

MICHIGAN STATE

UNIVERSITY

Beta Presentation

Independent Repair Facility Insights

The Capstone Experience

Team Urban Science

Victoria Cao

Zhi Li

Juston Ko

Gyungrok Lee

Department of Computer Science and Engineering

Michigan State University

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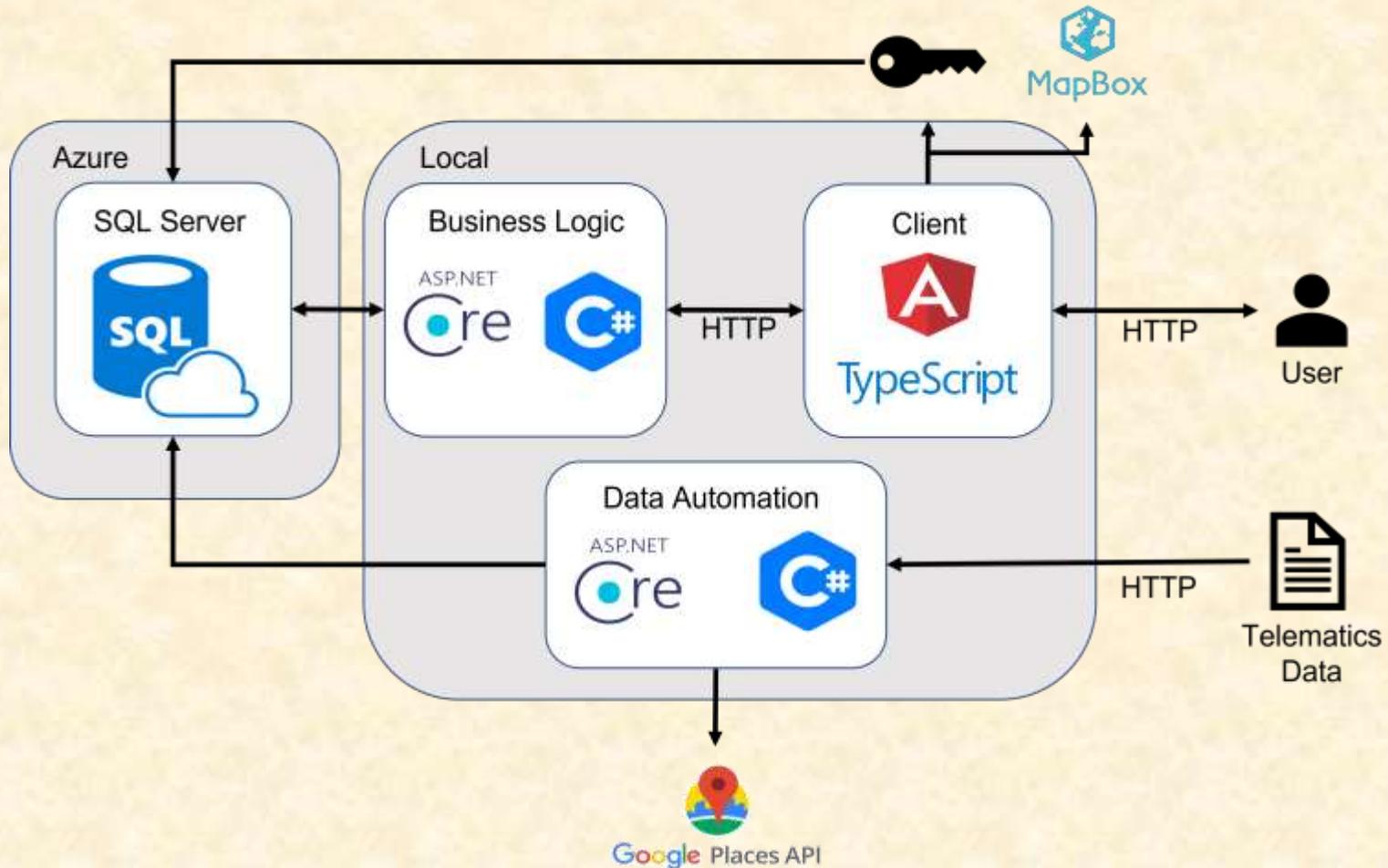
*From Students...
...to Professionals*

Project Overview

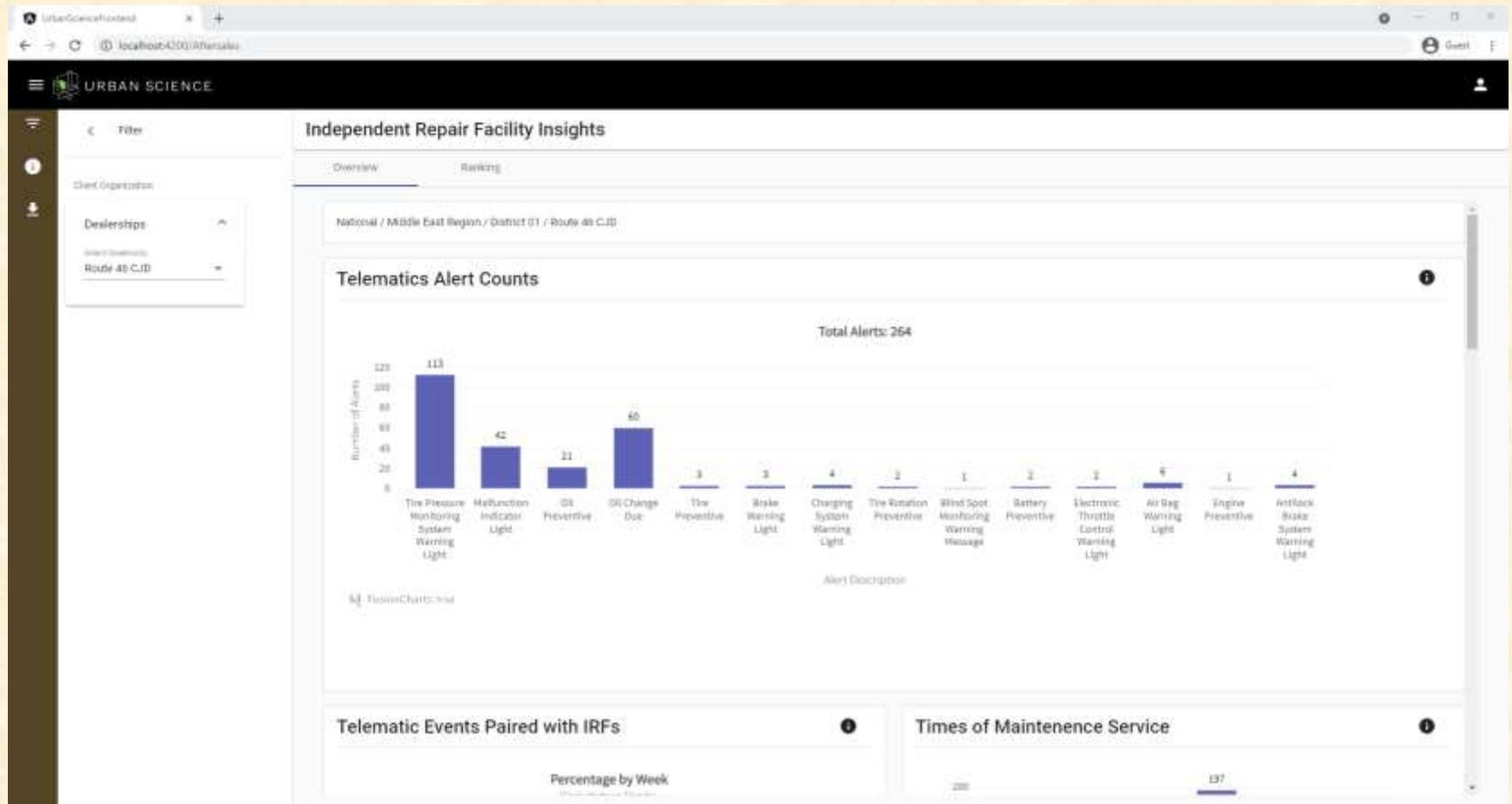
- Urban Science is a data-driven company that provides insights and solutions for the Automotive Industry
- Independent Repair Facilities (IRFs) dominate After-sales sector
- Automation API ingests telematic events to formulate analysis on IRFs
- Our web application provides insights and solutions to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



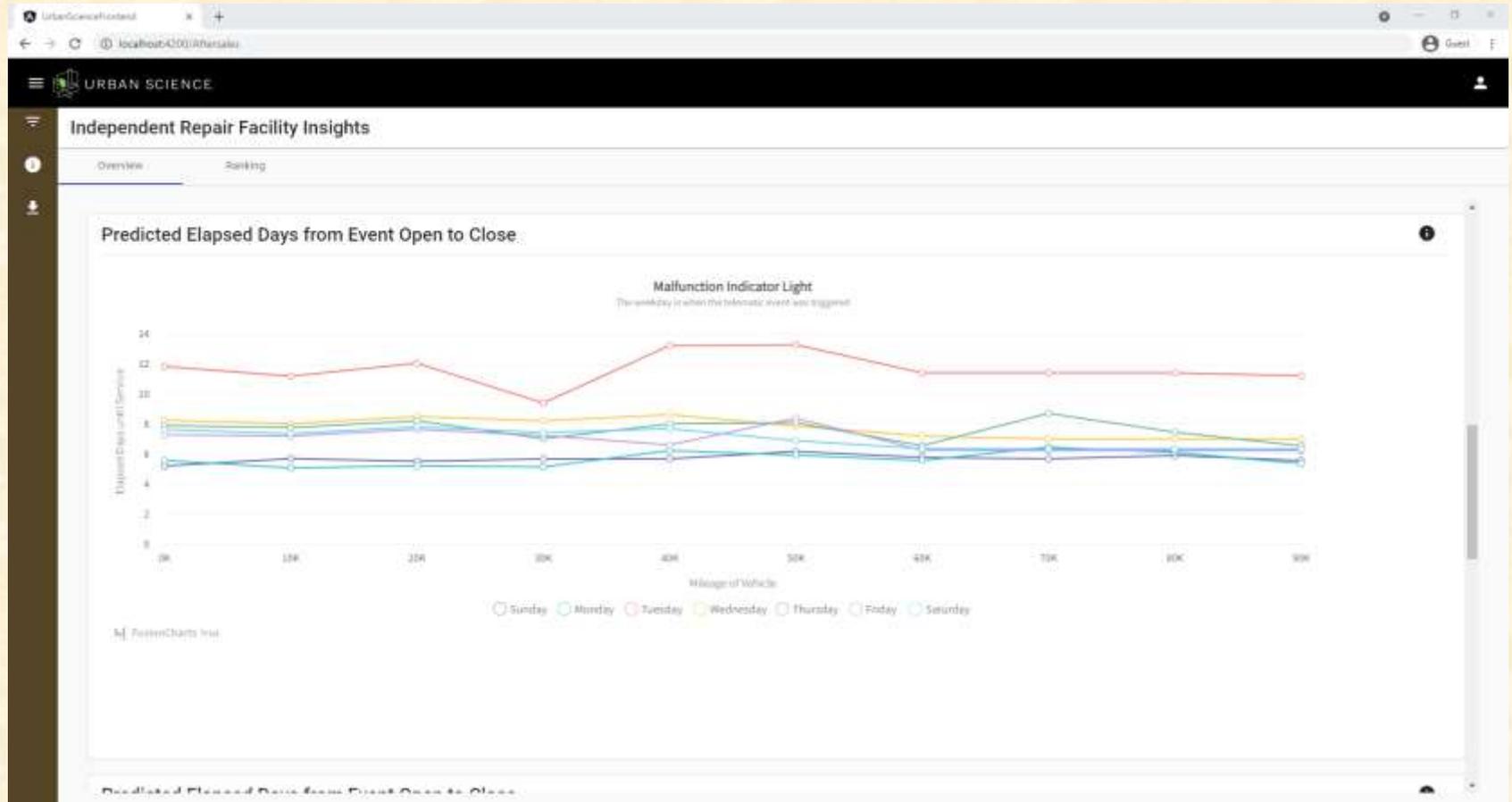
System Architecture



Overview Page and Filter



Overview Analysis Graphs



Rankings Page

The screenshot displays the 'Independent Repair Facility Insights' page on the Urban Science platform. The page is divided into two main sections: a list of ranked facilities and a map.

Rankings Section:

Facility Name	Alert Count
Bob's 10Th Avenue Servicenter	11
Midas	8
Dylag Motor Sport	7
Pilkington Automotive	5
United Motors Cars LLC	5
Wilson Auto Body	5

Map Section:

The map shows a location in the Midas area. A pop-up window provides details for a facility:

- Address: 455 US Highway 40 De S
- Facility Type: Oil & Lube
- Service: Oil/Change, Repair/Brake Service



Ranking IRF More Details

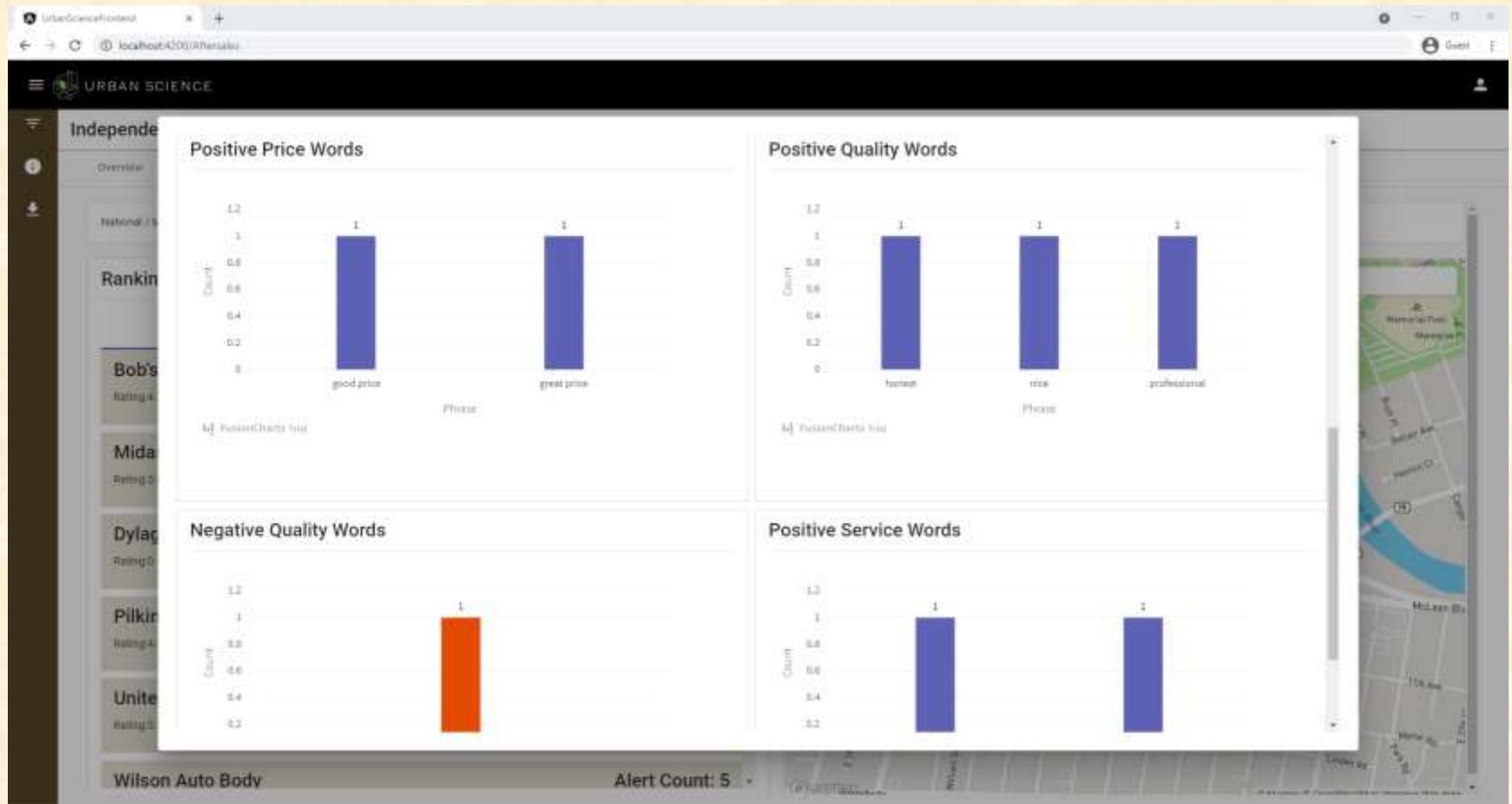
The screenshot shows a web browser displaying a business listing for 'Midas' on the 'Urban Science' platform. The listing is presented in a modal window over a map background. The details provided are:

- Name:** Midas
- Address:** 465 US-46 west, Totowa, NJ 07512, USA
- Description:**
 - Rating: 3.5 (149 reviews)
 - Contact info: 6792267848
 - Number of Employees: 8
 - Distance To Local Dealership: 1 Miles
- Hours:** Not Available
- Tags:** Oil & Lube Service/General Repair/Brake Service
- Reviews:**
 - 6 months ago Rating: 5 ★★★★★**
Since I work in the area, I pass this establishment daily. I was having an issue with my brakes and couldn't put it off any longer. With COVID, the way companies work has changed so I took a chance and called. I spoke to Sam and he was very nice. I was concerned with it being Easter weekend that I would not be able to get my brakes done the same day but I brought my car in at 12:30 on Saturday and by 3pm my car was finished! Wonderful experience, great professionalism and good work. He delivered what he promised and gave me a good price. I feel very confident in his and his teams work and would not hesitate to bring my car to him again in the future. Thank you!!!
 - 4 months ago Rating: 1 ★☆☆☆☆**
Rude dude. Wanted no business helping me.
 - 6 months ago Rating: 5 ★★★★★**
These guys are always good to me. They are straight forward and honest in all of my dealings with them over the last 10 years. They are always my first choice when something goes wrong with my car, especially my tires which seem to flat every fall or blow left on the road in winter.

At the bottom of the modal, it shows 'Wilson Auto Body' and an 'Alert Count: 5'. The background map shows a street grid with labels like 'McLean Blvd' and '15th Ave'.



Ranking IRF More Details Graphs



What's left to do?

- Features
- Stretch Goals
 - Fixing minor issues with exporting information in PDF files need to be done
 - Exporting information in csv files need to be finish
- Other Tasks
 - Finalizing formatting of graphs on overview tab
 - Finalizing formatting of Information pop up



Questions?

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