Yuguan Pan

2022-Mar-22

IT FDN 110 B Winter 2022: Foundations of Programming

Assignment08 Knowledge Document

Lesson learned in finishing assignment08

Introduction

Brief overview of some lessons learned through some experience I earned through finishing assignemtn08.

Experience gained 1:

In this project I created a class to define CD with 3 properties: id, title, and artist. Every time when I create a CD object I need to provide these 3 properties to initiate the creation of this object. Also, I defined a non-static method values () which returns the CD object's 3 properties. Non-static method is different from static method. I need to call it with a CD object instead of directly calling it.

GitHub link:

yuguanp/assignment08 (github.com)

Summary

When doing modifying based on someone else's work it is very easy to generate bugs since some of the original scripts may not fit the new ones I add in, and causing functional scripts become bugs. Thus instead of spending time on debug later, reading through and try to understand the original scripts before modifying could be a smarter way.

Appendix

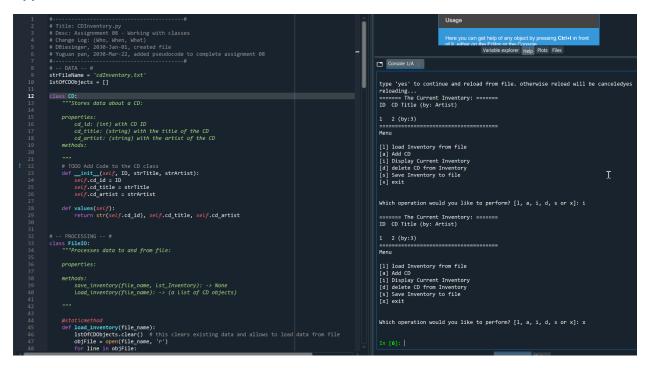


Fig.1 Screenshot of script successfully running in Spyder

```
C:\vviinDOvv5\py.exe
Which operation would you like to perform? [1, a, i, d, s or x]: s
         The Current Inventory: ======
CD Title (by: Artist)
          2 (by:3)
Save this inventory to file? [y/n] y
Menu
[1] load Inventory from file
[a] Add CD
[i] Display Current Inventory
[d] delete CD from Inventory
 s] Save Inventory to file
 x] exit
Which operation would you like to perform? [1, a, i, d, s or x]: 1
WARNING: If you continue, all unsaved data will be lost and the Inventory re-loaded from file. type 'yes' to continue and reload from file. otherwise reload will be canceledyes
reloading...
 ====== The Current Inventory: ======
D CD Title (by: Artist)
ID
          2 (by:3)
2 (by:3)
Menu
[1] load Inventory from file
[a] Add CD
[i] Display Current Inventory
[d] delete CD from Inventory
[s] Save Inventory to file
[x] exit
Which operation would you like to perform? [1, a, i, d, s or x]: i
 ===== The Current Inventory: ======
          CD Title (by: Artist)
          2 (by:3)
2 (by:3)
Menu
[1] load Inventory from file
[a] Add CD
    Display Current Inventory
[d] delete CD from Inventory
    Save Inventory to file
 [x] exit
Which operation would you like to perform? [1, a, i, d, s or x]: x_
```

Fig.2 Screenshot of script successfully running in terminal window