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Python Module 8

Objective:

This script was written using part of a starter provided for the course:

*I have **provided starter** code in the file called, "**Assignment08-Starter.py**" on Canvas. Currently, the code does nothing, but it does include pseudo-code (Listing 1). Your task is to **read and understand the pseudo-code, then add code to make the application work.** Make sure to **include error handling!***

Approach:

For the separation of concerns, I used the sections: Data, Processing, and Presentation.

The data section has the constructor for `__Product_Name` and `__Product_Price` along with the properties' respective Getters and Setters. Using `Product_Name` and `Product_Price` as the public objects.

The processing section has class `FileProcessor` handling reading and writing to the file. In the presentation section is class `IO` (for Input/Output) and has a section for the menu and the ability for the user to select an option from it. It will display the products in a list, or the user can select to add new data and enter a new product and price. If the user chooses to exit, it will call the function to write to the file and close the `while (True)` loop with a `break`.

Data Considerations:

In the data section, the Properties Setters have the respective tests whether the product is numeric and throws an error or if the price is not numeric and throws an error. This uses Python's builtin `isnumeric()`.

As of the time of this writeup, the portion under menu 1 is not working correctly. I have tried working with the TA and we have yet to resolve it. After input of product and price, I get this error:

Traceback (most recent call last):

File `"/Users/brandonlorge/Desktop/Python/PythonProject/pythonProject/Module08.py"`, line 202, in `<module>`

```
table_lst = FileProcessor.add_data_to_list(Product=ProductName, Price=ProductPrice,  
list_of_rows=table_lst)
```

`NameError: name 'ProductName' is not defined`

Run from Terminal:

```
pythonProject — Python Module08.py — 80x24
'/Users/brandonlorge/Desktop/Python/PythonProject/pythonProject/module08': [Errn
o 2] No such file or directory
brandonlorge@Brandons-MacBook-Pro pythonproject % python3 Module08.py

    Menu of Options
    1) Add a New Product
    2) View Current Data
    3) Save Data and Exit Program

Which option would you like to perform? [1 to 4] - 2

***** Current List: *****
Air Jordans (129)
*****

    Menu of Options
    1) Add a New Product
    2) View Current Data
    3) Save Data and Exit Program

Which option would you like to perform? [1 to 4] -
```