

Get A Grip App Proposal:

Summary:

After pandemic production shutdowns, strikes, production cuts and catastrophic fires... the Hollywood production community is struggling, with many out of work and looking to make ends meet. Get a Grip would connect talented and hardworking creatives and craftspeople looking for non-production work, with other members of the community looking to hire, with a feature to connect to the IMDB database and search by credits. Need a hairstylist for an event? Need a TV mounted? Need your files organized? Furniture moved? Why not hire the out of work crew from the last show you worked on! Or even just your favorite show.

Tech Stack:

- Frontend:
 - React: for building the web application, allowing a seamless and fast user experience.
 - React Native (stretch goal): Developing a mobile application for great accessibility/usability for users.
- Backend:
 - Node.js with Express: For handling API requests, server side logit and integration with the database.
- Database:
 - PostgreSQL: Will utilize the SQL database system to safely store the relational data for users, jobs, etc.
- Additional Tools:
 - IMDB API: Will tap into the IMDB API to access cast and crew data for users.
 - Google Maps API & Mapbox: Allow users to search and match based on location.
 - Twilio: To allow users to communicate outside of the app via SMS and email.
 - Socket.IO: To allow users to chat in-app.
 - Square Payment Processing Tools (stretch goal): Allow users to pay for services in-app.
 - Firebase (stretch goal): To allow push notifications in the mobile app.

Project Focus:

- The project will evenly focus on front-end and back-end development, to provide an intuitive user-experience and secure data storage and retrieval.

Project Breakdown:

- Database Schema:

- User data, job data, chat data, etc. will be stored in relational database tables.
- Potential API Issues:
 - Will need to ensure the relational connections are setup correctly to ensure proper storage and retrieval for users. Will also need to ensure that the database is scalable for increased traffic.
- Sensitive Information:
 - Will need to encrypt user data, personal information, etc. to ensure security and trust.
- Functionality:
 - Users will be able to list their skills and availability, as well as search based on various filters including location and IMDB credits, for freelance workers to complete gigs for them.
- User Flow:
 - Each user will need to log-in before being able to create an account offering or procuring services. They will be able to search, book, chat with and review each other from within the app.
- Stretch Goals:
 - Mobile app creation, push-notifications for app, payment processing.