Locked in

High-Fi Prototype README

Team Members

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Target Audience

LockedIn is designed to assist undergraduate students who seek efficient ways to organize study materials and find study groups. These students value collaboration for academic success but often find it challenging to coordinate study sessions due to conflicting schedules and limited access to peers who share similar goals.

Design Tools

We built our high-fidelity prototype using React Native and Expo. We tested the app throughout development using Apple's Xcode Simulator and our personal mobile devices utilizing the Expo Go app.

Task Flows

Following a login and registration process, users can explore the following flows:

- **Simple**: Discover public study sessions for a class
- **Moderate**: Upload class syllabi and assignments to receive AI-powered study plans.
- **Complex**: Create a study profile and get matched with recurring study groups or partners.

Operating Instructions

You can access our prototype on an iOS device, an Android device, or online. For the best experience, we recommend accessing it on an iOS device..

To access the app on an iOS device:

1. Download the "Expo Go" app from the App Store.
2. Log in to Expo using any google account. A google account for testing is:
   - Email: lockedin.appreviewer@gmail.com
   - Password: LockedInReview2024!
3. Open your phone's browser and visit (or scan the QR code):
   https://expo.dev/accounts/alexyue/projects/Locked-In-App/updates/b258dd
   58-d138-4208-93c6-47f4221d84ec
4. Click "Preview" and then "Open project using Expo Go" to launch the app.

Note:

- The version accessible via this link may occasionally crash due to how Expo loads assets. For a more stable version, you can either:
  - Run it via Expo tunnel (contact us for details), or
  - Request to join our testflight group, or
  - Clone the project directly from
    https://github.com/Alezander9/Locked-In-App

Notes

- The AI task extractor is using Open AI's GPT 4o model to read the uploaded file. Streaming the uploaded file to Open AI could use optimization. **A typical file takes ~15 seconds to analyze**, please be patient when testing.
- Public study sessions are stored in the database. When you create a new public study session, it is **visible to all other testers**. Please keep this in mind when creating events.
- Dark mode is supported and adapts to the user's device settings. However, **we recommend light mode** for the most polished visual experience.

Prototype Limitations

Our app isn't fully implemented! There are still features left unimplemented:

1. Users cannot interact with their matches once they match with other users, as these matches are actually hard-coded
2. Users cannot select classes outside the stanford class database
3. The app is untested on android
4. Private study sessions are not implemented yet and the toggle in the study session creation screen is non functional

Wizard of Oz Techniques

In order to create a finished product, we employed Wizard of Oz techniques to simulate features beyond the scope of our app. The techniques we used are detailed below:

AI Matching

Employing AI matching between similar profiles as a wizard of oz technique allowed us to simulate the AI-driven matching process within our prototype without fully implementing the backend functionality. Users completed the survey questions about their study habits, preferences, and schedules, as they would in the final version of our app. However, instead of having the AI system automatically matching users based on their responses, we would display preset matches following the survey completion. This approach enabled us to test the user interface without the complexity of building an entire AI system and having a large active user base.

Social Media Linking & Advanced Settings

In our settings page we show several advanced options such as the ability to share location and contacts with the app and link social media accounts to their profile. We wanted to let users customize what level of information they wanted to share, as this personalization is key to our value of privacy. However, instead of actually collecting such data from the user, we simply toggle the state of each setting to "allowed" or "account linked" when tapped.

Hard-coded Items

Preset Study Sessions

The study sessions listed in the home feed are not generated from real users. The developers hard coded the example study sessions for testing and prototype construction purposes. Users can post new study sessions that will be added to the home feed, but these updates do not persist on other users' screens.