**Thought Process:**

Going to use React Native since that's what I know. Never used Firebase; similarly used Clerk in the past for some PoC. Need Nativewind, Toast, Map, Firebase and import img via library

Interested in using the Expo Workflow since it makes development easier but worried about some libraries being incompatible; This is stuff I know from my last project (Scangaroo).

Mainly map + import image libraries were suspected to be problematic with expo

I am going to start with a bare app with authentication and continue from there

Looked at https://github.com/expo-community/expo-firebase-starter?tab=readme-ov-file

Would've used expo-firebase-starter but it uses older expo sdk + js (I want Typescript)

and Expo documentation:

https://docs.expo.dev/guides/using-firebase/

Did

npx create-expo-app@latest Notemap


**Prompt Summary:**

Developed via VSCode Agent, Claude Sonnet 4

Used many prompts, here is a summary of the most notable ones:

*This is a clean project I've generated via npx create-expo-app@latest Notemap. It uses React Native + TS. Remain in Expo Workflow. Please set up Authentication via Firebase JS SDK and use the best practices. Additionally, theme should be dark. Have a login page and signup page. Once logged in, take the user into a main screen. After login the user should be logged-in in the next time he opens the application.*

*Please rewrite all the app so it uses nativewind instead of generic styles*

*Before we continue to integrate new features, please take a look at the structure of the entire project. Is this optimal? Am I doing any bad practices here?*


*Implement a map page via react-native-maps*

*Add an animated toast. For the first error, have it if the user presses on the all notes button but doesnt have any notes*
*have random colors for each marker*

*create a bunch of notes around my current location (add them to the list) for testing purposes*