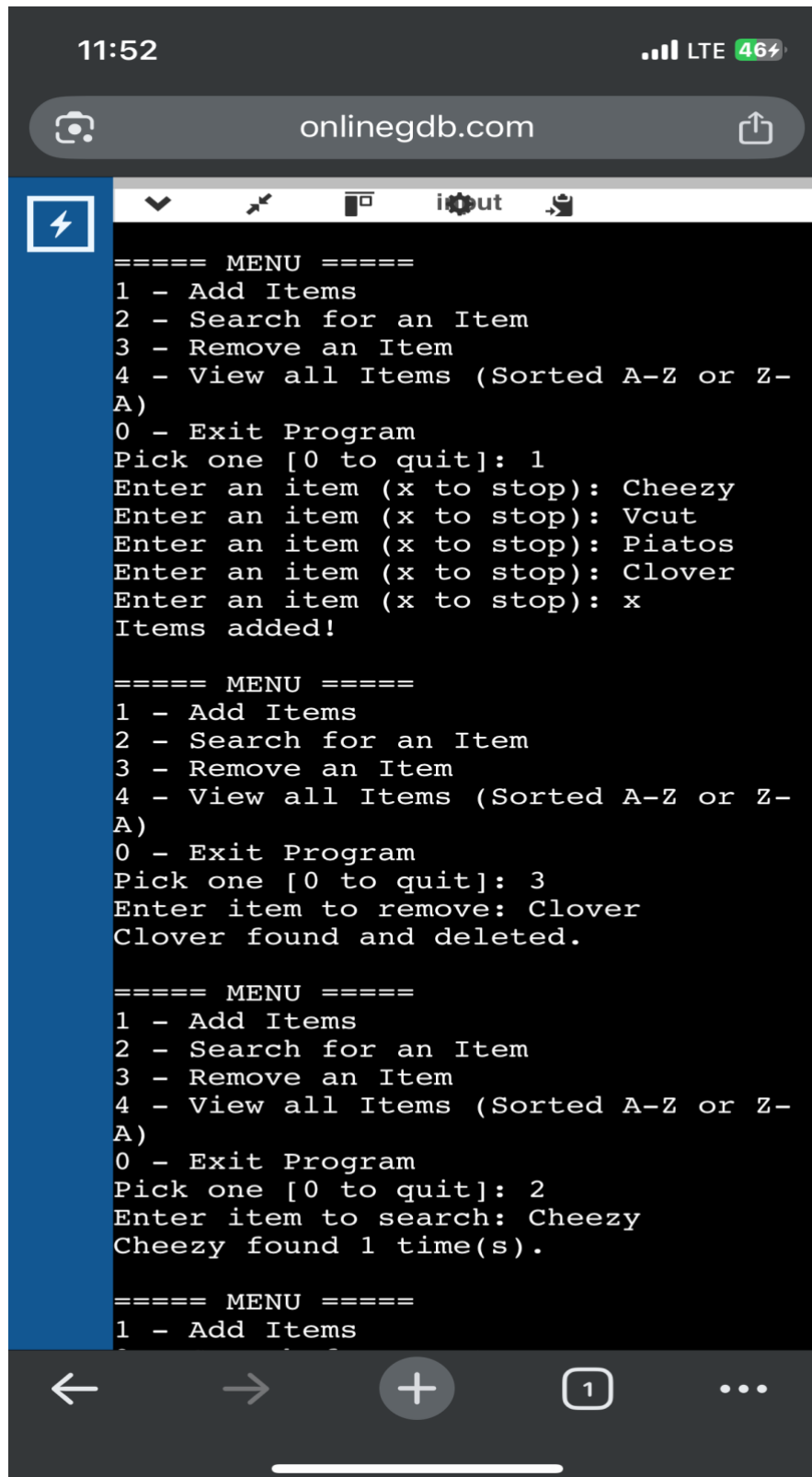
```
    print("Exiting... Goodbye!")
```

```
    break
```

```
else:
```

```
    print("Invalid choice, please try again.")
```

Output:



The screenshot shows a mobile browser interface with the address bar displaying 'onlinegdb.com'. The page content is a Java application output displayed in a dark-themed terminal window. The application has a menu with options: 1 - Add Items, 2 - Search for an Item, 3 - Remove an Item, 4 - View all Items (Sorted A-Z or Z-A), and 0 - Exit Program. The user has interacted with the application, adding items (Cheezy, Vcut, Piatos, Clover) and removing 'Clover'. The output shows the state of the application after each action.

```
===== MENU =====
1 - Add Items
2 - Search for an Item
3 - Remove an Item
4 - View all Items (Sorted A-Z or Z-A)
0 - Exit Program
Pick one [0 to quit]: 1
Enter an item (x to stop): Cheezy
Enter an item (x to stop): Vcut
Enter an item (x to stop): Piatos
Enter an item (x to stop): Clover
Enter an item (x to stop): x
Items added!

===== MENU =====
1 - Add Items
2 - Search for an Item
3 - Remove an Item
4 - View all Items (Sorted A-Z or Z-A)
0 - Exit Program
Pick one [0 to quit]: 3
Enter item to remove: Clover
Clover found and deleted.

===== MENU =====
1 - Add Items
2 - Search for an Item
3 - Remove an Item
4 - View all Items (Sorted A-Z or Z-A)
0 - Exit Program
Pick one [0 to quit]: 2
Enter item to search: Cheezy
Cheezy found 1 time(s).

===== MENU =====
1 - Add Items
```

11:52

LTE 46%



onlinegdb.com



```
4 - View all Items (Sorted A-Z or Z-A)
0 - Exit Program
Pick one [0 to quit]: 3
Enter item to remove: Clover
Clover found and deleted.
```

```
===== MENU =====
```

```
1 - Add Items
2 - Search for an Item
3 - Remove an Item
4 - View all Items (Sorted A-Z or Z-A)
0 - Exit Program
Pick one [0 to quit]: 2
Enter item to search: Cheezy
Cheezy found 1 time(s).
```

```
===== MENU =====
```

```
1 - Add Items
2 - Search for an Item
3 - Remove an Item
4 - View all Items (Sorted A-Z or Z-A)
0 - Exit Program
Pick one [0 to quit]: 4
Sort order (A for ascending, Z for descending): A
['Cheezy', 'Piatos', 'Vcut']
```

```
===== MENU =====
```

```
1 - Add Items
2 - Search for an Item
3 - Remove an Item
4 - View all Items (Sorted A-Z or Z-A)
0 - Exit Program
Pick one [0 to quit]: 0
Exiting... Goodbye!
```

```
...Program finished with exit code 0
```



1



