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Assignment8

November 27, 2019

# Assignment8 Report

In this assignment, I use three class of function to input and output product data.

In the first class Product, I use static method to create a function named add to list in order to add data to the list. I use two input command to collect product name and price. Then, I store those data into the list of product.

In the second class, file processor, I add two static function in the class. The first one is read file with input file name and a list of object. In this function, every row of the txt file will be extracted and display as a list.

Another function in the file processor class is used to save data into the file. I use write function in file and input each row of the list to input into the txt file.

In the third class, input and output class, the first function is used to display option to customer. The second function is used to save customer's input choice. The third function is to show current data in the product list.

After defining different class, I used a while loop to get customers choice. If the choice is 1, I will use input and output to extract data and if the choice is 2, I will use product class and add product to the list. If the choice is 3 ,I will use file porcessor to save data. If the choice is 4, the while loop will be break.

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Menu of Options

- 1) Show current data
- 2) Add a new item.
- 3) Save Data to File
- 4) Exit Program

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

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enter product name: desk

enter product price: 4

\*\*\*\*\* The current items ToDo are: \*\*\*\*\*

chair (5)

desk (4)

\*\*\*\*\*

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Menu of Options

- 1) Show current data
- 2) Add a new item.
- 3) Save Data to File
- 4) Exit Program

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

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

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\*\*\*\*\* The current items ToDo are: \*\*\*\*\*

chair (5)

desk (4)

\*\*\*\*\*

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Menu of Options

- 1) Show current data
- 2) Add a new item.
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- 4) Exit Program

Which option would you like to perform? [1 to 4] - 3

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Menu of Options

- 1) Show current data
- 2) Add a new item.
- 3) Save Data to File
- 4) Exit Program

```
Menu of Options
1) Show current data
2) Add a new item.
3) Save Data to File
4) Exit Program
```

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

```
-----
Enter product name: chair
Enter product price: 3
***** The current items ToDo are: *****
chair (3)
*****
-----
```

```
Menu of Options
1) Show current data
2) Add a new item.
3) Save Data to File
4) Exit Program
```

```
Which option would you like to perform? [1 to 4] - 3
```

```
-----
Menu of Options
1) Show current data
2) Add a new item.
3) Save Data to File
4) Exit Program
```

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

```
-----
***** The current items ToDo are: *****
chair (3)
*****
-----
```

```
Menu of Options
1) Show current data
2) Add a new item
```

```
Menu of Options
1) Show current data
2) Add a new item.
3) Save Data to File
4) Exit Program
```

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

```
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tyyyyydeMacBook-Pro:Assignment8 bettyyyyyxu$ █
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