

This web application is an Item Manager that helps you keep track of things by letting you add, view, update, and delete items. It uses an Express.js server with routes for all four HTTP methods: GET, POST, PUT, and DELETE. The server keeps an in-memory list of items that updates as you use the app. It also handles errors and sends JSON responses for all requests, even when something goes wrong. The app serves static files like the webpage and scripts from a public folder. On the client side, you can easily manage your list through the webpage, which updates in real-time when you add or delete items. For example, you could use it to keep track of tasks, groceries, or any small list you want to organize. This project demonstrates how a web server and client can work together to manage data and handle errors properly.

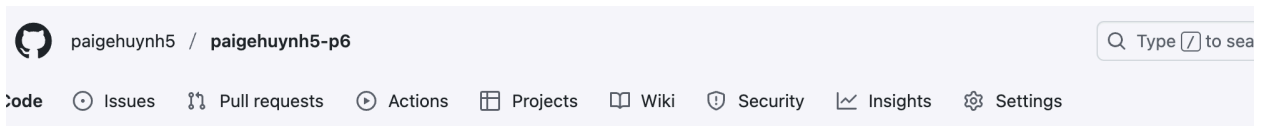
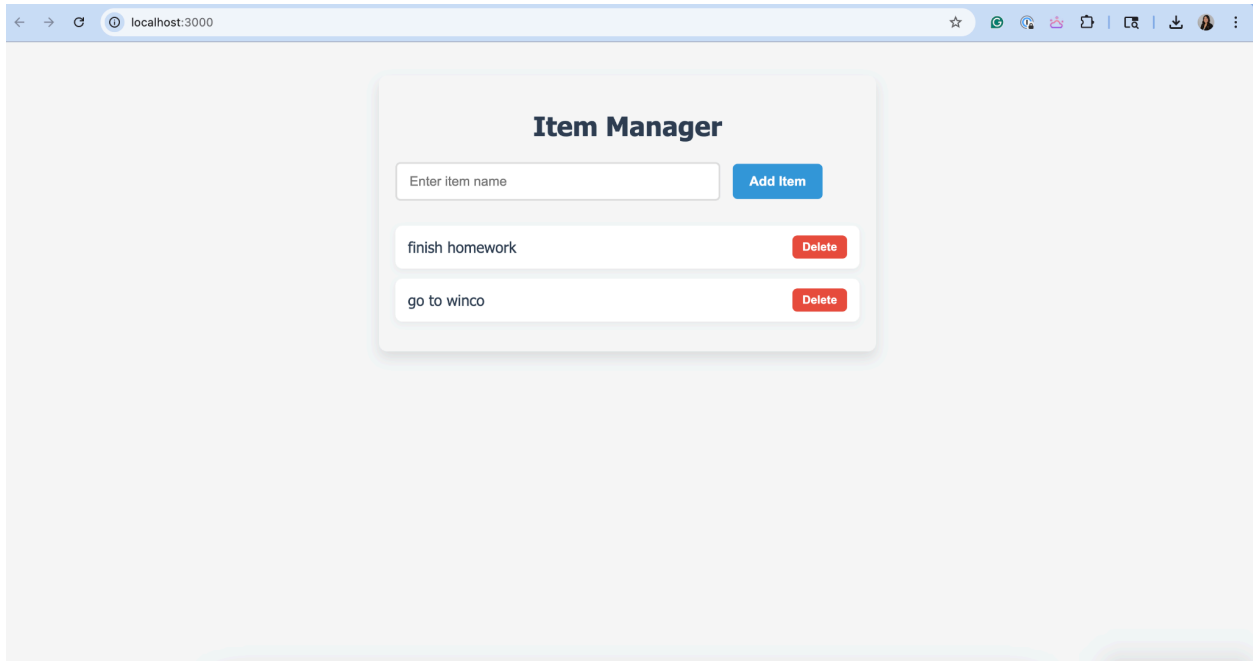
## **AI Prompts**

### *For the Server:*

- "Can you provide example code for an Express server that supports GET, POST, PUT, and DELETE routes with JSON responses?"
- "How do I handle errors and send JSON error messages in an Express app?"
- "How do you serve static files from a public folder in Express?"
- "What's a good way to maintain an in-memory array for CRUD operations in Node.js?"

### *For the Client:*

- "Can you write simple JavaScript functions to fetch and display data from an API?"
- "How can I update a webpage dynamically after adding or deleting an item with the fetch API?"
- "Suggest CSS styles to make a basic web app look cleaner and more user-friendly."
- "How to structure HTML and JS files for a basic interactive item list?"



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paigehuynh5 Initial commit			f7f82a3 · 23 minutes ago 1 Commit		
cit281-lab7	Initial commit	23 minutes ago			
paigehuynh5.github.io	Initial commit	23 minutes ago			
public	Initial commit	23 minutes ago			
.DS_Store	Initial commit	23 minutes ago			
.gitignore	Initial commit	23 minutes ago			
lab-07.zip	Initial commit	23 minutes ago			
p6-server.js	Initial commit	23 minutes ago			
package-lock.json	Initial commit	23 minutes ago			
package.json	Initial commit	23 minutes ago			

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

○ paigehuynh@dyn-10-108-56-238 p6 % node p6-server.js  
Server running at http://localhost:3000

