

# Knowledge Document

## GitHub Link

[https://github.com/Abracollabra/Assignment\\_08](https://github.com/Abracollabra/Assignment_08)

## Introduction

This week's script involved constructing classes and writing a script from scratch, using concepts we'd learned previously.

## Script Creation Highlights

- I started with the plan to just do tasks randomly, starting with the lowest hanging fruit.
  - Later I was advised to focus on the main script first, going sequentially down, and adding things into the Classes and Functions sections above as needed, and switching gears to that made a huge difference.
- Using the work of other classmates from previous assignments as inspiration and templates was mostly helpful, except when it wasn't.
- Planning to work on it for several days, even if that meant not finishing all the homework, also helped.

```
In [1]: runfile('/Users/d.../Documents/Coding!/UW_PCE/Mod_08/Assignment08/CD_Inventory.py', wdir='/Users/
        /Documents/Coding!/UW_PCE/Mod_08/Assianment08')

Menu of Options

[ l ] Load CD Inventory from File
[ a ] Add CD
[ i ] dIsplay Current Inventory
[ s ] Save Inventory to File
[ x ] eXit the Program

Choose an Option: a
Enter ID: 4
Enter Title: Gordon
Enter Artist/Band Name: Barenaked Ladies

Menu of Options

[ l ] Load CD Inventory from File
[ a ] Add CD
[ i ] dIsplay Current Inventory
[ s ] Save Inventory to File
[ x ] eXit the Program

Choose an Option: s
Save this inventory to file? [ y or n ] y

Saved.

Menu of Options

[ l ] Load CD Inventory from File
[ a ] Add CD
[ i ] dIsplay Current Inventory
[ s ] Save Inventory to File
[ x ] eXit the Program

Choose an Option: |
```

Figure 1 - CDInventory.py Running in Spyder

```
Assignment08 — python CD_Inventory.py — 81x31

Choose an Option: a
Enter ID: 5
Enter Title: Album!
Enter Artist/Band Name: Band!

Menu of Options

[ l ] Load CD Inventory from File
[ a ] Add CD
[ i ] dIsplay Current Inventory
[ s ] Save Inventory to File
[ x ] eXit the Program

Choose an Option: s
Save this inventory to file? [ y or n ] y

Saved.

Menu of Options

[ l ] Load CD Inventory from File
[ a ] Add CD
[ i ] dIsplay Current Inventory
[ s ] Save Inventory to File
[ x ] eXit the Program

Choose an Option: i

ID      Title      Artist
```

Figure 2 - CDInventory.py Running in the Terminal Window

## Notable Learning

Workflow - How I define and order subtasks can make a huge difference.

TODOs and other instructions - Practice and repetition help immensely. Because everything we are being asked to do this week are tasks we've done in prior assignments, I came into it with both sufficient confidence and the actual knowledge to back that confidence up.

Combining the new Kanban cards of my longstanding project management software and the time chunking of my pomodoro worked well to create a good workflow and to make subtasks small enough not to feel overwhelming.

## Notable Challenges

It's still a big challenge to consistently keep the big picture in mind in order to know when to stop tweaking something that's minor in the grand scheme of things in order to dig into something that's more important, but maybe more confusing and more challenging.

Also still fighting the temptation to think that since a feature or component is familiar, I can plug it into a new project without testing it super frequently.

Error handling is still apparently a mystery to me. Trying to use examples from other code really messed me up.

## Summary

It was cool to see such a wide assortment of concepts we've learned over many weeks (mostly!) come together.

Writing all those docstrings helped me remember that docstrings are written for someone who hasn't been swimming in the script.