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Assignment 5

Documentation for To Do List Script

Introduction:

This document explains the working process of *To Do List program* script

The script asks user to enter a choice from menu items (list of 1 through 5) where each choice accomplishes the following task:

- 1) Show current data,
- 2) Add a new item,
- 3) Remove an existing item,
- 4) Save data to file and
- 5) Exit program

When the program is run and if first choice is selected, it displays the existing to do list as shown in the following screenshot:

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

Which option would you like to perform? [1 to 5] - 1

Your current list is:
  Task  Priority
Laundry, 1

Grocery, 1

Bake, 9

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

Which option would you like to perform? [1 to 5] -
```

Figure 1: Working Script in PyCharm when Option 1 is selected

When choice 2 is selected, the program asks user-input for a new to do item and its corresponding priority value to be added to the list. Once that is added, the program adds that item to its existing to do list as displayed in the following screenshot:

```
Which option would you like to perform? [1 to 5] - 2

Enter your to do item:
wash car
Enter your priority value:
7
Wash Car has been added to your to do list
Here is your current list
Laundry, 1

Grocery, 1

Bake, 9

wash car, 7
```

Figure 2: Working Script in PyCharm when Option 2 is selected

When the user selects option 3 (to remove last item), the program asks if the user wants to delete the last item (with choices between 'y' and 'n'). If the user types 'n', the list is kept as it is. However, if the user types 'y', the last item from the to do list is deleted and current list and their corresponding values are displayed as displayed in the following screenshot:

```
Which option would you like to perform? [1 to 5] - 3

Your weekend seems to be full
Do you want to remove the last item? Y/Ny
Your last item was deleted
Here is your current to do items and their respective priority values
Laundry, 1

Grocery, 1
```

Figure 3: Working Script in PyCharm when Option 3 is selected

If the user selects option 4, the to-do list is saved to the ToDoList.txt file and a confirmation message is generated as shown below.

```
Which option would you like to perform? [1 to 5] - 4

Your ToDoList.Txt file is saved
```

Figure 4: Working Script in PyCharm when Option 4 is Selected

The program ends when the user selects option 5.

The following discusses the documentation for To Do List program script in command shell

When choice 1 is entered, the program displays existing to do list. When choice 2 is entered, the program asks for user for a new to do item and its respective priority value. Once entered, they are saved on the to do list as displayed in the following screenshot:

```
Which option would you like to perform? [1 to 5] - 1

Your current list is:
Task Priority
Laundry, 1
Grocery, 1
Bake, 9

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

Which option would you like to perform? [1 to 5] - 2

Enter your to do item:
Car Wash
Enter your priority value:
7
Car Wash has been added to your to do list
Here is your current list
Laundry, 1
Grocery, 1
Bake, 9
Car Wash, 7
```

Figure 5: Working Script in PyCharm in Command Shell when Options 1 and 2 are Selected

When user selects option 3, the program asks if the user wants to delete the last item. If the user confirms with a 'y', then the last item is removed from the to do list and a confirmation message is generated as displayed below:

```
Which option would you like to perform? [1 to 5] - 3
Your weekend seems to be full
Do you want to remove the last item? Y/Ny
Your last item was deleted
Here is your current to do items and their respective priority values
Laundry, 1
Grocery, 1
Bake, 9
```

Figure 6: Working Script in PyCharm in Command Shell when Option 3 is Selected

When option 4 is selected, the program saves current to do list on to a text file. When option 5 is selected, the program is ended. The following screenshot shows the output of options 4 and 5 respectively:

```
Which option would you like to perform? [1 to 5] - 4
Your ToDoList.Txt file is saved

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

Which option would you like to perform? [1 to 5] - 5
Exiting the program
```

Figure 7: Working Script in PyCharm in Command Shell when Options 4 and 5 are Selected

The to do list data is added in a text file as displayed in the following figure:

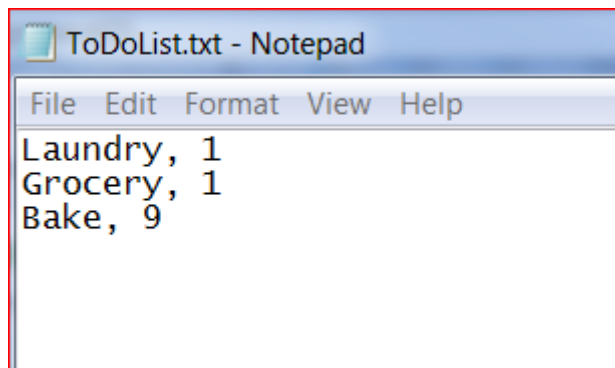


Figure 8: User-input Data Added in a Text- File

Summary:

In summary, this document explains what ToDoList script does.