Python Persistent Todo List

Contents

Time required: 90 minutes

Develop a simple To-Do list application in Python that allows users to add, view, and save tasks to any type of file. Save to a text file or pickle it if you can. This can be in OOP if you wish.

readlines()

Instead of reading individual lines, use the **readlines()** method in this program. This will read all the lines in the text file at once. When you print the variable that you have read the lines into, you will have the entire text file printed at once.

Requirements

Create TODO pseudocode for the project.

Add Task:

- Implement a function to add tasks to the to-do list file.

- Prompt the user to input a task and add it to the list.

View Tasks:

- Create a function to display all tasks in the to-do list file.

Exception Handling:

- Implement proper exception handling for file operations (e.g., file not found, incorrect file format).

- Display a meaningful error message to the user in case of an exception.

User Interface:

- Create a simple text-based user interface to interact with the to-do list.

Example run:

```
---- Bill's Todo List -----
1. Add Task
2. View Tasks
3. Exit
Enter your choice (1-3): 1
Enter the task: Clean kitcher
Task added successfully.

---- Bill's Todo List -----
1. Add Task
2. View Tasks
3. Exit
Enter your choice (1-3): 2
To-Do List:
Buy ice cream
Shovel snow
Clean kitchen

---- Bill's Todo List -----
1. Add Task
2. View Tasks
3. Exit
Enter your choice (1-3): 3
Exiting program. Goodbye!
PS Z:\_WNCC\Python\Assignment
ions\ms-python.python-2023.22

---- Bill's Todo List -----
1. Add Task
2. View Tasks
3. Exit
Enter your choice (1-3): 2
To-Do List:
Buy ice cream
Shovel snow
Clean kitchen
```

Assignment Submission

1. Attach the program files.

2. Attach screenshots showing the successful operation of the program.

3. Submit in Blackboard.