**Foundations of Programming**

**Assignment 07**

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Introduction

The assignment was to modify our existing CD Inventory program using structured error handling and binary data storage.

Details

Things I learned:

* Error handling is an interesting way to see a program from the user’s perspective and try out a bunch of different ways that a user can cause an error.
* I got quite frustrated and stuck on the reading binary file portion until I realized that there was an error when it was reading multiple lines of data from the .dat file. It was interesting to use the try-except framework to solve the issue.

Exception Handling Research:

<https://www.geeksforgeeks.org/python-exception-handling/>

I liked this page. I think it explained the try-except framework well.

Pickling in Python Research:

<https://www.geeksforgeeks.org/understanding-python-pickling-example/>

I liked this page for pickling as it explained a number of different advantages for using pickling.

Summary

This module probably took me the longest of all the modules thus far, even though the assignment seemed easier upon first glance.

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Github Link:

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*Note: screenshots on next page*

*Screenshot: program running in Spyder*

*A screenshot of a computer

Description automatically generated with medium confidence*

*Screenshot: program running in terminal window*

*Text

Description automatically generated*