

Real Estate Property Search Mini-App

Objective:

Build a basic mobile app using React Native (with Expo) that allows users to search for properties by location and view property details. The goal is to demonstrate proficiency with React Native, Expo, state management, and API integration.

Project Requirements:

Property Search Interface:

Create a simple search screen where users can input a city or ZIP code to find properties in the United States.

Fetch mock property data from a JSON file or a mock REST API.

Display and update a MapView with the properties marked with markers, within the marker callout include the image of the house and address.

Property Detail Screen:

When a user taps on a property callout, navigate to a detail screen displaying more information about the property (price, address, description, and an image). Include a way to go back to the map.

UI/UX:

Ensure the app uses responsive design that works across different screen sizes.
Keep the design simple but clean using Expo's components or built-in React Native styles.
AI Integration (Bonus Task):

Document how an AI tool (such as Copilot or GPT) was used during the project, either for generating code snippets or optimizing certain sections.

Additional Requirements:

Use React Native with Expo to develop the app.
Ensure the app runs on both iOS and Android.
Structure your code with reusable components where possible.
Provide a basic README file explaining the app structure, how to run it, and any dependencies.

Expected Deliverables:

A fully functioning React Native app.

Code hosted in a public repository (e.g., GitHub).

A README file explaining how to run the app, the features implemented, and any AI tool usage (if applicable).