Alpha 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
Help Center

Request Assistance

Open assistance requests in your area:

Samantha
6 miles away
Needs 12% charge to reach their destination

Jacob
10 miles away
Needs 24% charge to reach their destination

Trevor
13 miles away
Needs 7% charge to reach their destination

Rachel
17 miles away
Needs 13% charge to reach their destination
Submit a Request

Select your destination:
2721 Hannah Boulevard, East Lansing, Michigan 48823

Confirm your current location:
29507 Maystead Road, Burr Oak, Michigan 49030, United States

Select your current vehicle:
2021 Mustang Mach E

Select your destination:
2721 Hannah Boulevard, East Lansing, Michigan 48823

Confirm your current location:
Locating...

Select your current vehicle:
2021 Mustang Mach E
Offer Assistance

Samantha is requesting assistance

Samantha is driving a 2021 Mustang Mach-E and needs 12% charge to reach their destination.

Select your vehicle:

2021 Escape SE Hybrid 87%
Estimated charge duration: 20m
Estimated charge after providing assistance: 70%

Enter an amount to charge:

$ 50

Offer Assistance

Cancel

Samantha is requesting assistance

Samantha is driving a 2021 Mustang Mach-E and needs 12% charge to reach their destination.

Select your vehicle:

2021 Escape SE Hybrid 87%
Estimated charge duration: 20m
Estimated charge after providing assistance: 70%

Enter an amount to charge:

$ 50

Offer Assistance

Cancel
Map View
What’s left to do?

- Implement chat feature
- Implement call feature
- Populate UI using database
- Connect features together
- Pass data between screens
- Implement transaction abilities
Questions?