

Project: To-Do List Manager

**DUE DATE: 09/15**

Project Description:

Create a basic to-do list manager that allows users to add, view, and mark tasks as completed. Tasks will be stored as dictionaries with task details.

Requirements:

1. User Input:

- The program should allow the user to interact with a to-do list through a simple command-line interface.

2. Task Management:

- Users should be able to add tasks to the to-do list. Each task should have the following details:

- Task title
- Task description
- Task status (e.g., "Incomplete" or "Complete")

3. View Tasks:

- Provide an option for users to view all tasks in the to-do list.
- Display task details, including title, description, and status.

4. Mark Tasks as Complete:

- Allow users to mark tasks as "Complete" or change their status.

5. Task Storage:

- Store tasks as dictionaries within a list. Each task should be represented as a dictionary with keys for title, description, and status.

6. User-Friendly Interface:

- Create a user-friendly menu that allows users to choose from options like adding tasks, viewing tasks, marking tasks as complete, and quitting the program.

7. Error Handling:

- Implement error handling to handle potential issues, such as invalid user input.

8. Documentation:

- Include clear comments and documentation to explain the program's functionality and how to use it.

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Example Interaction:

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To-Do List Manager

1. Add Task
2. View Tasks
3. Mark Task as Complete
4. Quit

Enter your choice (1/2/3/4): 1

Enter task title: Buy groceries

Enter task description: Milk, eggs, bread

Task 'Buy groceries' added successfully!

To-Do List Manager

1. Add Task
2. View Tasks
3. Mark Task as Complete
4. Quit

Enter your choice (1/2/3/4): 2

Tasks:

1. Title: Buy groceries  
Description: Milk, eggs, bread  
Status: Incomplete

To-Do List Manager

1. Add Task
2. View Tasks
3. Mark Task as Complete
4. Quit

Enter your choice (1/2/3/4): 3

Enter the task number to mark as complete: 1

Task 'Buy groceries' marked as complete!

To-Do List Manager

1. Add Task
2. View Tasks
3. Mark Task as Complete
4. Quit

Enter your choice (1/2/3/4): 2

Tasks:

1. Title: Buy groceries

Description: Milk, eggs, bread

Status: Complete

To-Do List Manager

1. Add Task

2. View Tasks

3. Mark Task as Complete

4. Quit

Enter your choice (1/2/3/4): 4

Goodbye!

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This project provides a straightforward way for beginners to practice using dictionaries and lists while creating a practical to-do list manager.