MICHIGAN STATE
U N I V E R S I T Y

Alpha Presentation
VW Car-Net Electric Vehicle Route Planner
The Capstone Experience

Team Volkswagen

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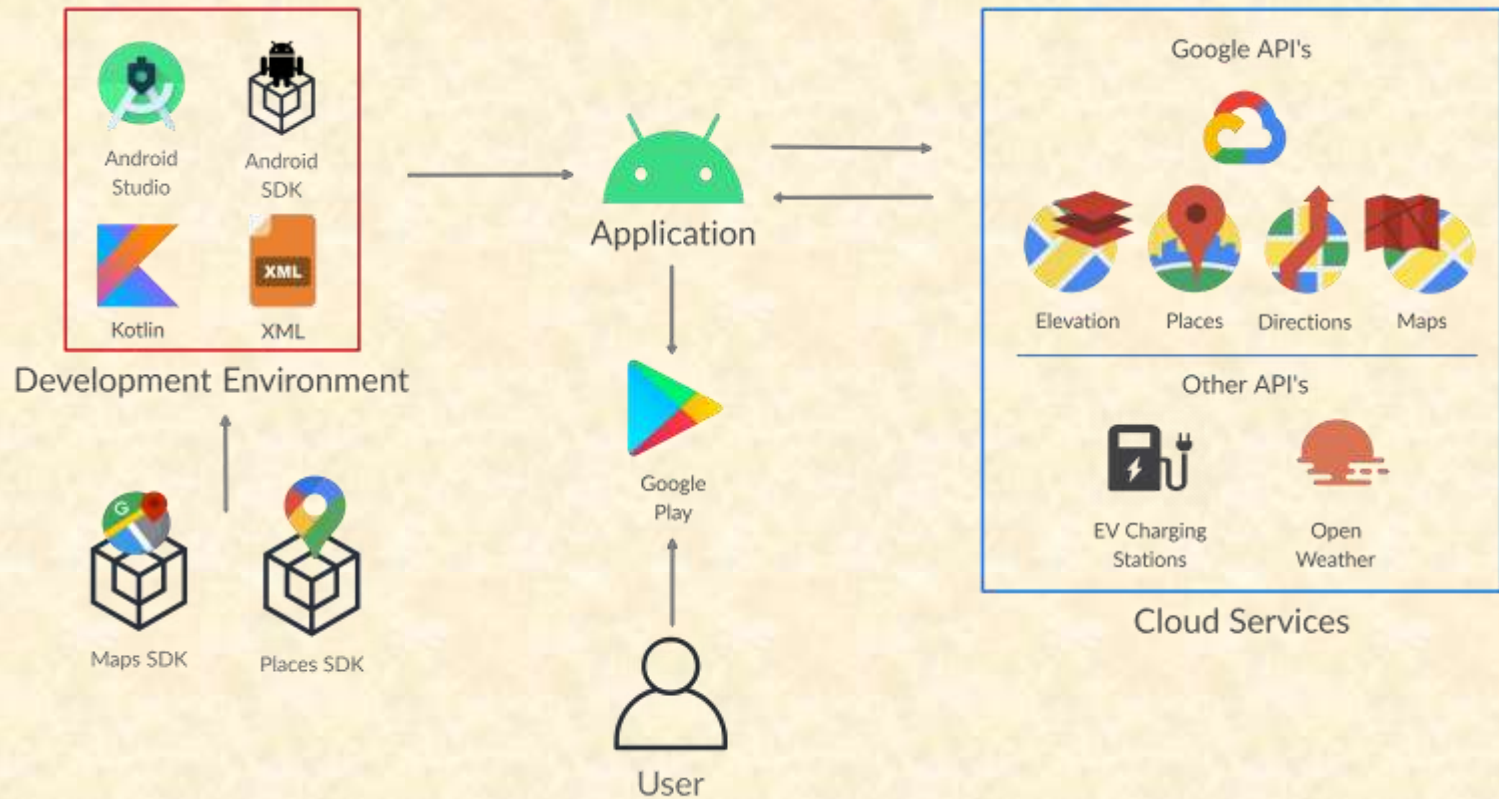Michigan State University
Fall 2020

From Students…
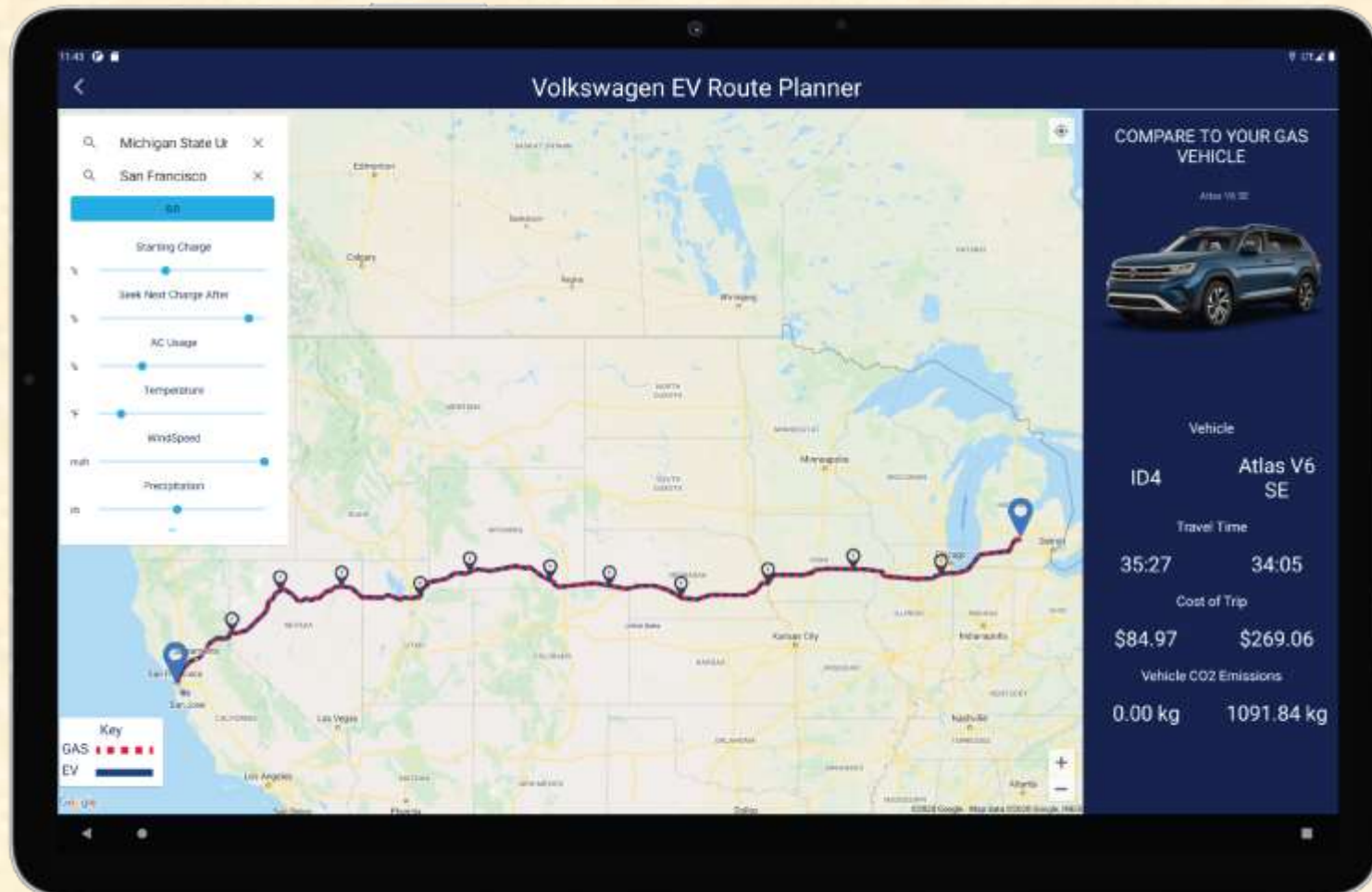*…to Professionals*

Project Overview

- Designed to educate the consumer on the usability of electric vehicles in everyday life.

- By use of this application users will see:
  - Minimal to no daily route change
  - Long range trips possible
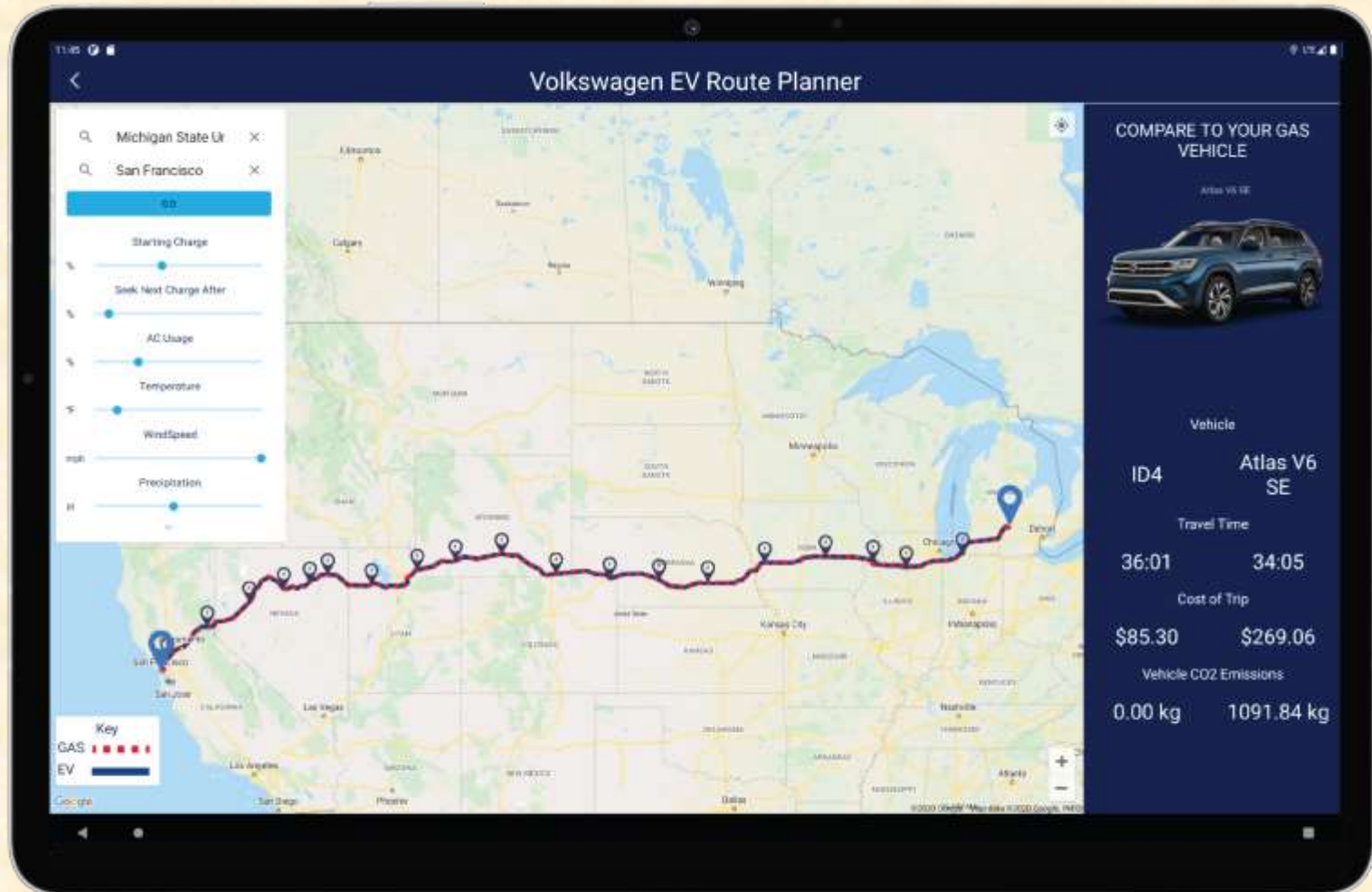 - Comparison information between EV and gas-powered vehicles

System Architecture
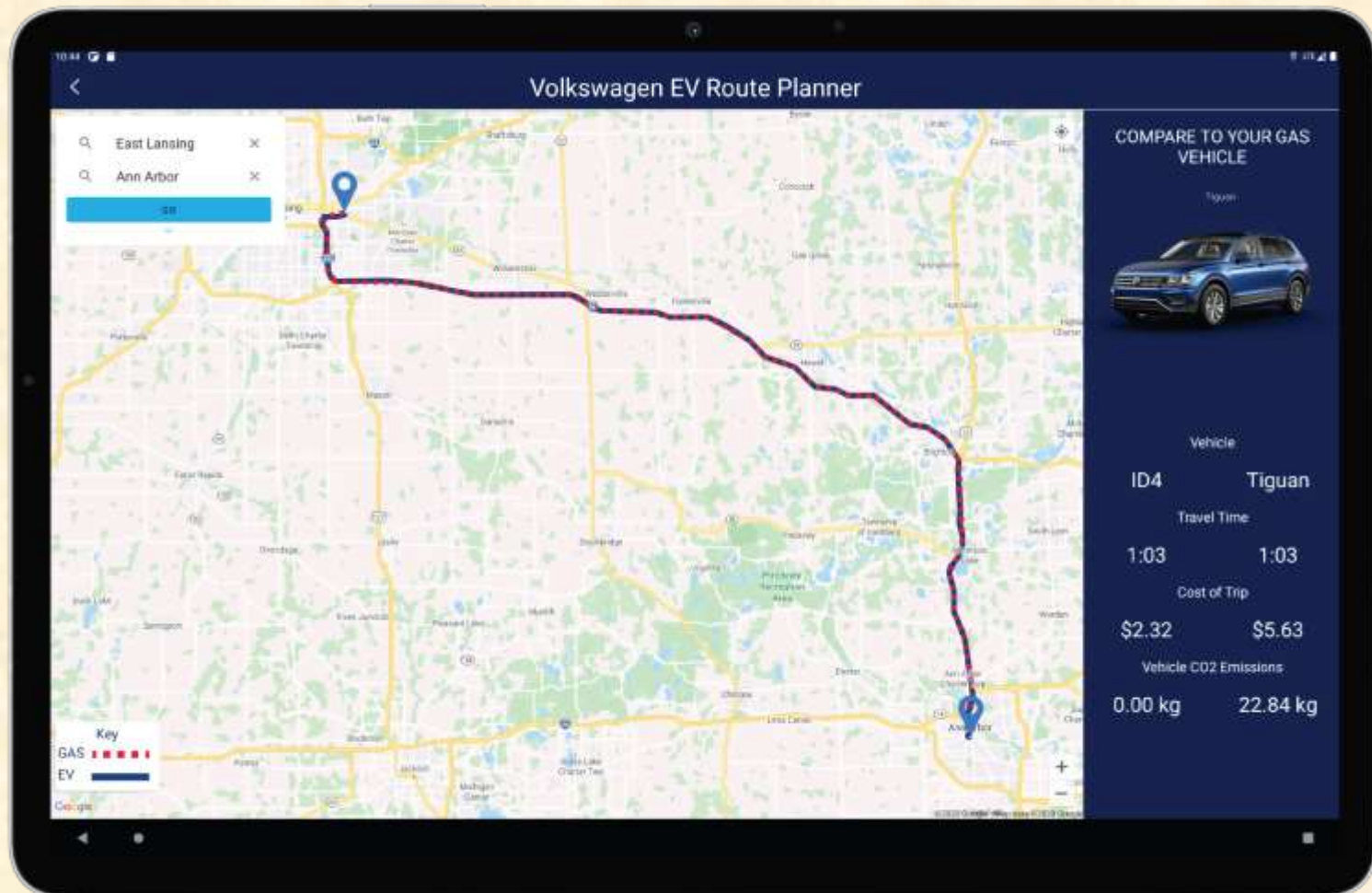
Basic Route With Recharging

Route With Different Charge Threshold

Routes Diverge to Charge

Route With No Recharge

What's left to do?

- Implement all sliders into range calculation.

- Add more information to comparison view.

- All charging stations along route functionality.

- Improve accuracy of comparison cost values.

Questions?