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Foundations of Programming: Python

Assignment 05

**Creating a To Do list**

I**ntroduction**

In this article I will discuss how I modified an existing script template to create a "ToDo" list that reads data from a ToDo List text file into a list of dictionaries, adds and removed items to and from the list. It also will save or not save those changes to the file. I will then discuss how I tested this. Last, I will then discuss how I created a git account and uploaded the project to git.

**Modifying the existing template**

The first step I did was review the provided template and add in missing code for items 1-5.

For option one I give the user the choice to view the current items. I did this by printing the task and row in the dicRow variable that was declared earlier and was provided in the template. For option two they can add a new list item to the .txt file. This adds the values to the dictionary with “Task” and “Priority”. For option 3 the user can remove an item from the iist. This asks the user what they would like to remove, then loops back to see if what the user enters matches what is in the file. If there is a match the item is deleted. If not they will get a no item found error. If the user selects option 4 they can save the data to the file. Last, option 5, Exit.

**Testing:**

I tested my script using PyCharm (see figure 1) and command line (terminal)(see figure 2).

Text

Description automatically generated

**Figure: 1**

**Graphical user interface, text, application

Description automatically generated**

**Figure: 2**

**Adding the source to github**

I have experience using github through my work, but did not have a personal account. I created a personal account and uploaded my file to my repository. See Figure 3.

Graphical user interface, text, application, email

Description automatically generated

**Figure: 3**

**Summary:**

In this article I discussed how I went about modifying a to do list script with menu options and using lists and dictionaries that were covered in module 5.