



MICHIGAN STATE

UNIVERSITY

Beta Presentation

Dealership Parts and Telematic Insights

The Capstone Experience

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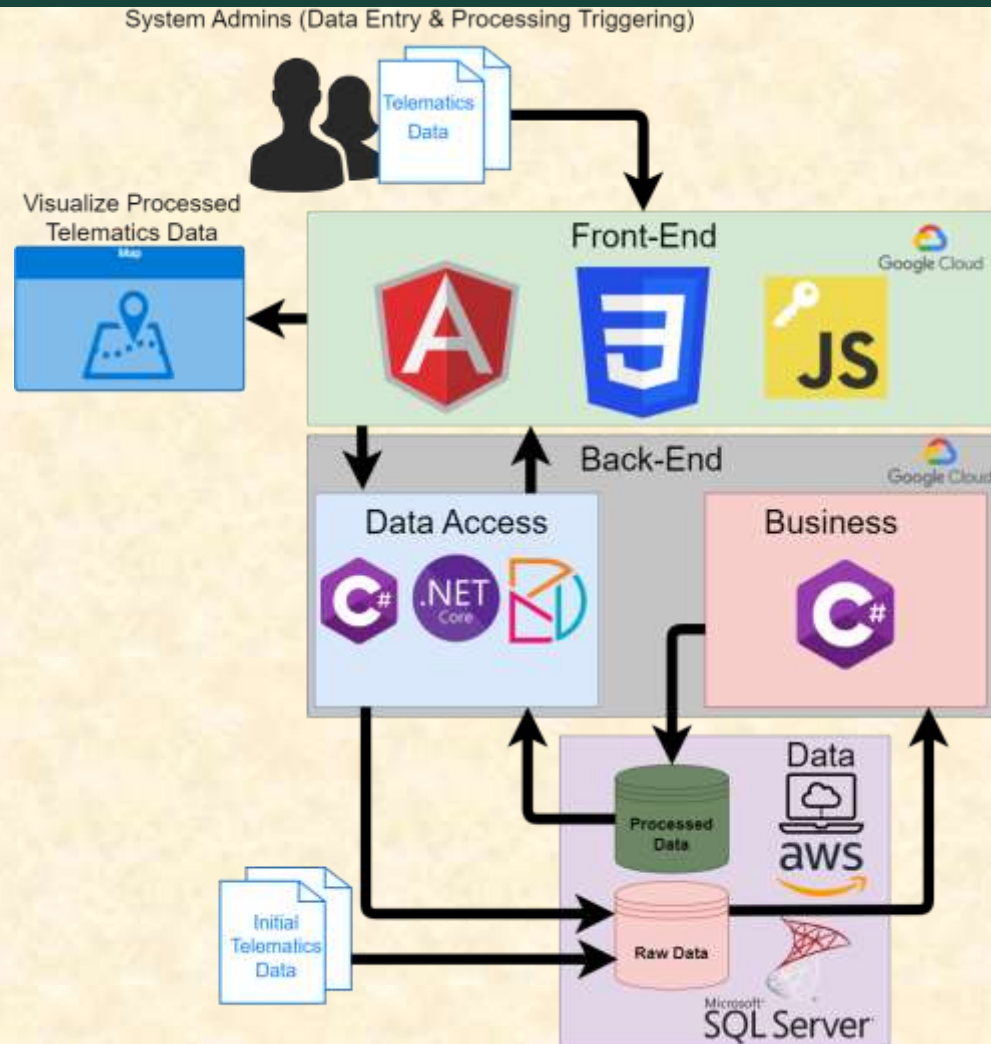
*From Students...
...to Professionals*

Project Overview

- Process raw vehicle and dealership data
- Visualize data on a map and a table
- Dealerships derive insights on aftersales
- User roles determines data viewing
- Upload telematic data for scalability



System Architecture



Dealership Map View



Dealership List View

ID	Name	Lat.	Lon.
36	Randy Wise Anytown	42.988	-83.7659
797	Fernellus Anytown	46.4633	-84.95403
776	Glasman Anytown	42.40396436	-83.28378286
478	Lafontaine Anytown Of Livonia	42.367674	-83.384654
900	Suburban Anytown of Troy	42.552045	-83.1758
1116	Garber Anytown	43.486732	-83.973823
287	Farmington Hills OP	42.475773	-83.435095
1192	Signature Anytown	42.086485	-86.442606
2053	Ehart Anytown	42.798967	-86.072661
2106	Maple Hill Anytown	42.29647	-85.659091

User Management View

TelematicsApp
localhost:4200/users

User Management

Relationships Users

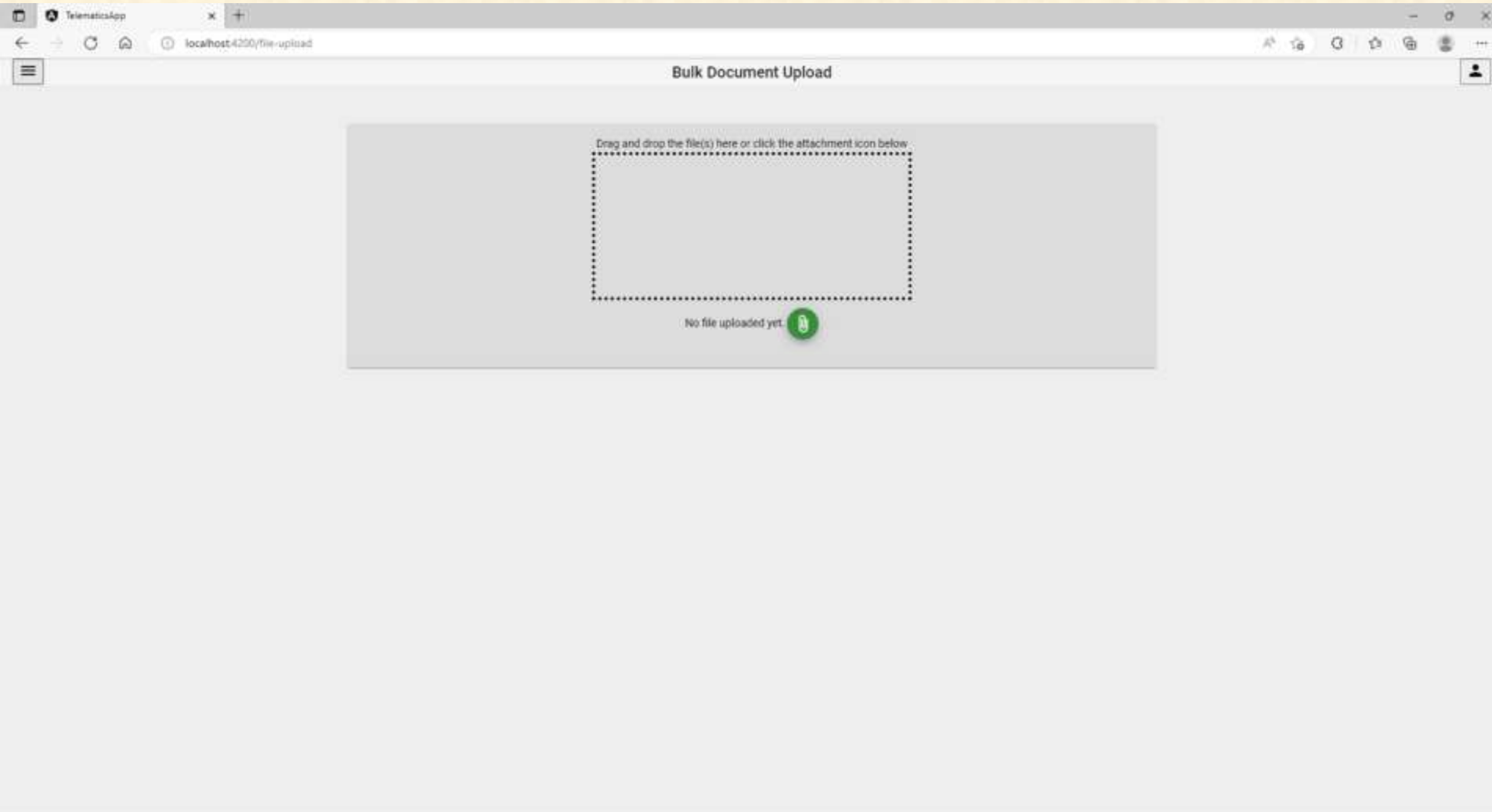
New User

Filter

ID	Email	Role	
4	DealershipEmail@email.com	Role dealer	Add Dealership
6	test@test.com	Role regional manager	Add Dealership
5	noah@admin.com	Role admin	Add Dealership
3	RegEmail@email.com	Role regional manager	Add Dealership
1	TrentonsEmail@email.com	Role admin	Add Dealership
2	AdminEmail@email.com	Role admin	Add Dealership

Items per page: 10 1 - 5 of 6

Document Upload View



What's left to do?

- Features
- Stretch Goals
 - ML implementation
 - Animated Vehicle Traffic Lines
- Other Tasks
 - Bug Fixing



Questions?

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