Beta Presentation
VW Car-Net EV Match Based Technology

The Capstone Experience

Team Volkswagen

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Project Overview

- Volkswagen plans to lead the market in electric vehicle sales in the future
- Need a way to steer drivers away from common misconceptions
- Match drivers to a suitable electric vehicle
- Increase the sale of electric vehicles
System Architecture

Diagram:
- Algorithm Data Structure
  - Matched EV and Matching Analysis
  - API Backend
    - Driver Information
    - User Login
  - Database Query For Driver’s Trip Statistics
    - Driver’s Trip Statistics
    - Trip Statistics and Vehicle Info
  - AWS
  - MySQL
- Flask
- Frontend
  - Matched EV and Visual Matching Analysis
  - User
Matching Algorithm Page
Matching Algorithm Page IOS

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Matching Algorithm Page Android
Add Vehicle Page
What’s left to do?

• Stretch Goals
  ▪ Refine sorting algorithm
  ▪ Refine user interface

• Other Tasks
  ▪ Make application an executable
  ▪ Add input validation and error handling
Questions?