Beta Presentation
VW Car-Net Electric Vehicle Route Planner
The Capstone Experience
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Fall 2020
Project Overview

• Android application designed to educate the consumer on the usability of electric vehicles in everyday life.

• Used by customers in VW Dealerships.

• By using the app, users will see:
  ▪ Cost/Time comparisons between electric and gas cars.
  ▪ Route differences between electric and gas cars.
  ▪ How route conditions impact the ID4.
System Architecture

Development Environment

- Android Studio
- Android SDK
- Kotlin
- XML

Application

Google Play

Google API's
- Elevation
- Places
- Directions
- Maps

Other API's
- EV Charging Stations
- Open Weather

Cloud Services

User
Route With No Charge Needed
Route With Recharging
View of Conditions Sliders
View of Display All Chargers Function
What’s left to do?

• Final UI/UX polishing
• Documentation for Volkswagen
• Final Round of User Testing
Questions?