

Arlo Magpoc

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IT FDN 110 A

Assignment 06

GitHub: <https://github.com/arloqm/IntroToProg-Python-Mod06>

# Even More Modified To Do List Program

## Intro

The purpose of this module was to incorporate Functions to an existing set of codes that are not fully completed. The tasks included taking in input data from user for specific Tasks and its Priorities, and save them to a .txt file. The code for this program is shown below in the following snapshots:

```
/usr/local/bin/python3.8 /Users/Arlo/Documents/_PythonClass/Assignment06/Assignment06.py
***** The current tasks ToDo are: *****
Book (High)
Book (Low)
Basketball (High)
Basketball (High)
*****

Menu of Options
1) Add a new Task
2) Remove an existing Task
3) Save Data to File
4) Exit Program

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

Please enter a Task: Basketball
What is the Priority of this Task?: High
***** The current tasks ToDo are: *****
Book (High)
Book (Low)
Basketball (High)
Basketball (High)
Basketball (High)
*****
```

```
Please enter a Task: Basketball
What is the Priority of this Task?: High
***** The current tasks ToDo are: *****
Book (High)
Book (Low)
Basketball (High)
Basketball (High)|
Basketball (High)
*****
```

#### Menu of Options

- 1) Add a new Task
- 2) Remove an existing Task
- 3) Save Data to File
- 4) Exit Program

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

```
Data Saved!
```

```
***** The current tasks ToDo are: *****
Book (High)
Book (Low)
Basketball (High)
Basketball (High)
Basketball (High)
*****
```

```
***** The current tasks ToDo are: *****
Book (High)
Book (Low)
Basketball (High)
Basketball (High)
Basketball (High)
*****

Menu of Options
1) Add a new Task
2) Remove an existing Task
3) Save Data to File
4) Exit Program

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

What Task do you wish to remove?: Basketball
Basketball not found!
Basketball not found!
Basketball was removed!
Basketball was removed!
***** The current tasks ToDo are: *****
Book (High)
Book (Low)
Basketball (High)
*****
```

```
What Task do you wish to remove?: Basketball
Basketball not found!
Basketball not found!
Basketball was removed!
Basketball was removed!
***** The current tasks ToDo are: *****
Book (High)
Book (Low)
Basketball (High)
*****

Menu of Options
1) Add a new Task
2) Remove an existing Task
3) Save Data to File
4) Exit Program

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

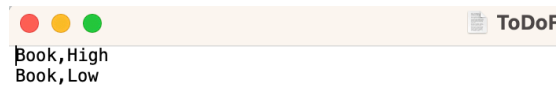
Goodbye!

Process finished with exit code 0
```

### ***Figures 1.1 - 1.4 Working Code in Terminal***



***Figure 2.1 Output of text in .txt file prior to removing a task***



***Figure 2.2 Out of text file after removing Basketball***

## **Challenges**

The main challenges I faced with this project was building off of existing code. The changes in variables with how I initially envisioned it conflicted with what was pre made already. This caused me to do a lot more debugging than what I was used to.

# **The Function Block**

This project is first to implement the concept of Functions, and is broken down into 3 separate elements: Data, Processing, and the Presentation element. The implementation of the Function block makes it cleaner and more efficient on the backend to develop a series of commands which varies from, but not limited to: User Input, Text output, saving to a .txt file, and output based on user inputs.

## **Summary**

This project built off from assignment 5 with the implementation of Functions. While the Functions make this project more easy to read and work off of overall, it presented its own set of challenges and confusions, which would only be alleviated by further testing and debugging. Having clear understanding of Functions, parameters and syntax is crucial in this project.