

# TO DO APP

Project Title: To-Do List with Priority & Deadlines

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## Project Report

This project implements a terminal-based To-Do List in Python, allowing users to add, view, and delete tasks with priority levels and deadlines. Tasks are saved in a JSON file for persistence, and the program offers a flexible menu that accepts both numbers and text commands.

### Features

- Add tasks with title, priority (High/Medium/Low), and deadline (YYYY-MM-DD).
- View tasks sorted by priority and deadline.
- Delete tasks by selecting the task number.
- Flexible menu: accepts numbers or text commands.
- Tasks are stored persistently in tasks.json.
- Fully terminal-friendly and easy to run on any Python-supported platform.

### How The Project Works

The user is presented with a menu, where they can add, view, or delete tasks.

When adding a task, the program asks for title, priority, and deadline.

Tasks are saved automatically in tasks.json.

Tasks can be viewed sorted by priority and deadline.

Tasks can be deleted by selecting their number from the list.

The menu allows input as numbers (1-4) or text commands like add, show, delete, exit.

## Conclusion

The To-Do List project demonstrates practical Python programming skills, including file handling, user interaction, and logic structuring. It is fully functional in terminal environments and can be extended with features such as task filtering, overdue alerts, or a graphical interface.