Car Wash App: Iteration 1

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Description

An app that allows users to find and hire mobile detailers in their local area, in a fast and simple process. Users can search and filter detailers to meet their specific needs. Detailers can register and provide information to the app so that users can find and hire them.

Features

Technical Features:

- Built with React Native for web and mobile support
- Uses Firebase for user authentication

User Features:

- Businesses can register area, services, and pricing
- Customers can sort and filter by range, services, and pricing
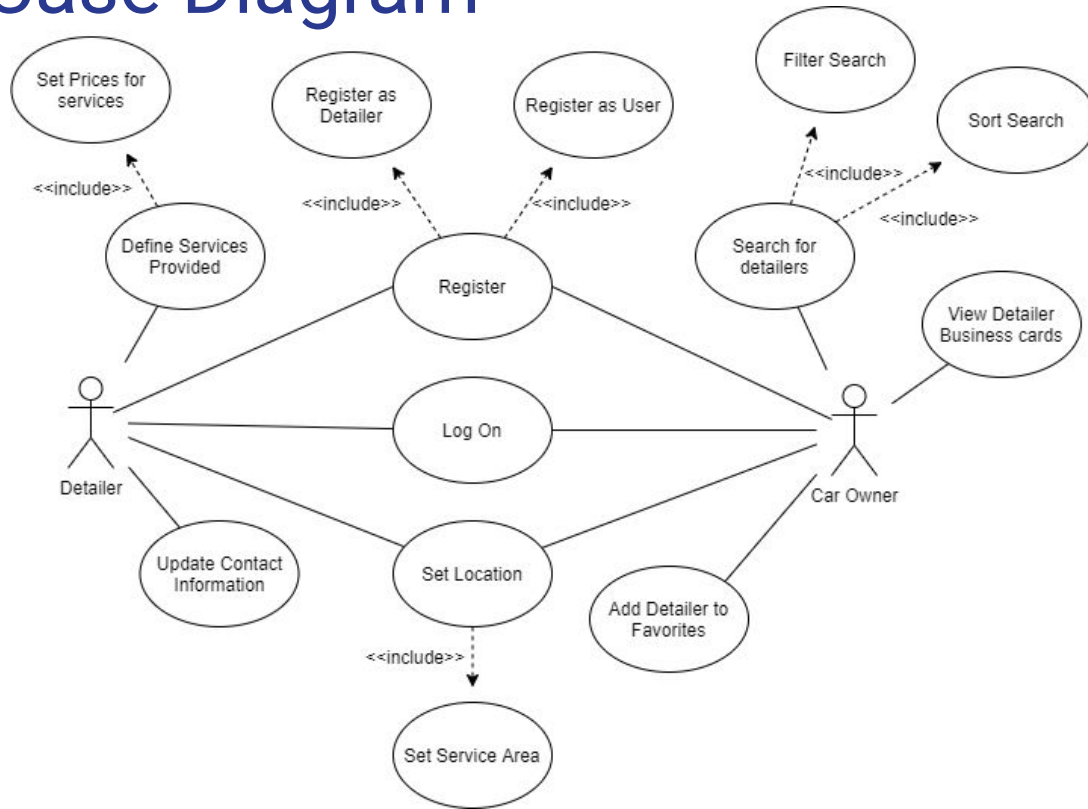- Customers can leave reviews and ratings for businesses

Competitors

- Google search: Favors large companies with proper websites, whereas our app caters to smaller local businesses

- Facebook Marketplace: Allows posting of services, but requires them to be framed as products with a single price; this method is awkward and unintuitive compared to ours

- Craigslist: Features an actual Services section, but contains large amount of redundant listings and spam

Risks: Top Five by Exposure

1. Payment Handling (18 hrs): Handling payment information is extremely dangerous, so we will use an external service like Paypal
2. React Native Issues (9hrs): Our team is inexperienced with React Native, so it will take time to study and familiarize ourselves with it
3. Too Few Partners (6 hrs): If we can't get sufficient data from businesses, we will have to advertise and recruit more ourselves
4. Firebase Issues (2.5 hrs): To avoid any chance of database issues, we will have to make regular backups
5. Fake Businesses: Since criminals could pose as businesses and misuse the app, we will need a business verification system
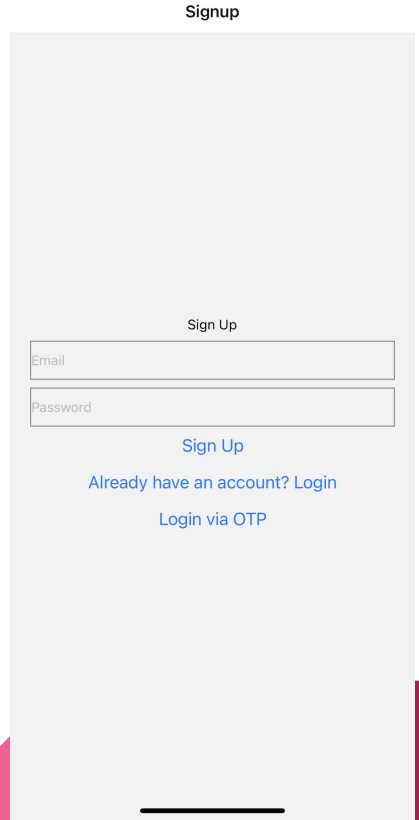
Use Case Diagram

This Iteration

Sign-Up Screen

Goal - To successfully register customers or business owners in the application so they can login their accounts

Sign Up

Email

Password

Sign Up

Already have an account? Login

Login via OTP

Login Screen

Goal - Display a Login page for the users or business owners to login with their credentials to view the contents of their account
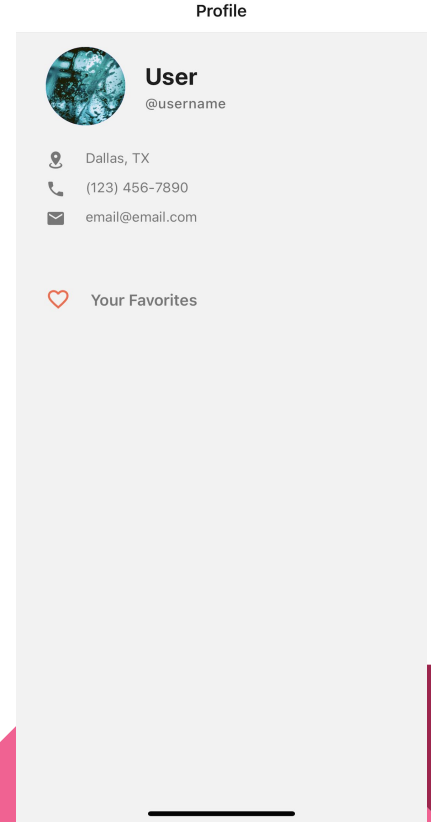
Email

Password

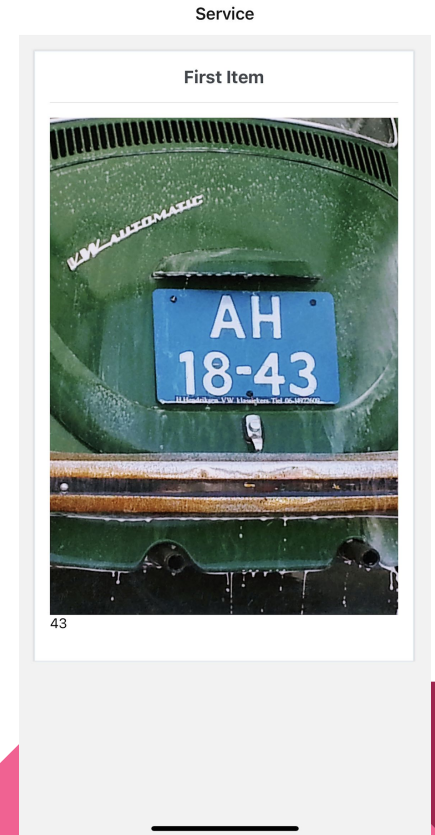Login

Don't have an account? Sign Up

Profile Screen

Goal - Display the informations of the users or business owners

User
@username

Dallas, TX

(123) 456-7890

email@email.com

Your Favorites

Service Screen

Goal - Display the businesses matching the filters set by the customer

First Item

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Next Steps

Cloud Firestore

User Feedback

3 Detailers

- Filter the user, allow them to define whether their vehicle is their grocery getter or their weekend toy. (Quick Detail $ vs. Meticulous Detail $$$)
- Prevent price manipulation
- Non-mobile Detailers

Github Repository

https://github.com/esaunoya/3311-Team-3

Q&A