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Course: IT FDN 110

Assignment: Assignment 6

Re: Knowledge Document for Assignment 6

Introduction: Assignment 6 requested several action steps and updates to the assignment 5 script for CD Inventory. In order to modify the CD Inventory, the tasks included the following steps:

* Adding functions for class DataProcessor;
* Add code for write\_file function;
* Add input & output functions to Presentation section;
* Move input & output code into function for adding a CD;
* Move processing code into function when deleting a CD;
* Move processing code into function when saving CD data;

Step 1: The first task of modifying the script to replace the inner data structure by dictionaries was not challenging as the subsequent steps.

Step 2: It took some time for me to understand the differences between reading and writing and I’m not certain that I am fully there. I tried to utilize what was shared in the Lab 5 sample solutions for the read vs write codes and this was helpful for me.

Step 3: I struggled with this deletion functionality. Since this did not work in my code every run through, I went through numerous iterations for this. While Figure 2 below looks incomplete since ID 5 and 6 are missing. However, these two items were added and deleted in my prior attempts to run the code. Clearly, further work is necessary for me on this particular item because I’m sure there is a sleeker way to perform this function.

Step 4: While I understand the list of dictionaries as 2D table conceptually, it is very easy for me to get confused about what I know about each item individually and how they work together here. I plan to review on this particular portion of the chapter since I foresee this being particularly useful in my job and life.

Text

Description automatically generated

Figure 1 – Script results in Spyder for loading inventory from file.

Text

Description automatically generated

Figure 2 – Script results in Spyder for deleting inventory from file.

A screenshot of a computer

Description automatically generated with medium confidence

Figure 3 - Final script with use of list of dictionaries as 2D table.

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Figure 4 - Text file of inventory.

Below is the link to my Github information.

<https://github.com/caroltru/Assignment_05/new/Assignment_05>

Summary: This week’s assignment provided a great comparison of dictionaries and lists of dictionaries compared to tuples and lists from week 4. Small things seem to require large chunks of time to trial and error. I plan to revisit those specific topics later this week.