

MICHIGAN STATE

UNIVERSITY

Beta Presentation

VW Car-Net EV Match Based Technology

The Capstone Experience

Team Volkswagen

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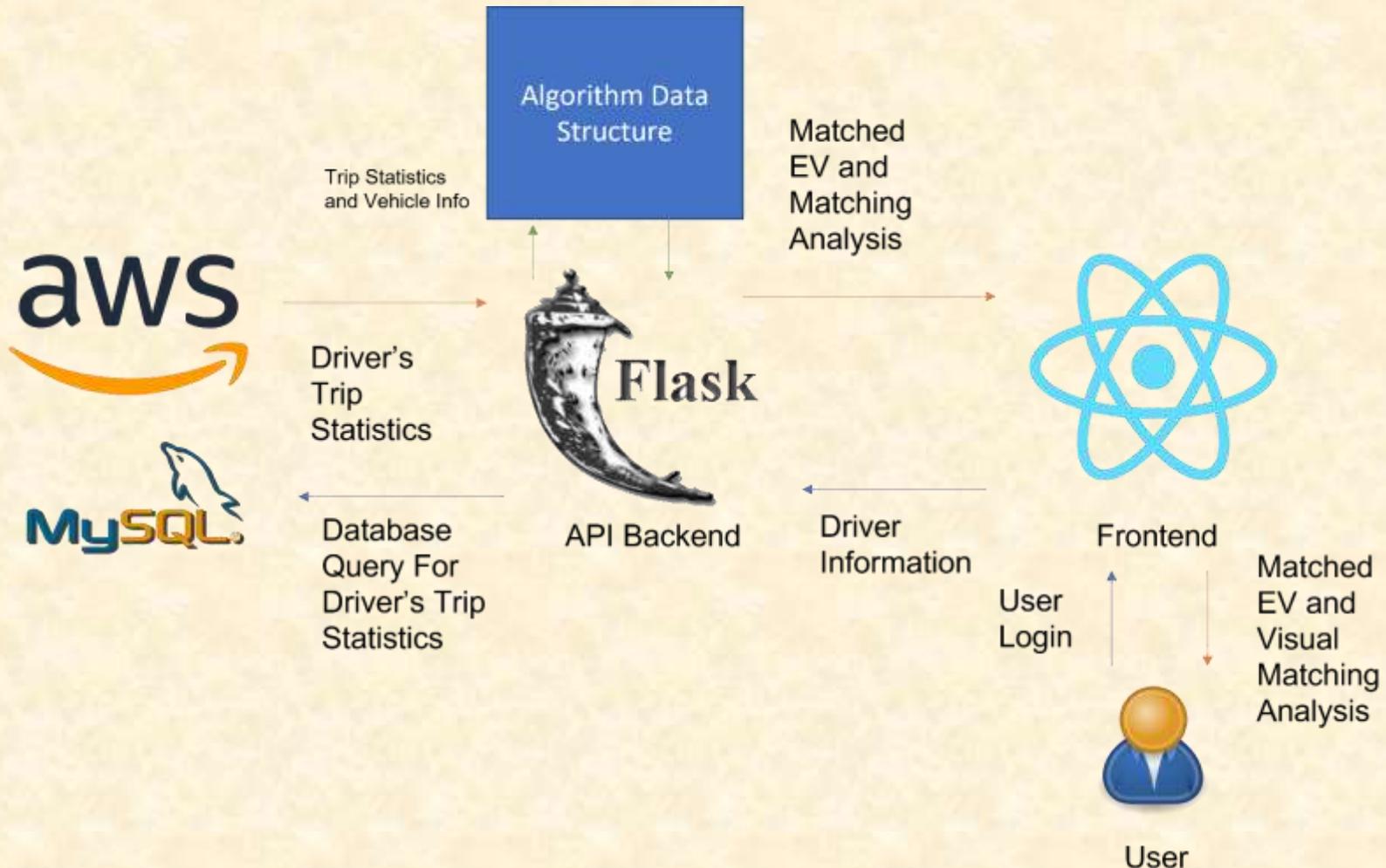
*From Students...
...to Professionals*

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



Matching Algorithm Page

Distance Range: 275.00 mi - 372.00 mi
Average Distance: 323.98 mi
324
Distance Classification: above average

Temperature Range: 39.00°F - 54.00°F
Average Temperature: 46.41°F
87
Temperature Classification: below average

Average Elevation Change: 58.67' ft
1376
Terrain Classification: below average

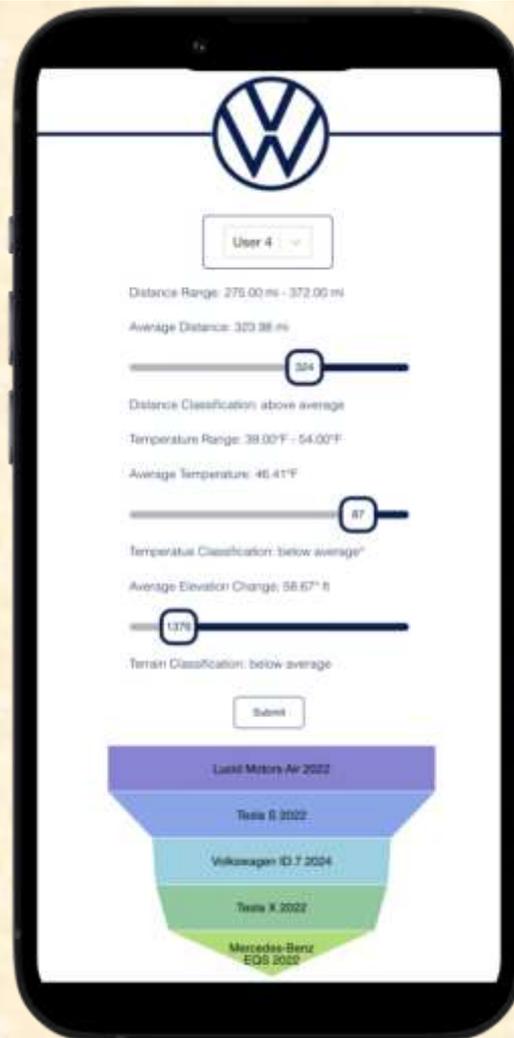
Submit

Open Match Car Details

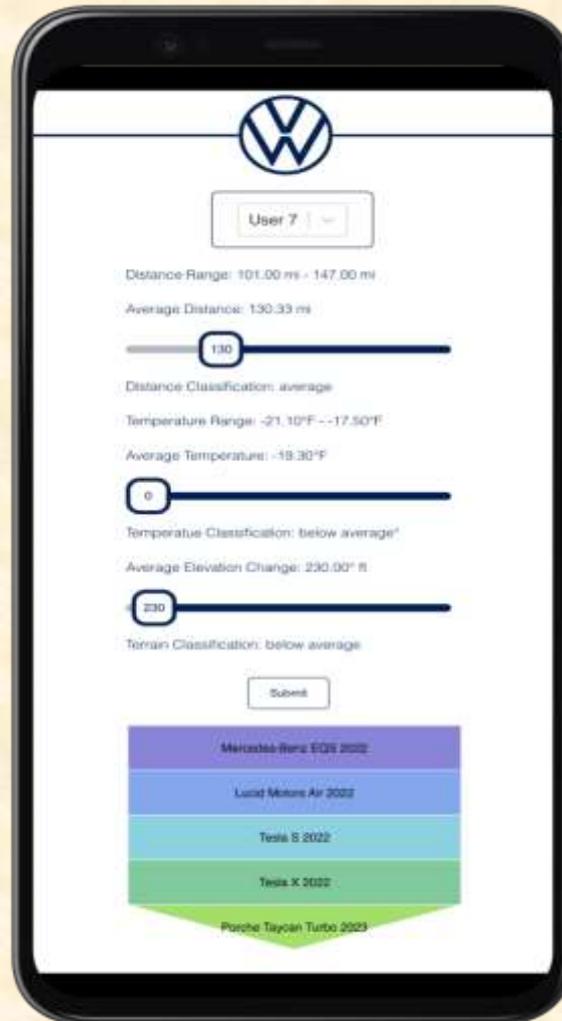
- Lucid Motors Air 2022
- Tesla S 2022
- Volkswagen ID.7 2024
- Tesla X 2022
- Mercedes-Benz EQS 2022



Matching Algorithm Page IOS



Matching Algorithm Page Android



Add Vehicle Page

Chrome File Edit View History Bookmarks Profiles Tab Window Help Thu Nov 10 8:47 PM

React App localhost:3000



Make

Model

Year

Range

Horsepower

Seats

Type

Select... ▾

- Volvo XC40 Recharge
- Volkswagen ID.4
- Volkswagen ID.7
- Vivaro E life**
- Volkswagen ID.Buzz
- Ford F150 Lightning
- Ford F150

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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?

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