

MICHIGAN STATE

U N I V E R S I T Y

Beta Presentation

Matrix: Vehicle Simulator

The Capstone Experience

Team GM

Sam Moore
Duncan Young
Matt Wein

Department of Computer Science and Engineering
Michigan State University

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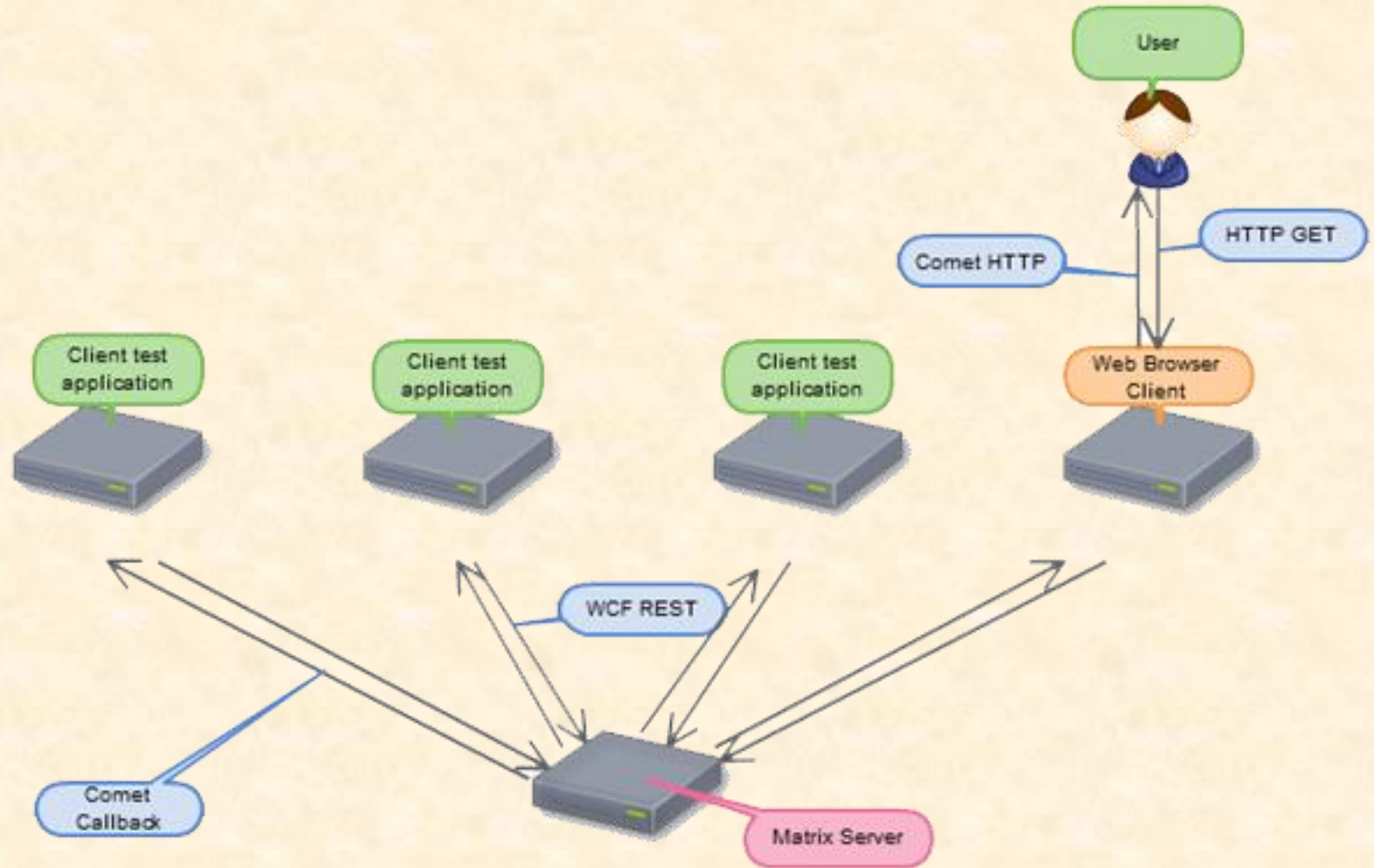
*From Students...
...to Professionals*

Project Overview

- Vehicle Simulation
- Testing Software
- Discrete Events
- Communication Framework
- GM: 4G availability...



System Architecture



Viewing each vehicle

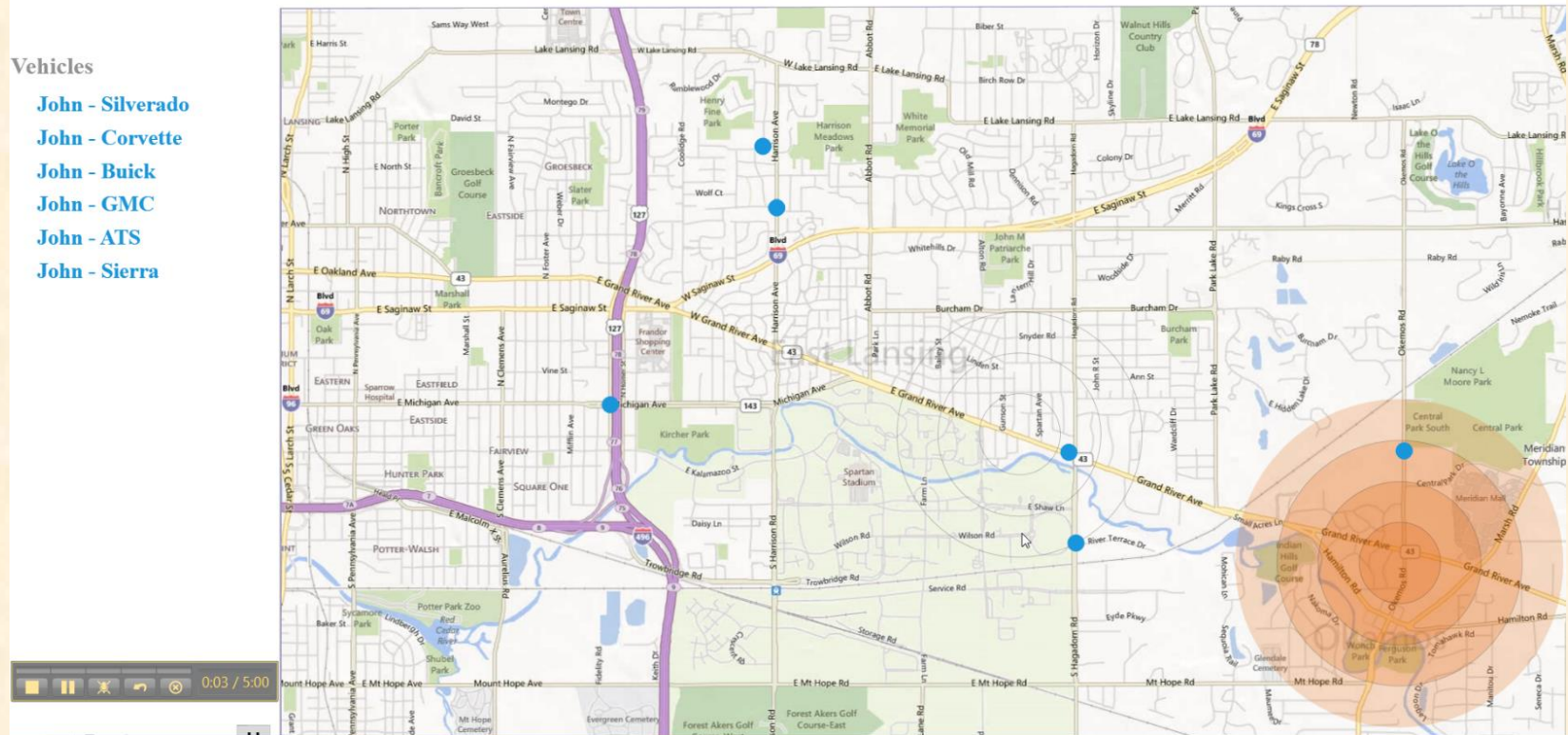
MATRIX Vehicle Simulation

Powered By



Vehicles

- John - Silverado
- John - Corvette
- John - Buick
- John - GMC
- John - ATS
- John - Sierra



Monitoring Vehicle Properties

MATRIX •
Vehicle Simulation

Powered By



John

Make - ATS

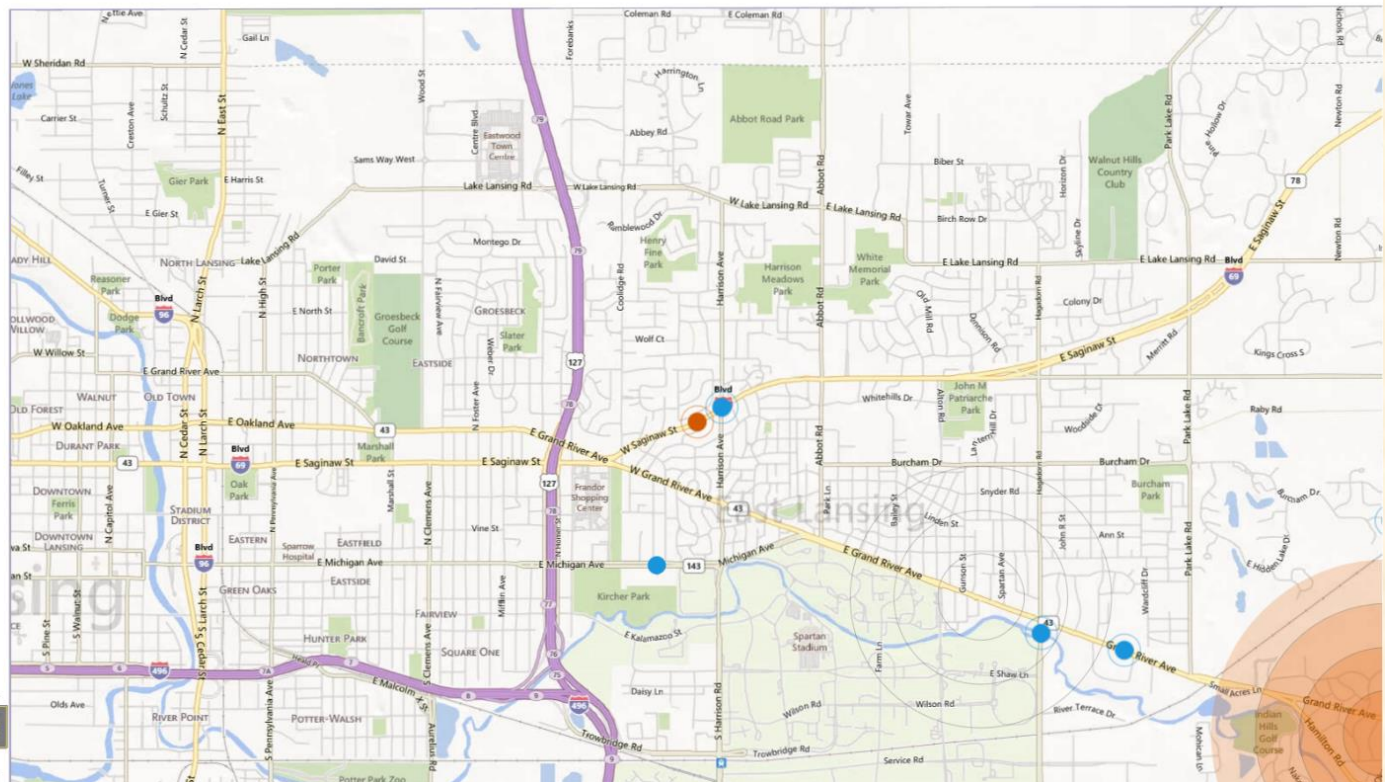


Fuel



- Check to receive alerts when John enters a bad weather zone
- Check to receive alerts when John enters an area with high crime rate.

0:31 / 5:00




Notifications and SMS


MATRIX
Vehicle Simulation

Powered By 

John
Make - Spark

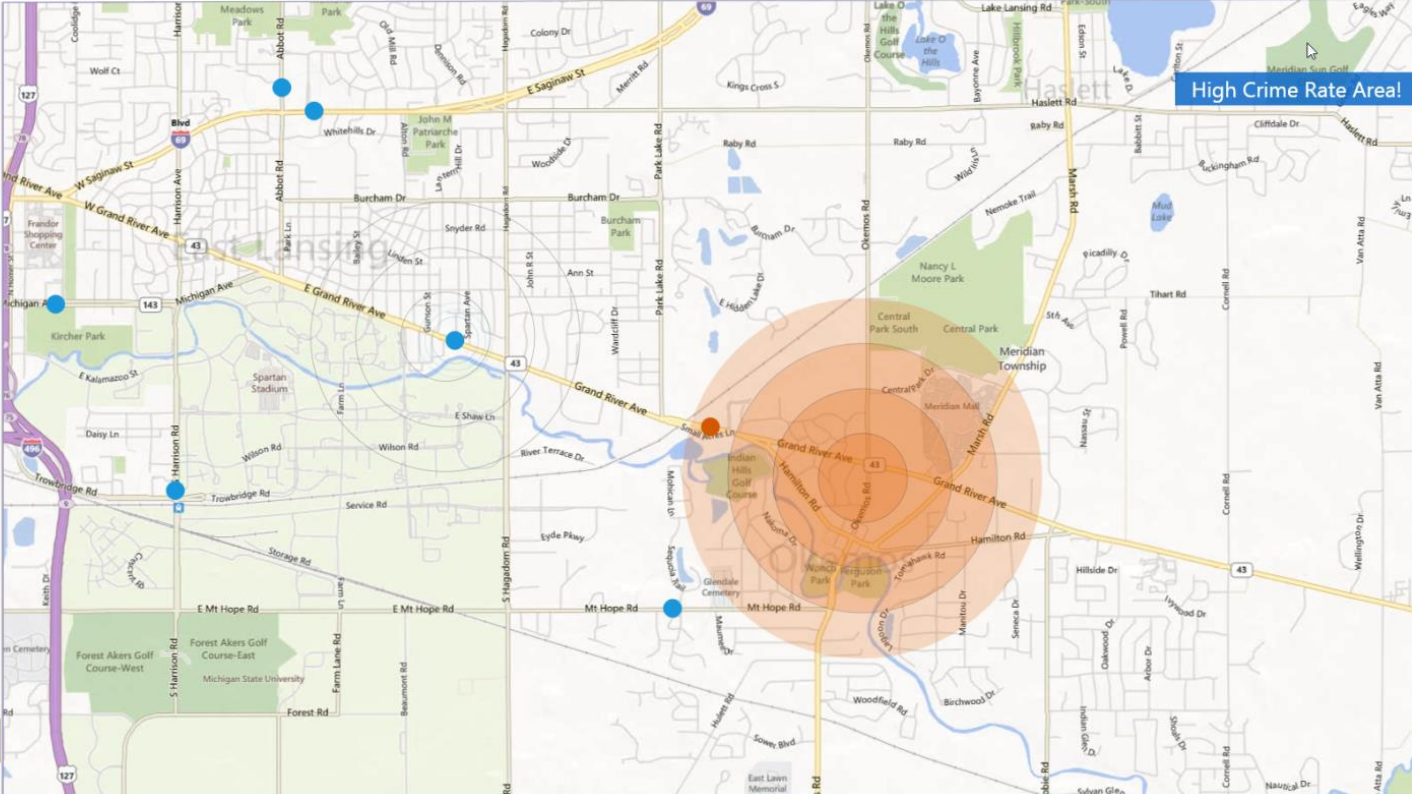


Fuel



- Check to receive alerts when John enters a bad weather zone
- Check to receive alerts when John enters an area with high crime rate.

1:37 / 5:00



Weather & Useful Notifications

MATRIX Vehicle Simulation

Powered By 

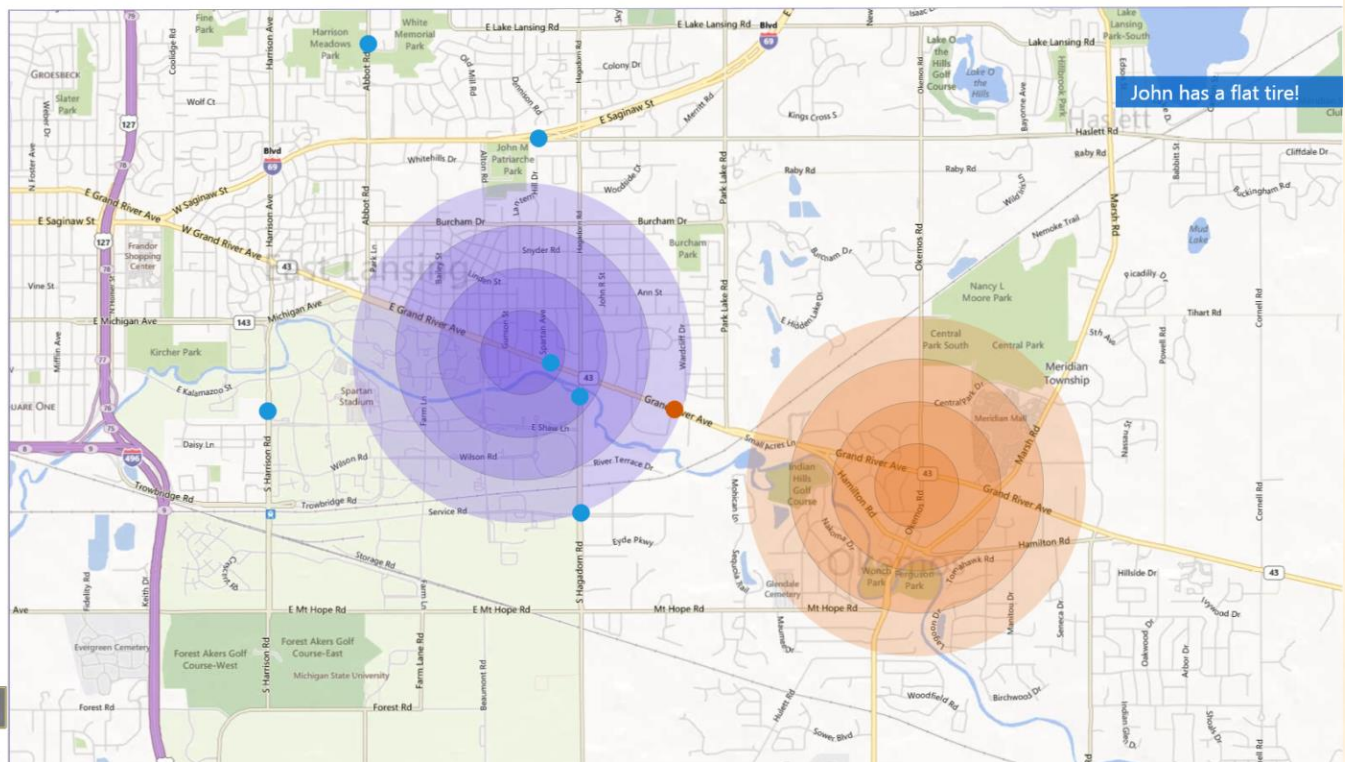
John
Make - Spark



Fuel



- Check to receive alerts when John enters a bad weather zone
- Check to receive alerts when John enters an area with high crime rate.



What's left to do?

- Project Video
- Final Touches / Polish
- Testing for more bugs

