Anthony Giles

August 16, 2022

IT FDN 100 B

Assignment 06

To Do List Program

# Introduction

This week’s assignment involves creating a simple program that will demonstrate how to create *functions* with the use of *classes*. We also will be uploading program data to GitHub.

# Creating the Program

File was created in PyCharm using starter file per instruction. (Figure 1)

Text

Description automatically generated  
***Figure 1: Shows starter file with modified header***

# Create Required Process Functions

Created the following functions by using the *def* statement and specifying required *parameters* for passing variables. “**add\_data\_to\_list**“ function (Figure 2), “**remove\_data\_from\_list**” function (Figure 2.1), “**write\_data\_to\_file**” function (Figure 2.2)

## Text Description automatically generated

***Figure 2: Shows “ add\_data\_to\_list” function***

Text

Description automatically generated

***Figure 2.1: Shows “ remove\_data\_from\_list” function***

***Text

Description automatically generated***

***Figure 2.2: Shows “ write\_data\_to\_file” function***

Create Required Input Functions

Created the following required input functions and returned specified values. “**input\_new\_task\_and\_priority**” function (Figure 3), “**input\_task\_to\_remove**” (Figure 3.1)

Text

Description automatically generated

***Figure 3: Shows “input\_new\_task\_and\_priority” function***

Text

Description automatically generated

***Figure 3.1: Shows “input\_task\_to\_remove” function***

# Executing Program

Per instructions program was executed from PyCharm. (Figure 4)

Text

Description automatically generated

***Figure 4: Shows program execution***

Display data file from within PyCharm. (Figure 4.1)

Graphical user interface, text, application

Description automatically generated

***Figure 4.1: Shows item entry in data file***

Per instructions program was executed from terminal. (Figure 4.2)

Text

Description automatically generated

***Figure 4.2: Shows program execution***

Opened data file to confirm data entry. (Figure 4.3)

Graphical user interface

Description automatically generated with low confidence

***Figure 4.3: Shows item entry in data file***

# Summary

This week’s assignment involved creating a simple program that demonstrated how to create *functions* with the use of *classes*. We also uploaded program data to GitHub with the addition of a GitHub Web Page.