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Nov 22, 2020
IT FDN 130 A Au 20: Foundations Of Databases
Assignment 5

Working with Dictionaries and Files

Introduction

In this assignment we were working with dictionaries and creating text files. We were given some starter code that was very helpful and helped to lay the groundwork for the assignment. We also had to create a text file that listed what we had on our to do list and what priority we would give that task. This is a great way to ask people what is on there to do list and what priority they would assign that assignment.

Creating a Dictionary

In the first step we are asking the program when it starts to load any data that you have in the ToDoList.txt. In the next step we are asking the program to give us a menu of options to ask the user - Show current data, Add a new item, Remove an existing item, Save data to file or exit the program. At the very start the program asks 'Which option would you like to perform?'

After that the user can go through and make their selections. If they select to show the data but there is no data in the txt file yet then the user will get an error message that says 'There's nothing here yet!'. If you select add a new task then you will be asked what is the new task and what priority level is that task. The third option is if you want to remove a task from the list. If you enter a task that is not in the list then you will get back a message of 'I'm sorry, that task doesn't exist.'

The fourth option is asking you if you want to update your txt file. This is important so that you don't lose any data. It takes the data you input and copies it into your txt file. The last option allows you to exit the program.

Conclusion

In this assignment we gave the user 5 options to choose from. Based on their inputs the program would do different things. It would Show current data, Add a new item, Remove an existing item, Save data to file or exit the program. This is a great way to create a basic list and then have the user save the list and give the task in the list a priority.