

Simple Todo Application

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Project Introduction

This Simple Todo Application is designed to manage tasks in a list.
It allows users to:

- ▶ Add new tasks
- ▶ Mark tasks as completed
- ▶ Delete tasks
- ▶ View all tasks

Technologies Used

- ▶ **Backend:** Django (Python)
- ▶ **Frontend:** HTML, CSS
- ▶ **Database:** SQLite
- ▶ **Version Control:** Git and GitHub
- ▶ **IDE:** PyCharm

Project Flow

1. User adds a task through the UI.
2. Task is stored in the database.
3. User can view tasks on the task list page.
4. User can mark tasks as complete or delete them.

Code Walkthrough

models.py:

- ▶ Defines a model for the Task with 'name' and 'completed' fields.

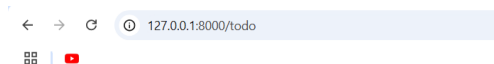
views.py:

- ▶ Handles the views for displaying, adding, and deleting tasks.

Challenges Faced

- ▶ Form validation for input fields
- ▶ Handling task deletion and updates efficiently

User Interface of To-Do Application



To-Do List

[Add Task](#)

- ~~buy groceries~~ [Complete](#) | [Delete](#)
- Attend classes [Complete](#) | [Delete](#)
- Complete assigned tasks [Complete](#) | [Delete](#)

Figure : The user interface of the To-Do application, showing the task list with the option to add and complete tasks.

Conclusion

- ▶ Developed a functional Todo application with Django.
- ▶ Gained experience with Django models, views, and HTML templates.
- ▶ Learnt about using Git for version control.