Tools

We built our final prototype using React Native, VS Code, and Supabase. React Native served as a tool for implementing our front-end and UI requirements. We used Supabase for the backend to create a database to store users' previous and currently active tasks. We used Apple's Xcode Simulator to test the app while building the final prototype.

Operational Details

Our prototype was built using React Native. The prototype may be opened on an Apple or Android device with Expo, although we recommend Apple. In addition, note that our app is optimised for iPhone 13 Pro and iPhone 14 Pro Max.

It can be downloaded as a zip file with our source code via this Github link: https://github.com/tinglinn/whisper

Ensure you have an XCode simulator open.

1. Unzip the package, and then navigate to where you unzipped the files.
2. In the Terminal, execute the following commands: npm install. npm expo start.
3. Ensure that you are building the program using the iPhone 14 Pro Max simulator
4. Then press 'i' to build.

Limitations

As we were operating under time constraints, there are several limitations in our app to note.

1. We were not able to create a comprehensive calendar page. We assume that by integration into Google Calendar/ICal, the features on the app will look

roughly similar as the companion mobile apps to Google Cal/ICal with our design system. Our prototype also is limited in syncing with other scheduling apps and with apps on the Desktop where users may also want to add tasks.

2. We further did not implement a fully-fledged system for removing/duplicating tasks. With duplicating, users may select an existing task type and adjust specs as needed.
3. We did not implement error catches for when the user attempts to input a task or event with mismatching information (ex. Due in 2 hours, but the user sets a 4 hour time block).
4. Our prototype does not have fleshed out privacy permissions or a secure log-in system.
5. The prototype further lacks the ability to rearrange tasks by user choice.

Ultimately, our prototype provides a simplified version of the basic functionality of our app.

Hard-coded elements

To simulate the full experience of the app, the following aspects were hard coded.

1. Insights about the user based on previous time management and tracking
2. Default user task types; but users may add new ones or modify/delete existing ones.
3. User's upcoming events on the calendar page
4. Welcome message based on the user's most recently completed tasks