

Experience During Project Development

Started with Algorithms:

I began by working on the algorithms, making some progress in implementing the necessary logic.

Backend Development:

Created the required backend components as specified in the test case. Established a database connection and integrated SQLite3 for data storage. Set up the necessary routes for the application. Implemented CORS (Cross-Origin Resource Sharing) to handle requests from different origins. Initially, I struggled to understand how to configure CORS in Golang, but I learned and resolved it during the project.

Frontend Development:

Started with a single-page application using `page.tsx`. Integrated backend-provided endpoints into the frontend. Refactored `page.tsx` by splitting its components into separate files for better organization.

Documentation:

Wrote the initial version of the `README.md` file to document the project setup and usage.

Testing:

Used Jest to write tests, but since I had no prior experience with writing tests, I found this step challenging. Although the tests were not as robust as I wanted, they provided basic functionality.

Final Touches:

Updated the `README.md` file with the latest project information. Completed the algorithms section, finalizing the logic and ensuring everything worked as intended.

Challenges Faced:

I struggled with writing tests as I had no prior experience in this area. Understanding and implementing CORS in Golang was initially difficult, but I managed to learn it during the project.