

MICHIGAN STATE  

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UNIVERSITY

# Beta Presentation

## VIN-Verse

The Capstone Experience

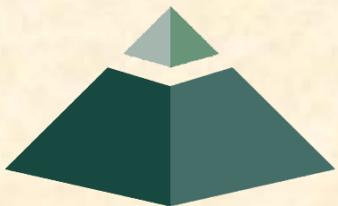
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*From Students...  
...to Professionals*

Department of Computer Science and Engineering  
Michigan State University

Fall 2018

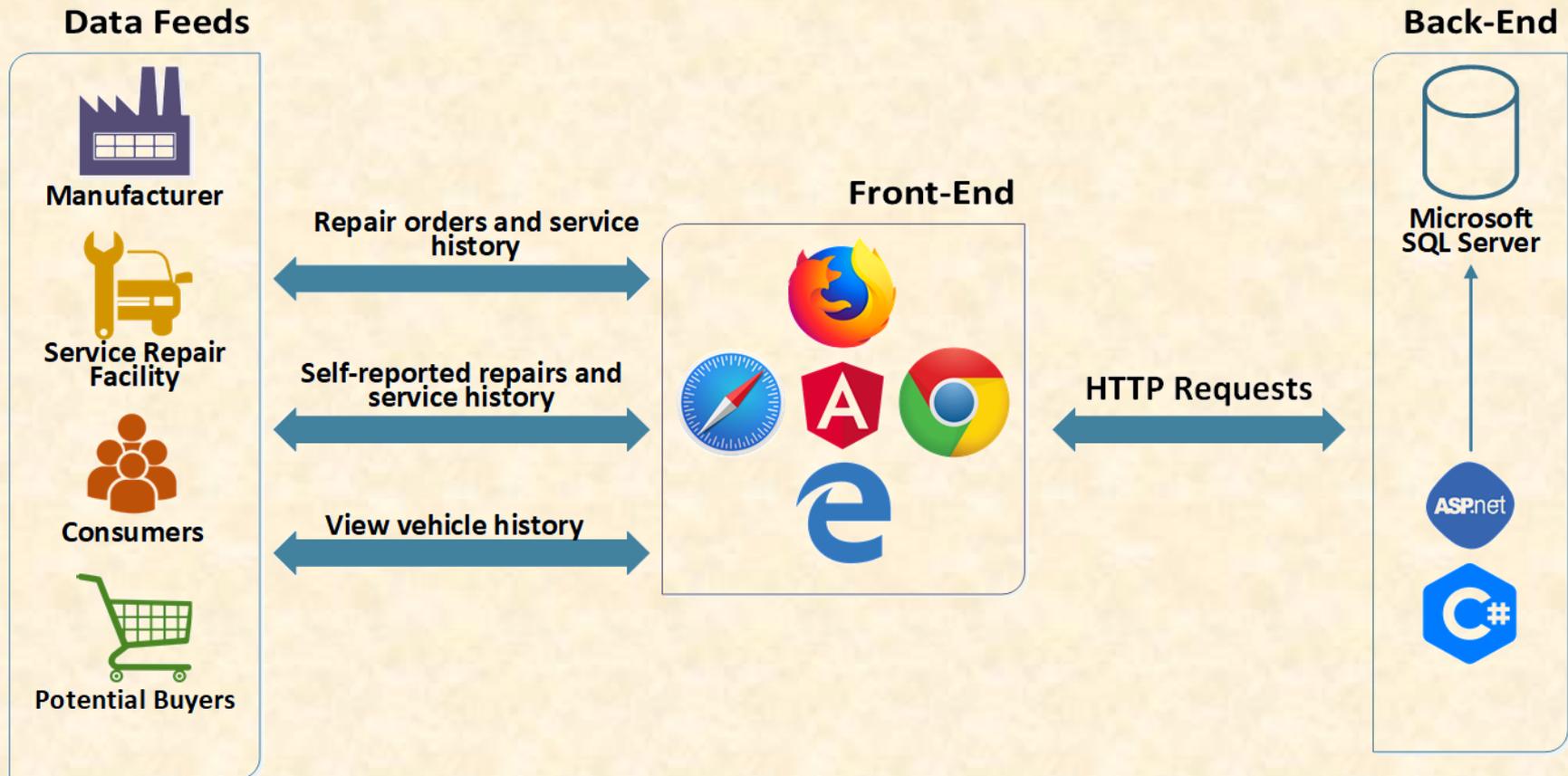
# Project Overview

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- A digital platform for owners, servicers, and manufacturers to streamline vehicle history management
- Allows owners to manage who can view their vehicle's history
- Display analytics on aggregated vehicle service records



# System Architecture



# Vehicle Information

The screenshot shows a web browser window with the address bar displaying `35.9.22.104/App/vin-info/1FDWF37585EA89821`. The page title is "VIN-Verse". A dark sidebar on the left contains the following menu items: "My Vehicles", "Submit Repair", "Register Vehicle", "Search for Vehicle", "Incoming Access Requests", and "Outgoing Access Requests". The main content area features a "Back" button at the top left. Below it is the heading "Vehicle Information". To the left of the information is a photograph of a silver 2005 Ford F-350 pickup truck. To the right of the photo, the following details are listed:

- Make**: FORD
- Model**: F-350
- Year**: 2005
- VIN**: 1FDWF37585EA89821

Below the vehicle information is the heading "All Repairs", followed by a table with the following data:

Date	Repairer	Type	Part
9/20/2018	Belle Tire	Maintenance	Hub Cap
9/22/2018	Belle Tire	Maintenance	Tires



# My Vehicles

VIN-Verse x +

35.9.22.104/App/user-my-vins

My Vehicles

Submit Repair

Register Vehicle

Search for Vehicle

Incoming Access Requests

Outgoing Access Requests

## My Vehicles

FORD  
F-350, 2005

[View Info](#)

Ford  
F-150, 1997

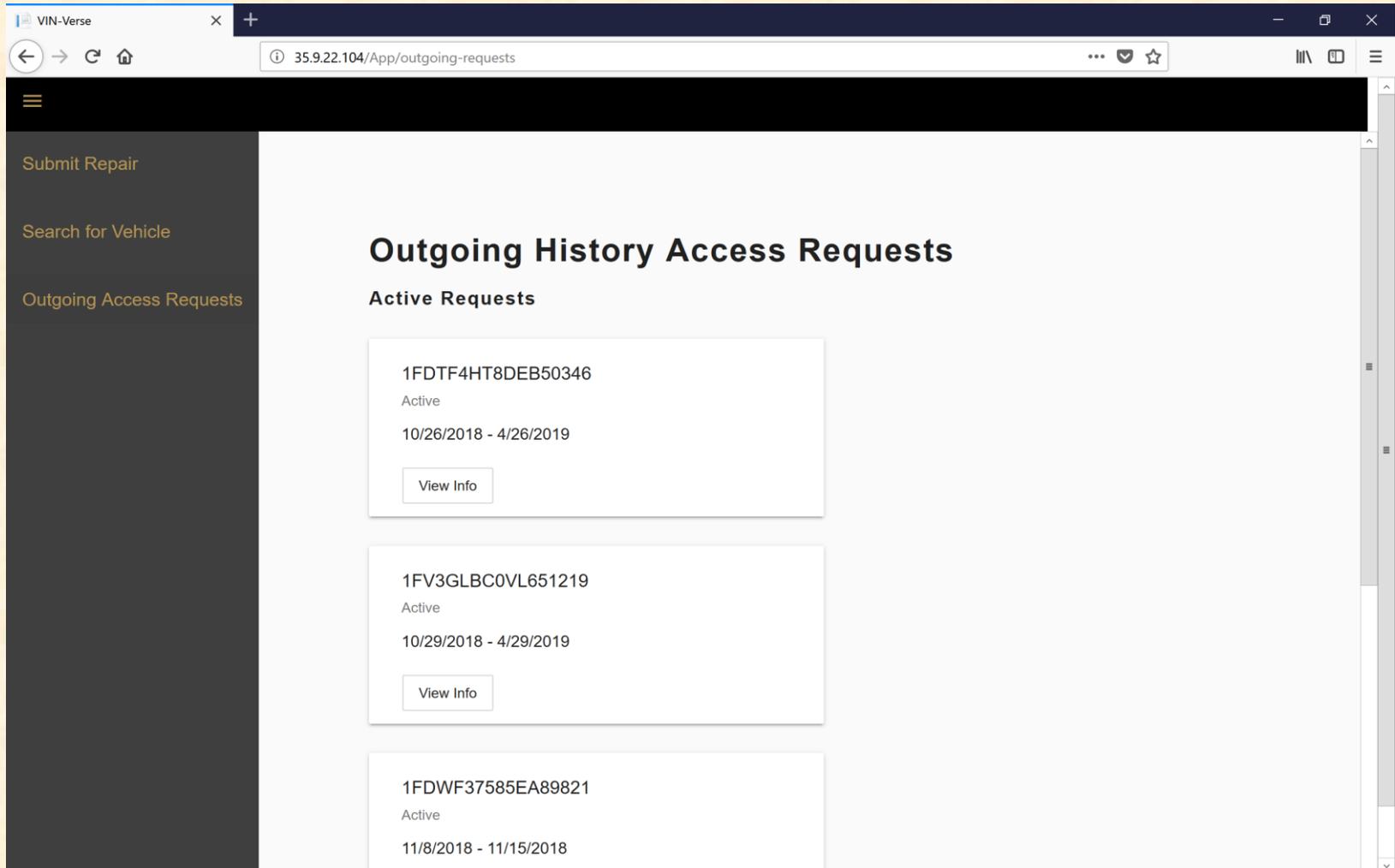
[View Info](#)

Honda  
Odyssey, 2004

[View Info](#)



# Outgoing History Access Request

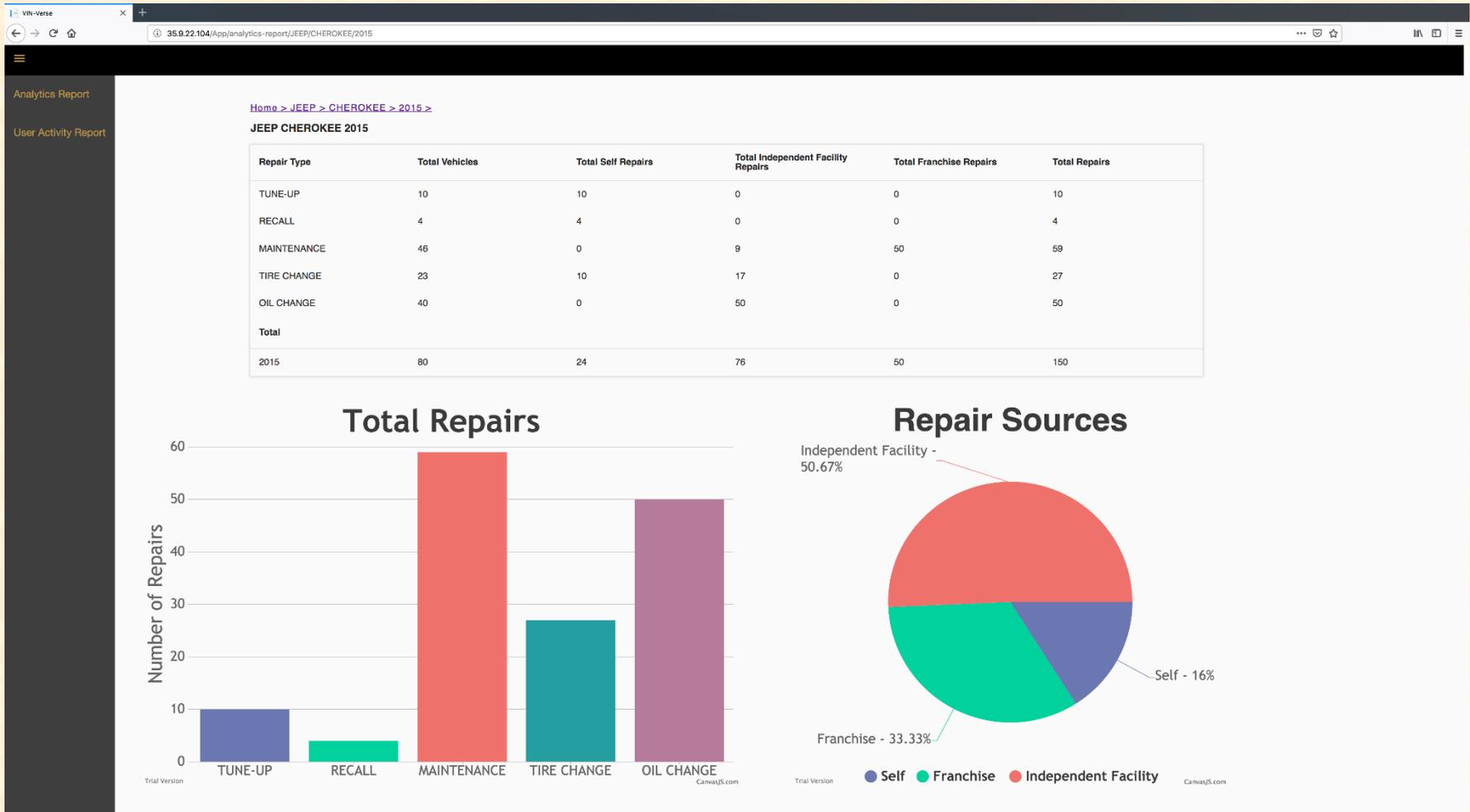


The screenshot shows a web browser window with the URL `35.9.22.104/App/outgoing-requests`. The page title is "Outgoing History Access Requests" and the sub-section is "Active Requests". A dark sidebar on the left contains navigation links: "Submit Repair", "Search for Vehicle", and "Outgoing Access Requests". The main content area displays three request cards, each with a VIN, status, date range, and a "View Info" button.

VIN	Status	Start Date	End Date	Action
1FDTF4HT8DEB50346	Active	10/26/2018	4/26/2019	<a href="#">View Info</a>
1FV3GLBC0VL651219	Active	10/29/2018	4/29/2019	<a href="#">View Info</a>
1FDWF37585EA89821	Active	11/8/2018	11/15/2018	



# Analytics Report



# What's left to do?

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- Improve mobile compatibility
  - Switch from table view to card view
  - Eliminate horizontal scrolling
- Improve readability of data reports
  - Conform to Urban Science standards
  - Add more precise metrics to analytics table



# Questions?

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