

**MICHIGAN STATE**  

---

**U N I V E R S I T Y**

# Alpha Presentation

## Independent Repair Facilities Insights

### The Capstone Experience

Team Urban Science

Victoria Cao  
Gyungrok Lee  
Juston Ko  
Zhi Li

Department of Computer Science and Engineering  
Michigan State University

Fall 2021



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

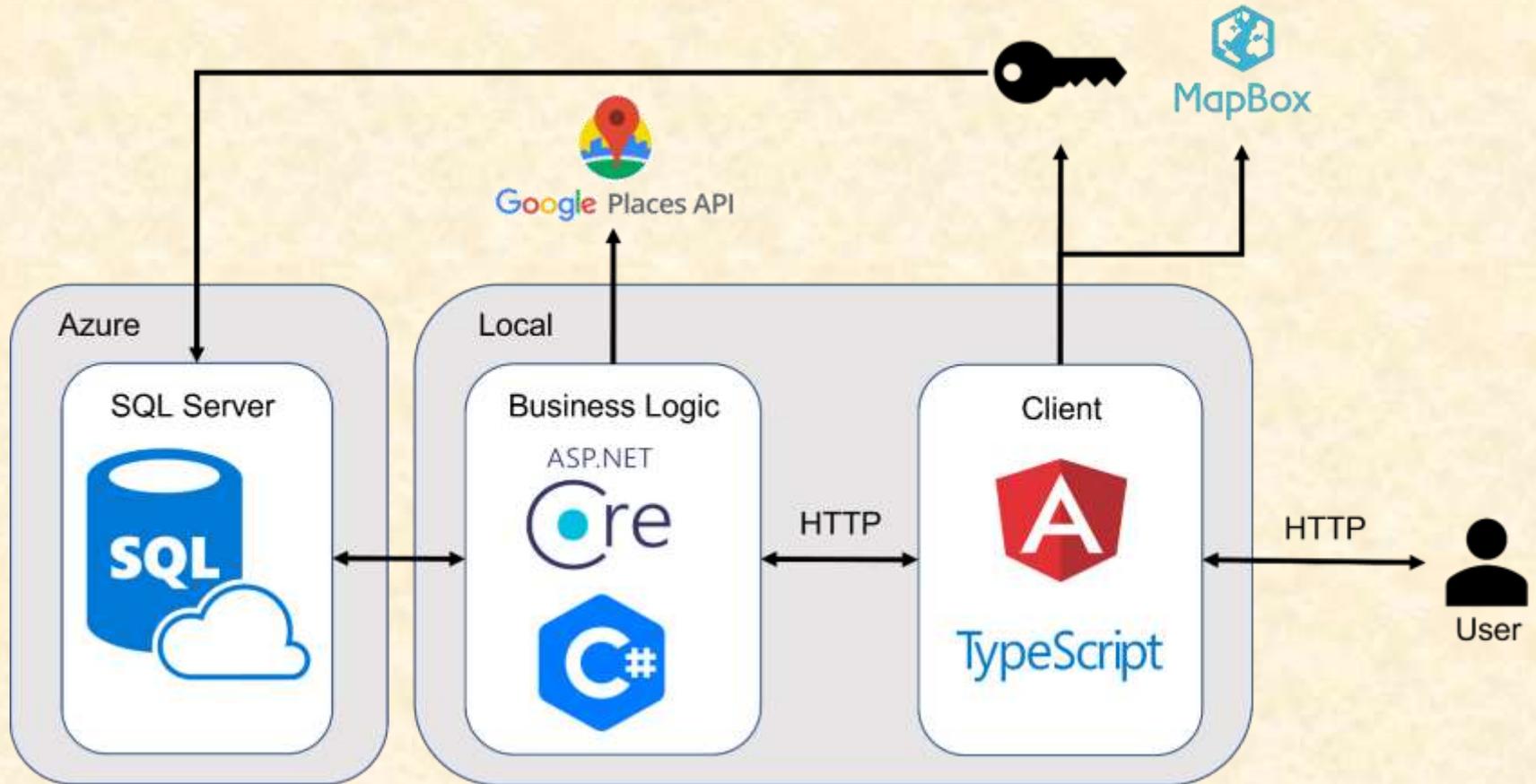
# Project Overview

---

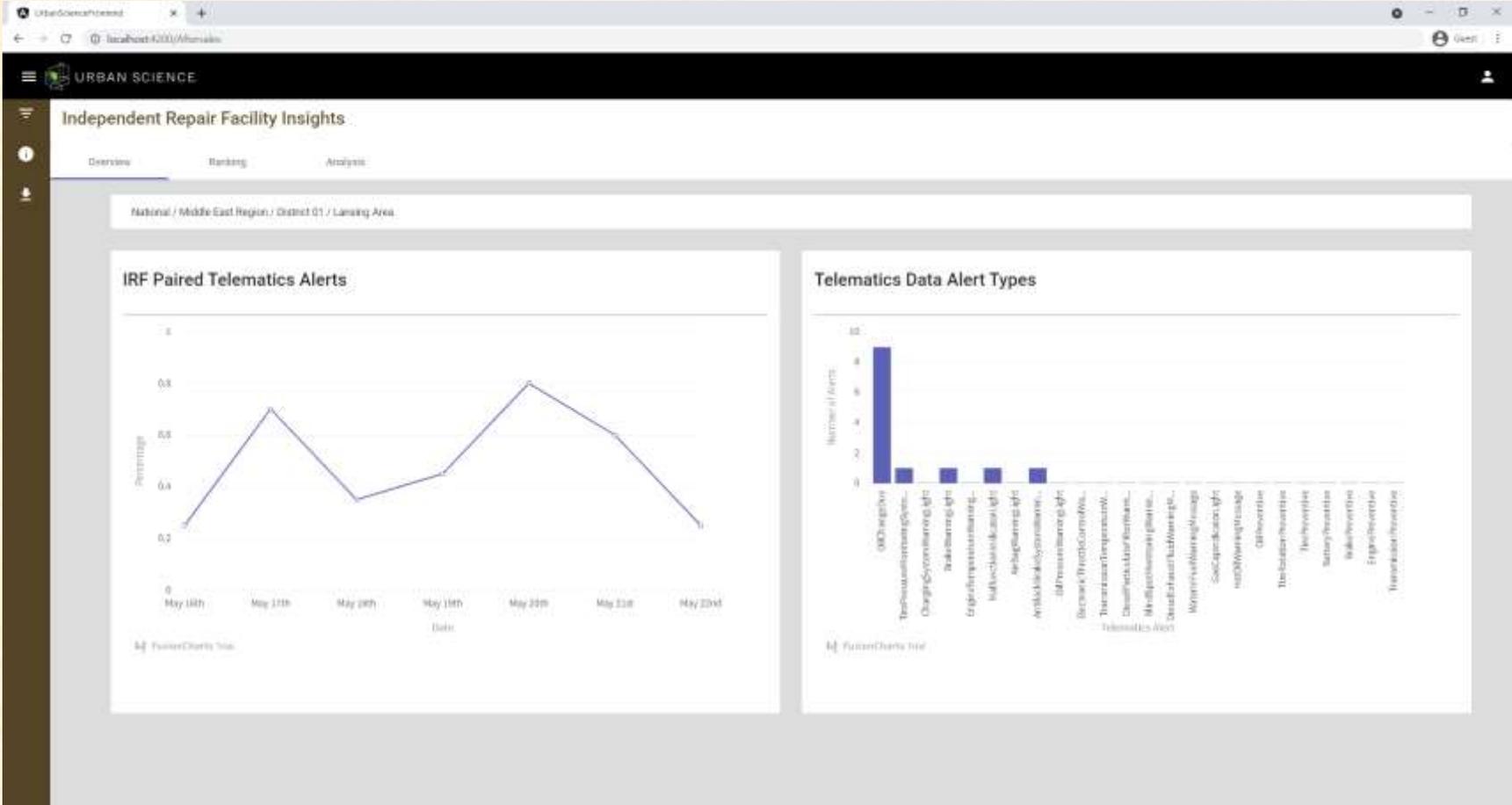
- Urban Science is a data-driven company that provides insights and solutions for the Automotive Industry
- Independent Repair Facilities (IRFs) dominate After-sales sector
- Our web application provides insights and solutions to dealers and field staff on IRFs



# System Architecture



# Aftersales Landing Page



# Rankings and Map Page

Urban Science

## Independent Repair Facility Insights

Overview **Ranking** Analysis

National / Middle East Region / District Q1 / Lansing Area

### Rankings

Oil Change Break Maintenance Other

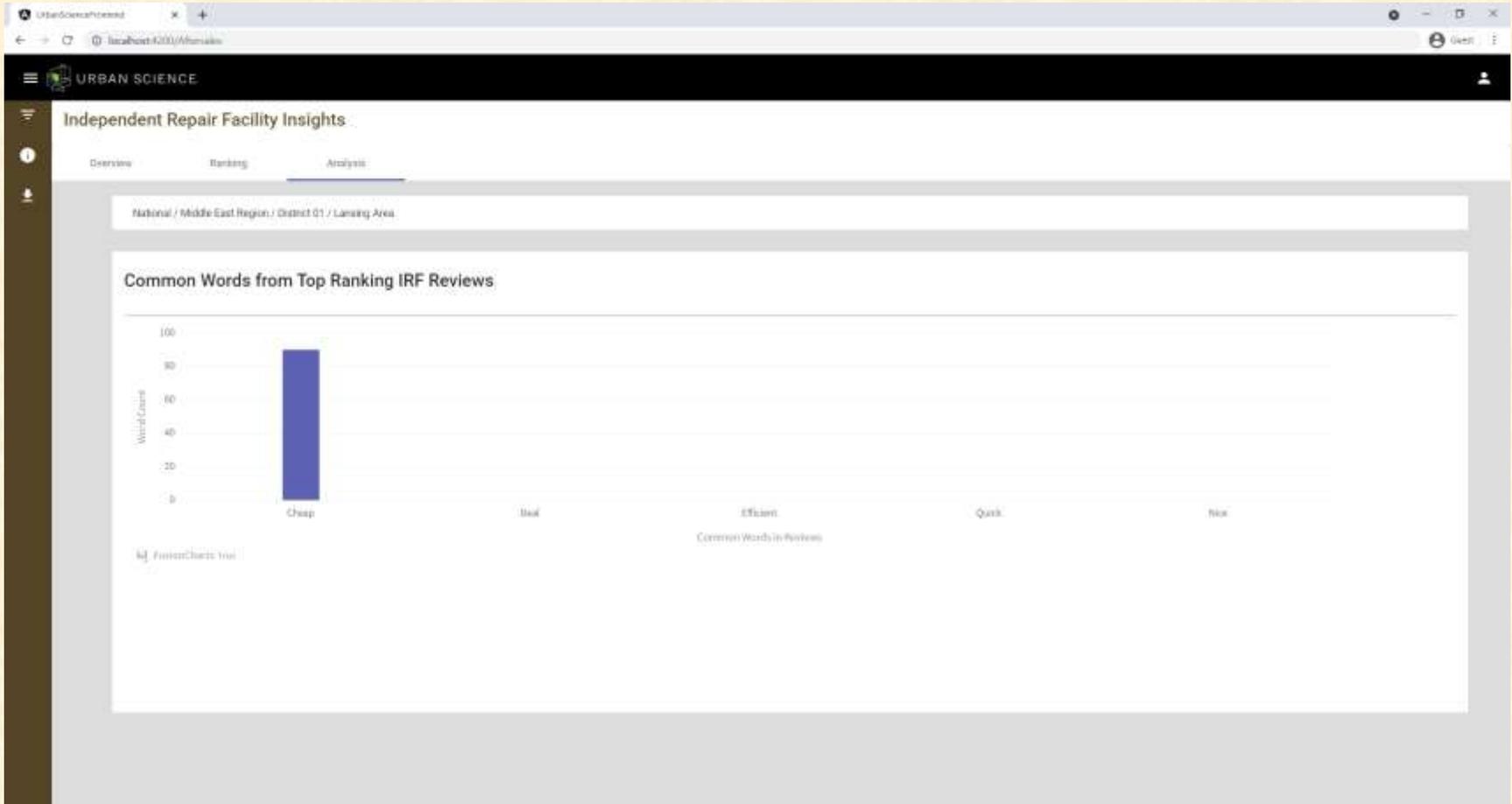
1. Michael's Oil Change  
★★★★ (42 reviews)
2. Jiffy Lube of Busch Hills  
★★★★ (27 reviews)
3. Quick Lube of Rollingwood  
★★★★ (20 reviews)
4. Midas of Busch Hills  
★★★★ (21 reviews)
5. Oil Express  
★★★★ (20 reviews)

### Map

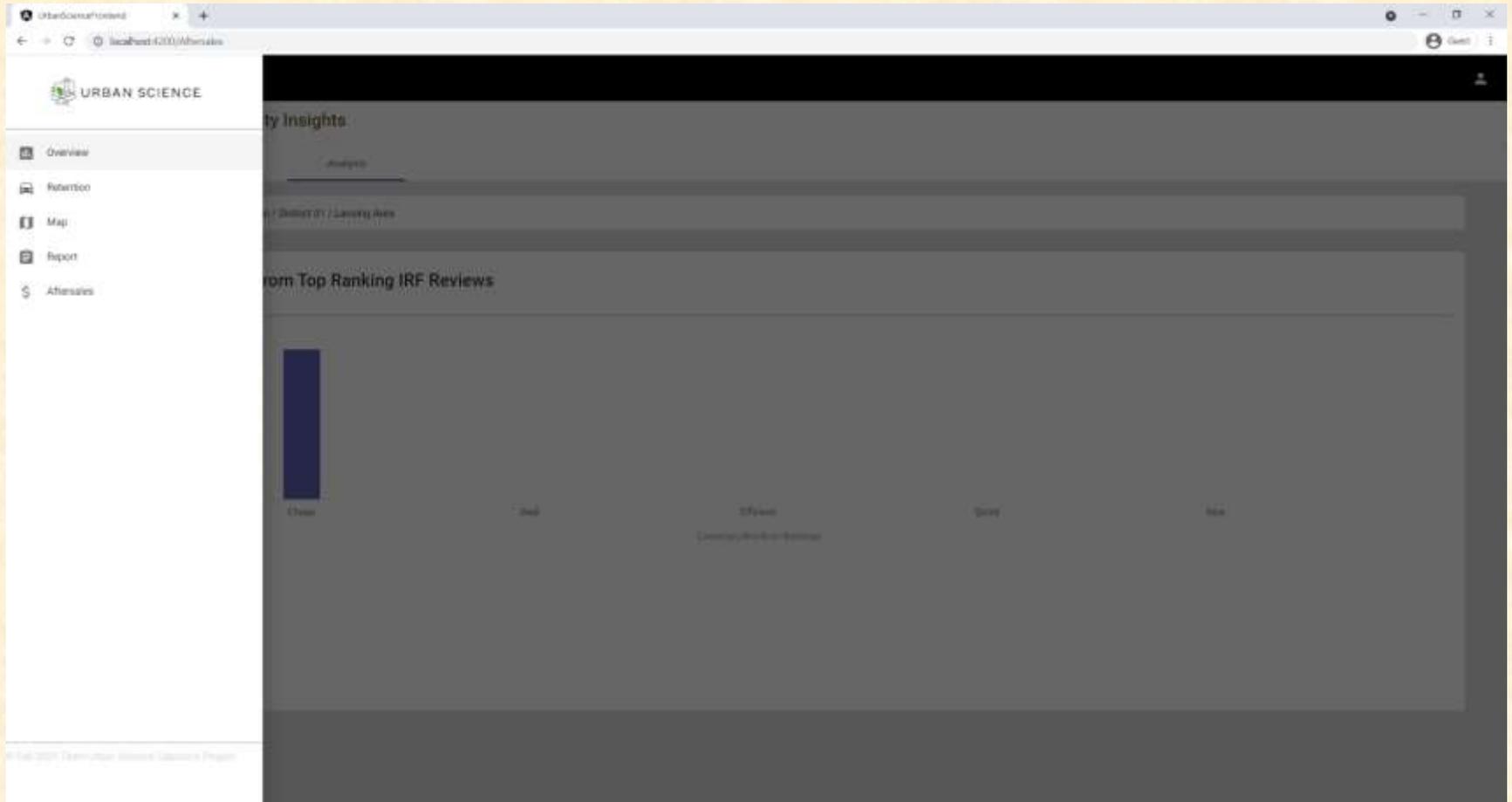
Map of Lansing area showing various locations and roads.



# Dealership Analysis Page



# Expanded Tabs Page



# What's left to do?

---

- Front End
  - Implement functionality of the header and sidebar of the website
  - Improve the design of different tabs on the website
  - Connect more APIs
- Back End
  - Create more APIs for front-end graphs
  - Implement different analysis models



# Questions?

---

?

?

?

?

?

?

?

?

?

