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App Dev 1

Overview

TaskTracker is a streamlined, user-friendly web application designed to help users manage their daily tasks effectively. With its clean interface and essential features, TaskTracker empowers users to stay organized without the complications of overly complex task management tools.

Installation Instructions

To set up and run TaskTracker locally, follow these steps:

❖ Download the Project Files:

- Clone or download the repository from GitHub.

❖ File Setup:

- Ensure you have the following files:

- index.html
- styles.css
- script.js

❖ Run the Application:

- Open the project folder in Visual Studio Code or any code editor.

- Right-click on the index.html file and select **Open in Browser** (or use a live server extension if installed).

❖ **Test the Application:**

- Use your browser to interact with the app by adding, viewing, and deleting tasks.
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User Guide

TaskTracker is intuitive and straightforward to use. Here's how to get started:

❖ **Add a New Task:**

- Enter a task title in the input field.
- Select a due date using the date picker.
- Click the **Add Task** button to save the task.

❖ **View Your Tasks:**

- All tasks appear in a list below the "Your Tasks" section.
- Each task displays its title, due date, and a **Delete** button.

❖ **Delete a Task:**

- Click the **Delete** button next to any task to remove it from the list.

❖ **Persistent Storage:**

- Tasks are stored locally in your browser's localStorage and remain accessible even after refreshing the page or closing the browser.
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Known Issues & Limitations

While TaskTracker successfully meets its primary objectives, the following design decisions led to some limitations:

❖ Single-User Scope:

- TaskTracker does not support multiple users or account-based management. The simplicity of localStorage was chosen to maintain focus on core functionality rather than user-specific task separation.

❖ Lack of Edit Functionality:

- Tasks cannot be directly edited once created. This design choice was made to keep the user interface clean and reduce complexity.

❖ No Task Categories:

- Tasks cannot be grouped into categories like "Work" or "Personal." This feature was excluded to maintain a minimalistic approach, focusing on the essential task-tracking experience.

Future Enhancements

Several improvements could elevate TaskTracker's functionality and user experience:

❖ User Authentication:

- Adding login and registration features would allow multiple users to manage their own tasks securely.

❖ Task Editing:

- Implementing the ability to edit existing tasks without deleting and recreating them.

❖ **Cloud Storage:**

- Introducing a database or cloud integration to make tasks accessible across multiple devices.

❖ **Task Categorization:**

- Allowing users to group tasks into categories such as "Work," "Personal," or "Urgent."

❖ **Reminders and Notifications:**

- Adding reminders for upcoming tasks via email or push notifications to help users stay on track.

Conclusion

TaskTracker provides a lightweight, effective solution for managing daily tasks. It focuses on simplicity and usability, offering a reliable way for users to stay organized. With its solid foundation, TaskTracker can easily evolve with additional features, making it a valuable tool for personal task management.