Current Platform & Technologies Plan

Our project will be developed as a web application that works on both desktop and mobile browsers. We chose the web platform for accessibility, faster updates, and easier testing during development.

We are using React + Next.js as our primary framework for both the frontend. It offers built-in API routing, fast rendering, and smooth integration with modern UI libraries. For our data layer, we will use Supabase, which provides a hosted PostgreSQL database along with built-in authentication and storage.

To visualize spending data and insights, we plan to use ShadCN and TailwindCSS for UI styling and charts that integrate seamlessly with Next.js. This will allow us to show clear visual breakdowns of expenses and budgets.

We will also integrate Google Gemini's API to help interpret receipt text and also text from voice recordings (extracted by OpenAI's Whisper) to provide smart spending insights for users, giving the system a personalized and interactive element.

EJ Matugas has experience in React/Next, Supabase, and OpenAI API. EJ will be learning how to utilize ShadCN and TailwindCSS for charts as he is fairly new with the library.

Eric Wang has experience in Gemini API and AWS. Eric will be learning how to use Supabase as he is new with it.

Joshua Yi has experience with React and Next.js. Joshua will be learning how to utilize ShadCN and TailwindCSS as he is new to the library.

Giap has experience with backend development and API development. He will need to learn to use Supabase to work on the backend along with Eric.