

MICHIGAN STATE

U N I V E R S I T Y

Alpha Presentation

Ford Augmented Reality Owner's Manual

The Capstone Experience

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

Project Overview

- Physical owner's manual to digital experience
- AR and digital search
- Diversified resources for user
- Deliverables
 - iOS App
 - Web App
 - Database

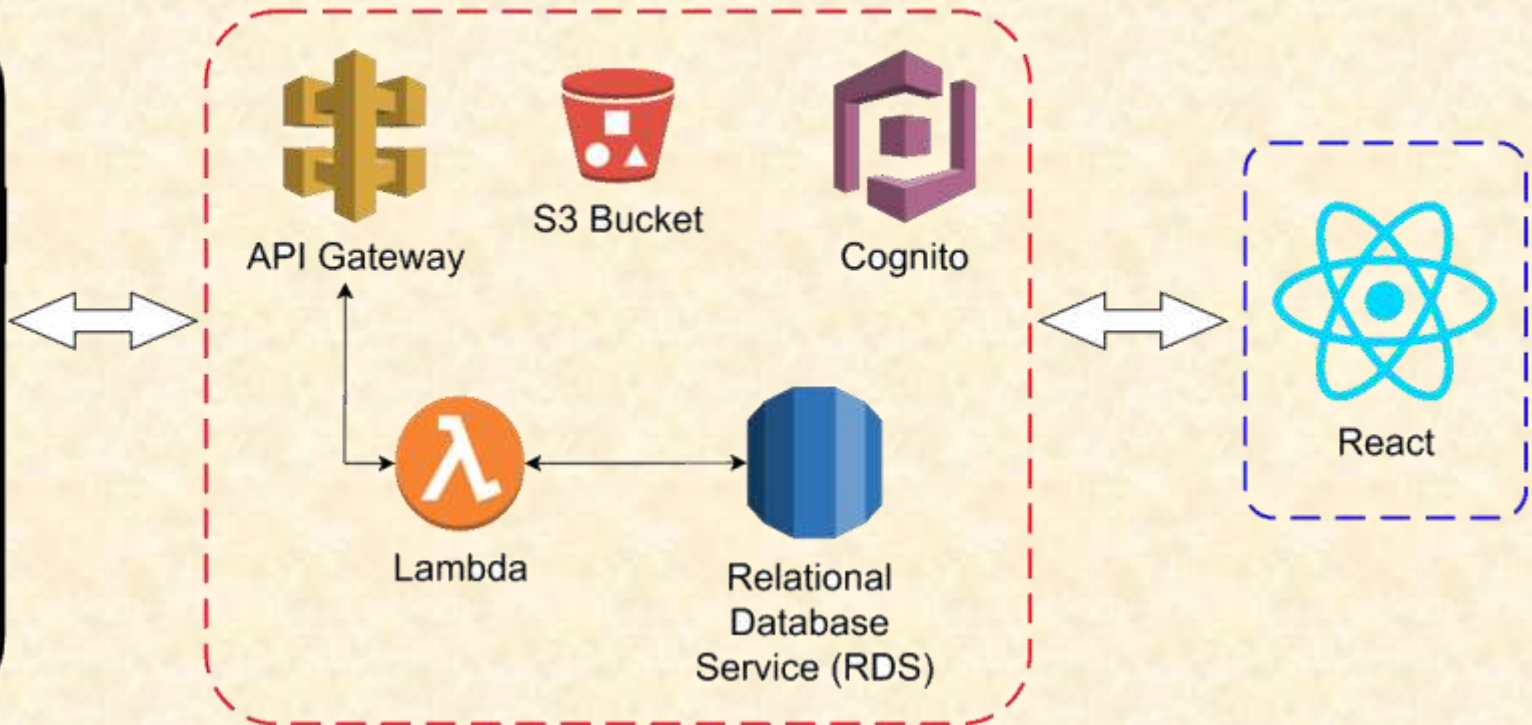


System Architecture

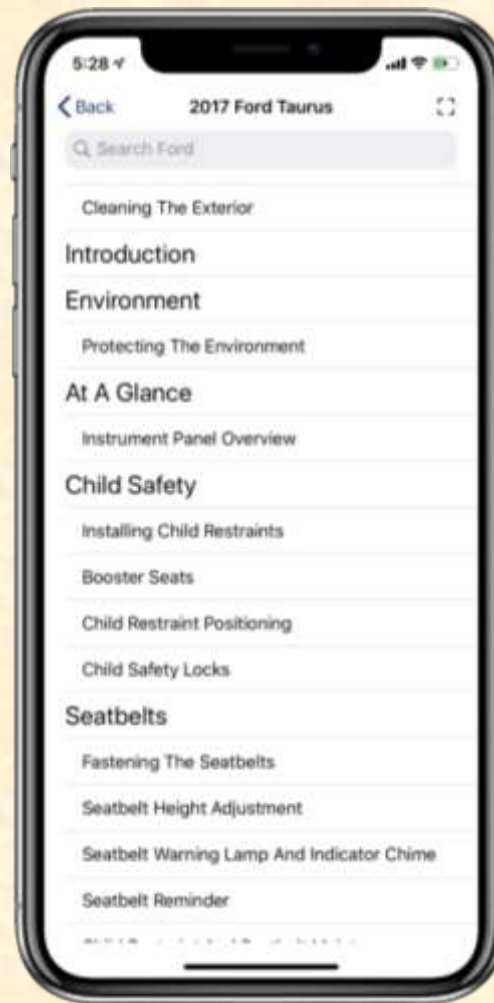
iOS Application

AWS

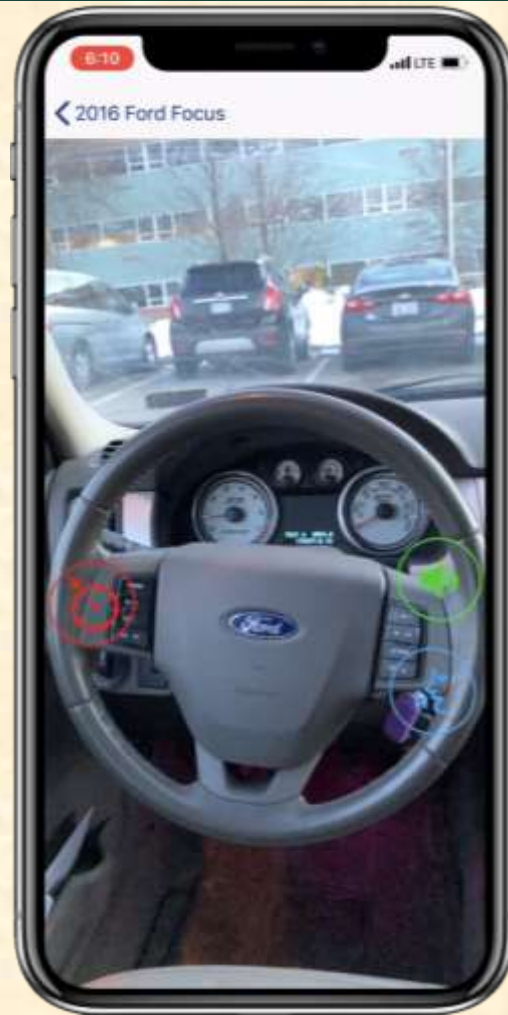
Web Application



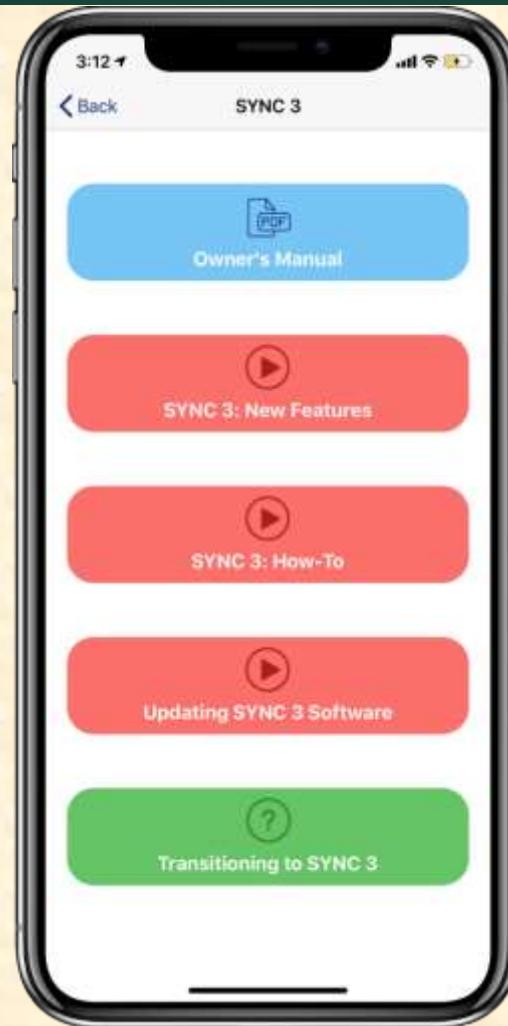
Homepage



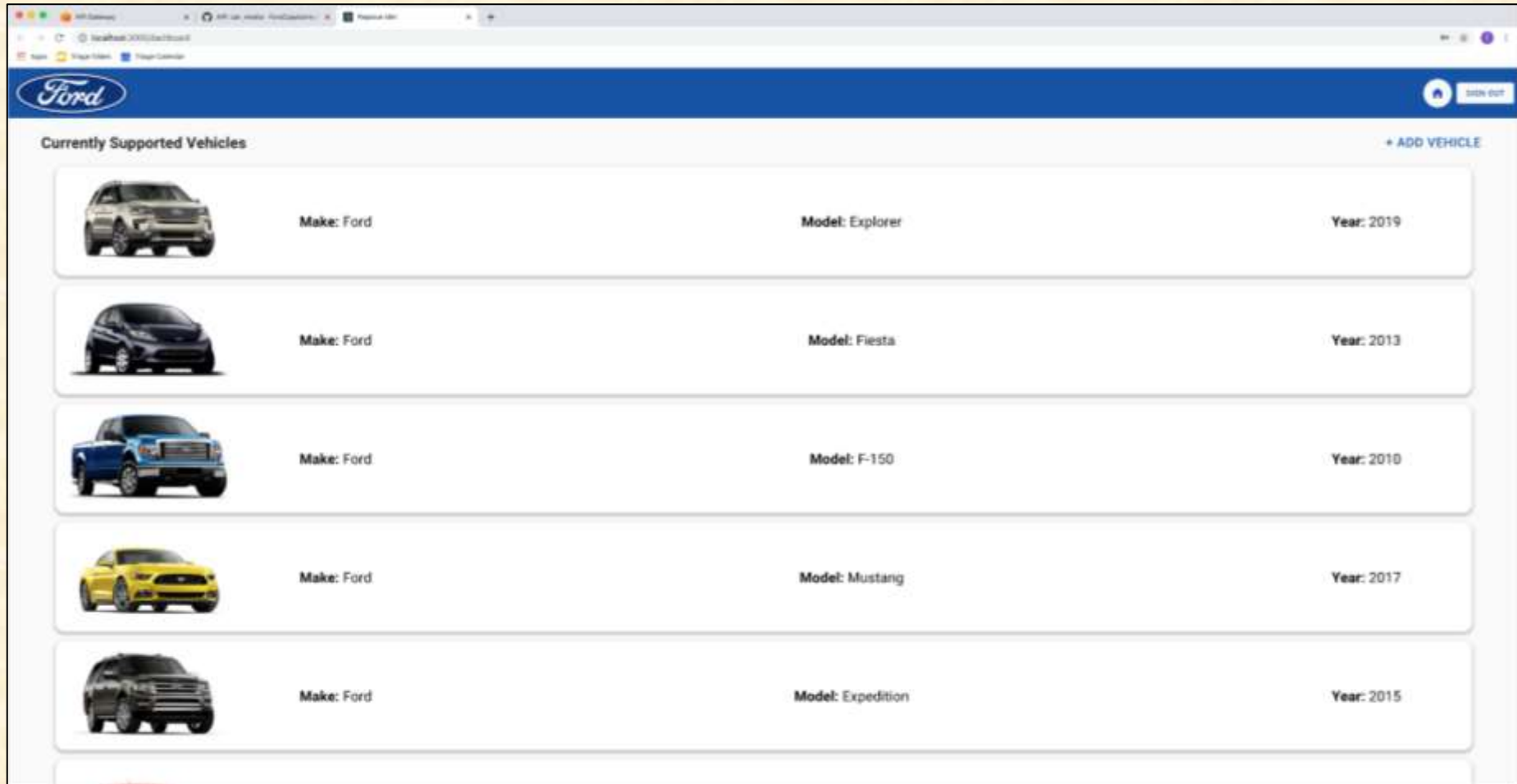
AR Function



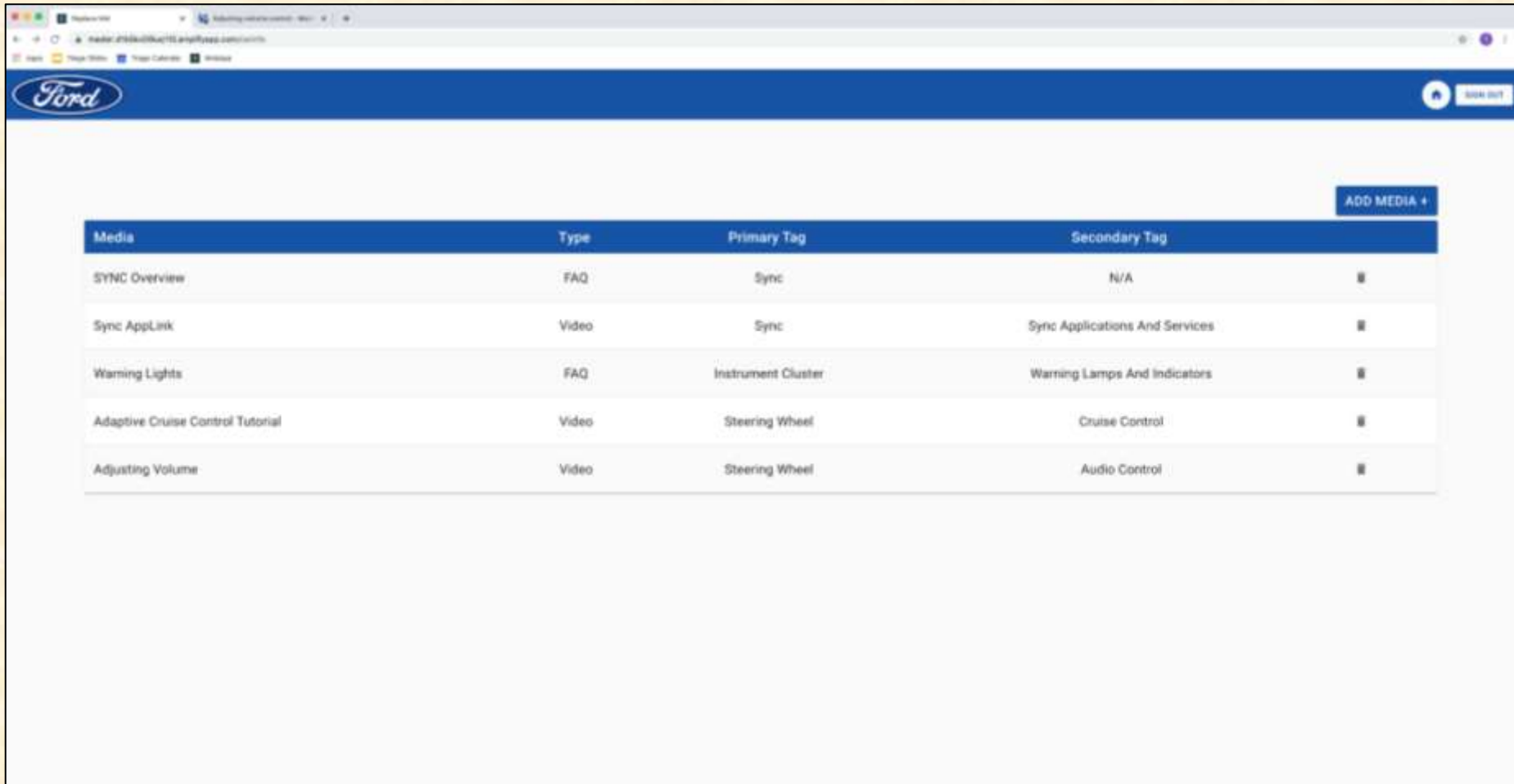
Media Available



Web Application



Web Application



The screenshot displays a web application interface for Ford. At the top left is the Ford logo, and at the top right is a 'SIGN OUT' button. Below the header is a table with the following columns: Media, Type, Primary Tag, Secondary Tag, and an action column with a menu icon. A blue 'ADD MEDIA +' button is located in the top right corner of the table area. The table contains five rows of media entries.

Media	Type	Primary Tag	Secondary Tag	
SYNC Overview	FAQ	Sync	N/A	⋮
Sync AppLink	Video	Sync	Sync Applications And Services	⋮
Warning Lights	FAQ	Instrument Cluster	Warning Lamps And Indicators	⋮
Adaptive Cruise Control Tutorial	Video	Steering Wheel	Cruise Control	⋮
Adjusting Volume	Video	Steering Wheel	Audio Control	⋮



Live Demo



What's left to do?

- Complete the AR experience
- Cache vehicle data so app is available offline
- Add AR tagging functionality to web app
- Polish UI of iOS and Web app



Questions?

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Survey Tier 1

- Student/Professor Survey
- Will be given to students/professors after Alpha
- <https://forms.gle/kn1d4k1s3X8cDgyeA>



Demo Videos

- <https://drive.google.com/drive/folders/11ie2Z9jt9LhaznoZ9VgSVD9r1sNYfbiG?usp=sharing>

