

CARPOOL CONNECT

Your Ticket to Sustainable Mobility

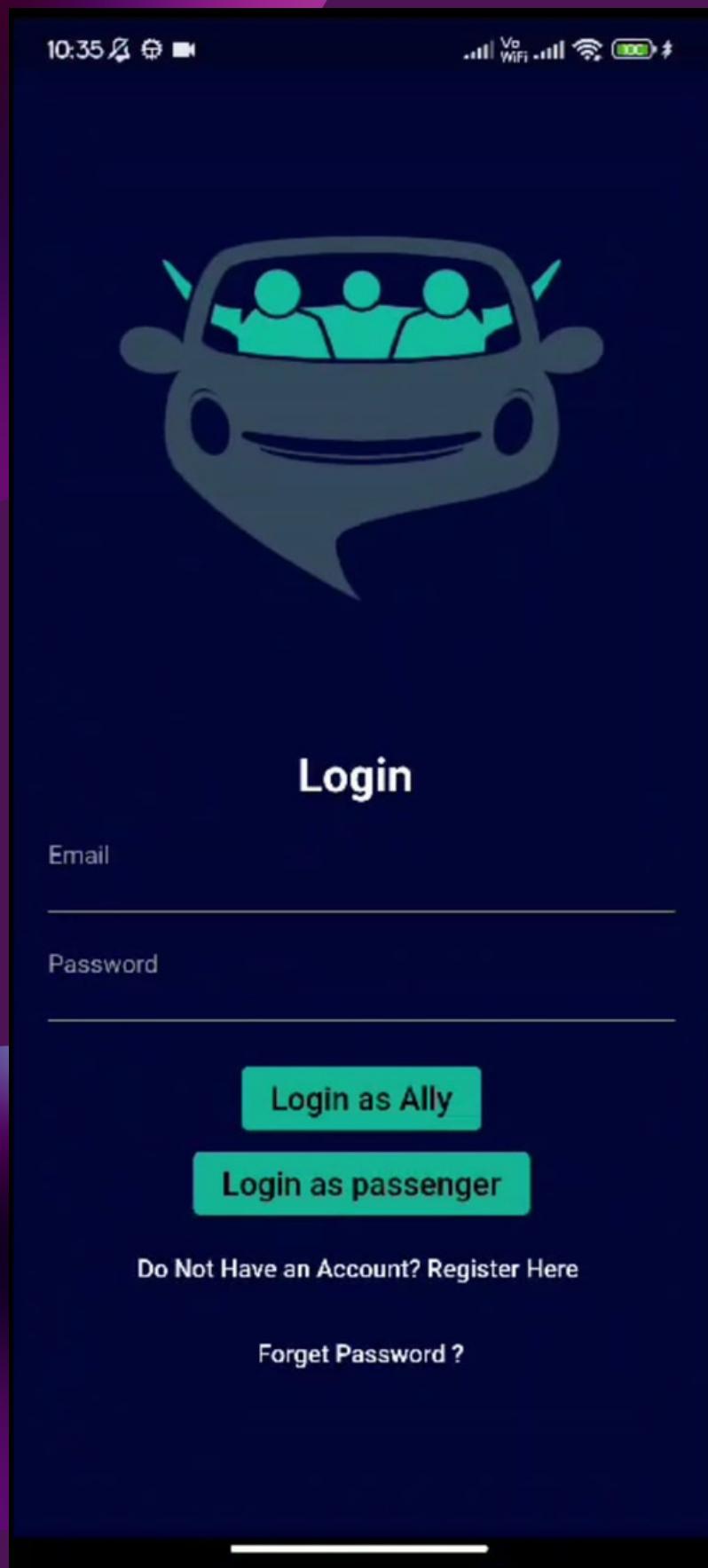
Idea Approach

Our approach centers on developing a comprehensive carpooling mobile app. Upon inputting departure and destination points, users unlock a range of features: seamless integration, fair fare calculations, and secure authentication. The app not only lists available carpooling allies with ratings, names, and contact information but also determines pricing based on factors like distance and peak/off-peak hours. In case of distress, users can activate the SOS button, swiftly connecting them with a nearby police station and sending vital trip details for immediate assistance. For added safety, we introduce the 'Trusted Contact' feature, automatically sharing trip details when the journey begins. This app revolutionizes carpooling, emphasizing security, affordability, and convenience.

FEATURES

- User Authentication
- User Profiling
- Trip Planning
- Ally Profiles
- Fair Pricing & Integration
- Safe and Secured
- Trusted Contacts
- Optimal Path

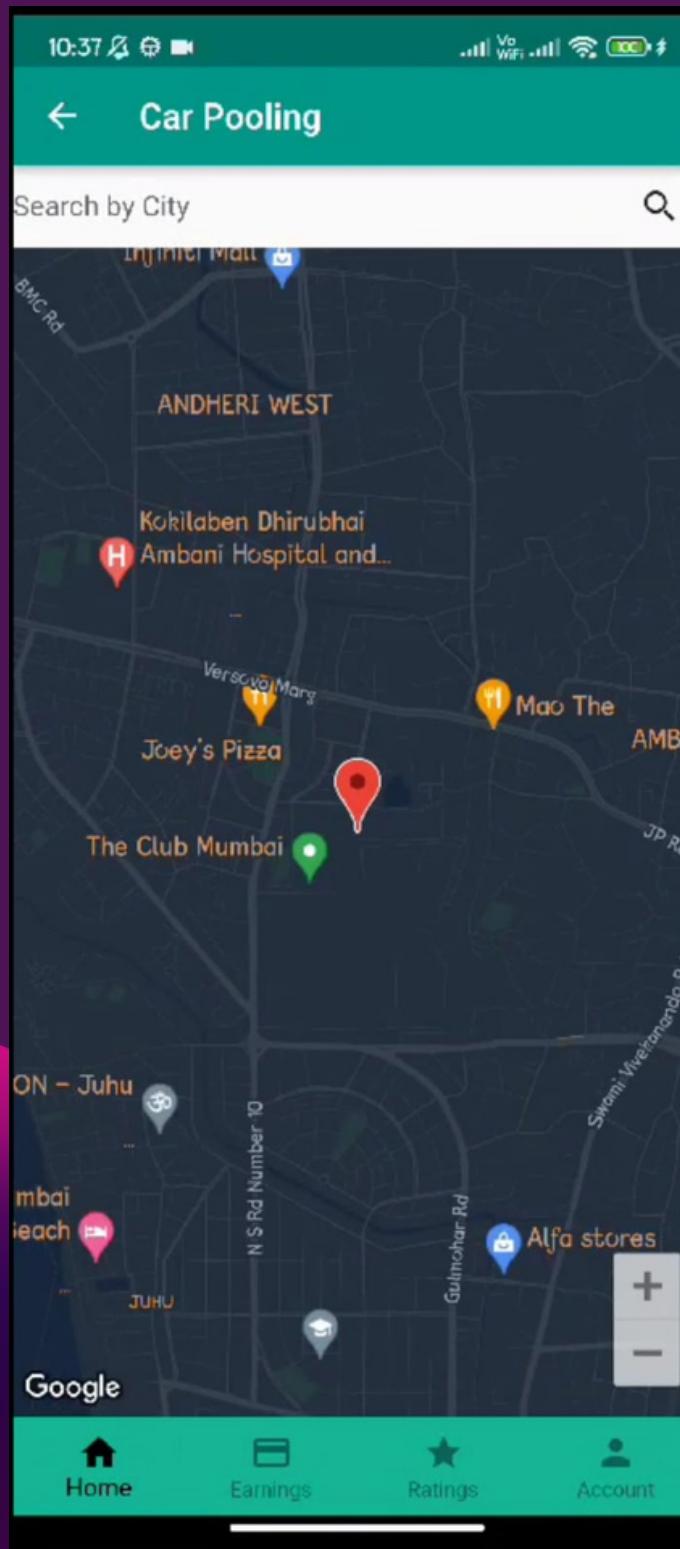
Authentication



- Trust and security are essential in the world of ridesharing. This journey begins with a strong authentication mechanism in our app.
- Your data is valuable to us, and we take its security very seriously. Only authorized users have access to our platform, thanks to our authentication mechanism.
- Whether you join up using your email, phone number, or social network accounts, you can be confident that your information is secure.
- We've built our app on trust, and it all starts here, with our safe authentication process.

LIVE TRACKING

- **ETA Notifications:** Receive estimated time of arrival notifications to plan your schedule effectively.
- **Journey History:** Access a record of your past trips for reference and convenience.
- **Powered by Microsoft Bing APIs:** Our live tracking relies on the robust capabilities of Microsoft Bing APIs.
- **Seamless Integration:** Microsoft Bing APIs seamlessly integrate into our app, providing accurate location data and mapping services.



Trusted Contacts

- Users can designate trusted contacts within the app, typically friends or family members who they want to keep informed about their trips.
- Whenever a user starts a carpooling trip, the app automatically sends trip details, including the Allies information, to the user's trusted contacts.
- Trusted contacts serve as a safety net. In case of an emergency or any concerning situation during the trip, these contacts are promptly informed with essential trip information.
- Users have full control over their trusted contacts and can add, edit, or remove them as needed, allowing for flexibility and privacy.

Tech Stack



Front-End

- Flutter
- Dart
- Android Studio

API

- Maps SDK for Android
- Maps SDK for IOS
- Maps JavaScript API
- Places API
- Directions API
- Google Distance Matrix API



Back-End

- Firebase
- S3(Simple Storage Service Bucket)
- Gradle
- Google Cloud Platform(GCP)



Future Enhancements

- **Smart Commute Planning:** Develop AI-driven commute planning that considers traffic, weather, and user preferences to recommend optimal routes and travel times.
- **Accessibility Features:** Ensure the app is accessible to users with disabilities by incorporating features like voice-activated controls, screen readers, and accessible user interfaces.



THANK
YOU