CABEE Project Proposal

PROPOSED BY

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PROJECT PROPOSAL

ABOUT CABEE

CABEE is a peer to peer ridesharing mobile application for users in North Cyprus. Its front end is developed using Google Flutter and Firebase as the backend. It also heavily relies on Google GeoLocation and Place API. The platform has 2 interfaces, the rider and driver app. When a user requests a ride, a notification pops up on the app of the driver in closest proximity to the request location. The app then computes the estimated time of arrival of the driver and displays it to the rider including the live location of the driver. Upon arriving at the destination, the app computes the cost of the ride based on the distance covered, a minimum ride charge and minutes in the car. Anyone with a car can sign up as a driver on the app and begin receiving ride requests.

BACKGROUND

The project was inspired by personal difficulty travelling and navigating the island particularly after the shutdown of the public transport industry during the COVID19 pandemic. I wanted to harness my education in software engineering to build a product that reflects a challenge of our time and CABEE stood out to me as the most relevant problem to solve.

RIDERS APP

- Sign up / Login
- Booking Interface
- Price calculation algorithm
- Payment gateway
- Tracking API
- Push Notifications

DRIVERS APP

- Sign up / Login
- Booking Interface
- Estimated Time of Arrival Algorithm
- Payment gateway
- Push notifications

01 DESIGN
This stage involved designing the platform features

02 CODING
Once design is finalized, I will begin coding the platform

03 DEBUGGING
After coding completion, I will begin debugging errors and iterating

04 LAUNCH
As soon as the platform is rid of major bugs and ready for use, I intend to launch