Beta Presentation
Crowd-Sourced EV Emergency Recharge
The Capstone Experience

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Project Overview

• Mobile application aiming to assist electric vehicle owners when they run out of charge
• Stranded drivers can submit a request for assistance, which will be sent to nearby users
• Users can earn money by responding to assistance requests
• The goal of the app is to bring peace of mind to owners of electric vehicles
System Architecture

Application Back End
- Android
- Java
- iOS
- Swift

Application Front End
- React Native
- JS

Cloud Components
- Firebase Cloud Functions
- Firebase Cloud Messaging
- Firebase Authentication
- Firestore
- Firebase Realtime Database

User
Help Request Dashboard

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Submit a Request

![Image showing the mobile application for submitting a request. The screen shows options to select a vehicle, destination, and confirm locations.]
Offer Assistance
Map View
What’s left to do?

• Features
  ▪ Integrate calling feature with iOS

• Stretch Goals
  ▪ Implement Stripe transactions

• Other Tasks
  ▪ Add vehicle pictures to the database
  ▪ Fix bugs and UI glitches
  ▪ Improve app performance and security
  ▪ Adjust annotations on the map screen
Questions?