

**MICHIGAN STATE**  

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**UNIVERSITY**

# Beta Presentation

Data-Driven Mechanic: Applications and  
Infrastructure

The Capstone Experience

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

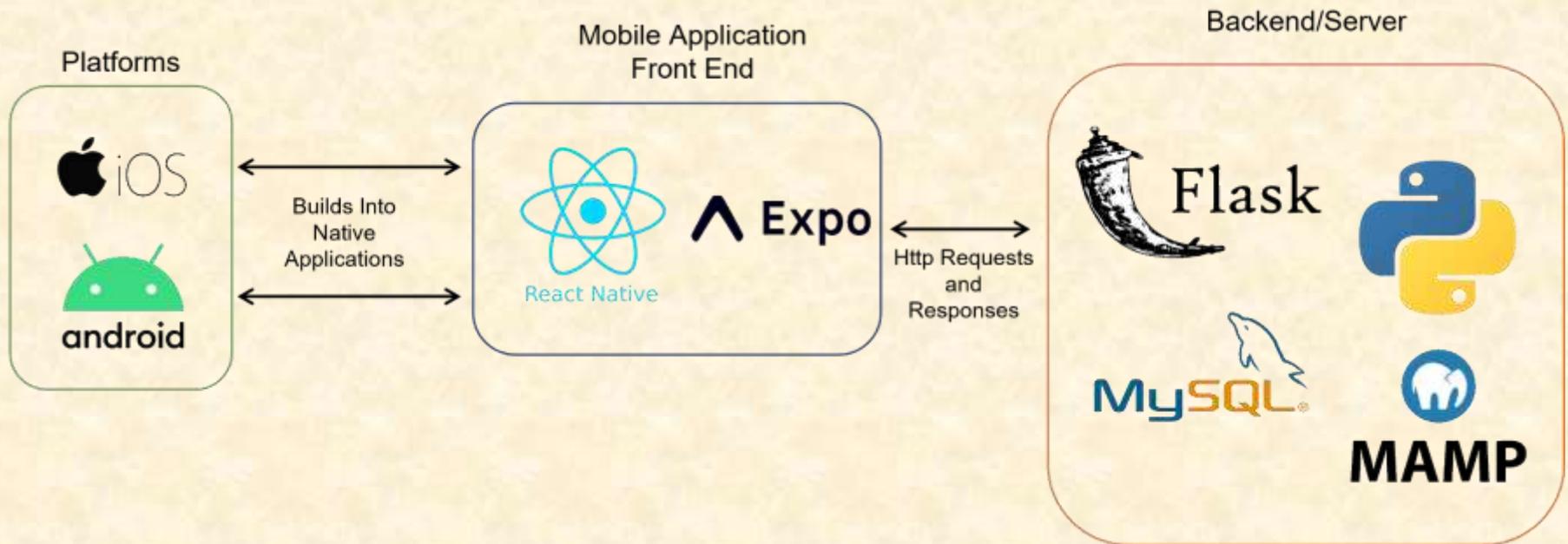
# Project Overview

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- Develop iOS and Android apps to collect audio and accelerometer data of vehicles for collection of data and classification
- Ability to annotate the collected data for training of algorithms
- Ability to classify the data using previous trained algorithms and display the results to users



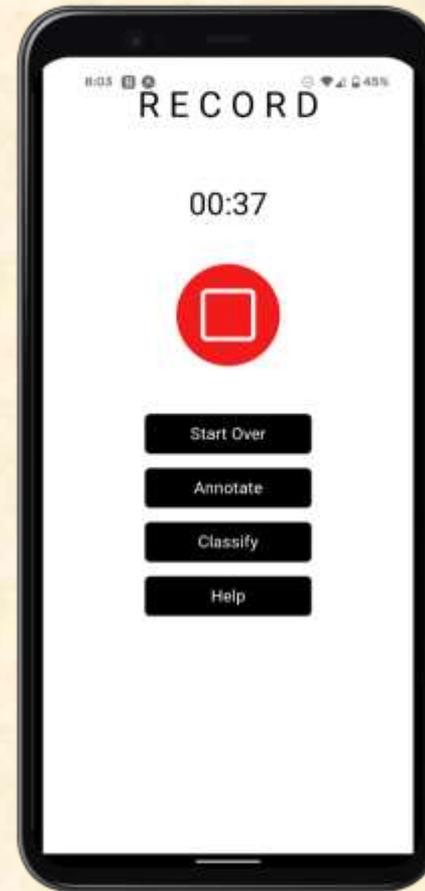
# System Architecture



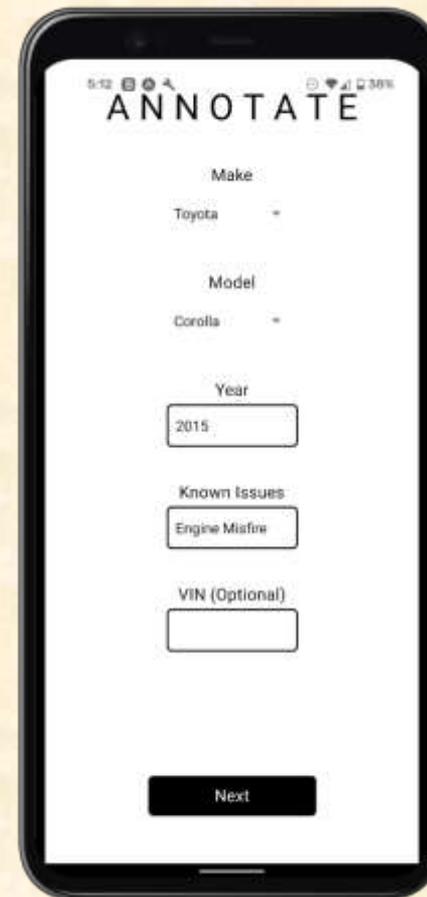
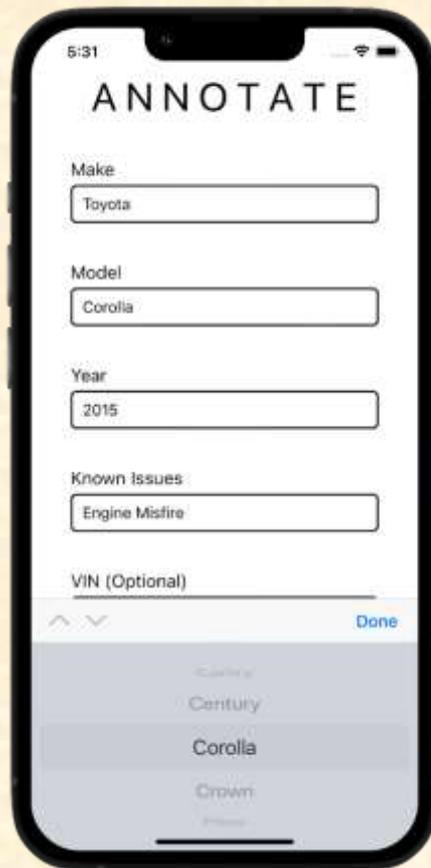
# Home Screen



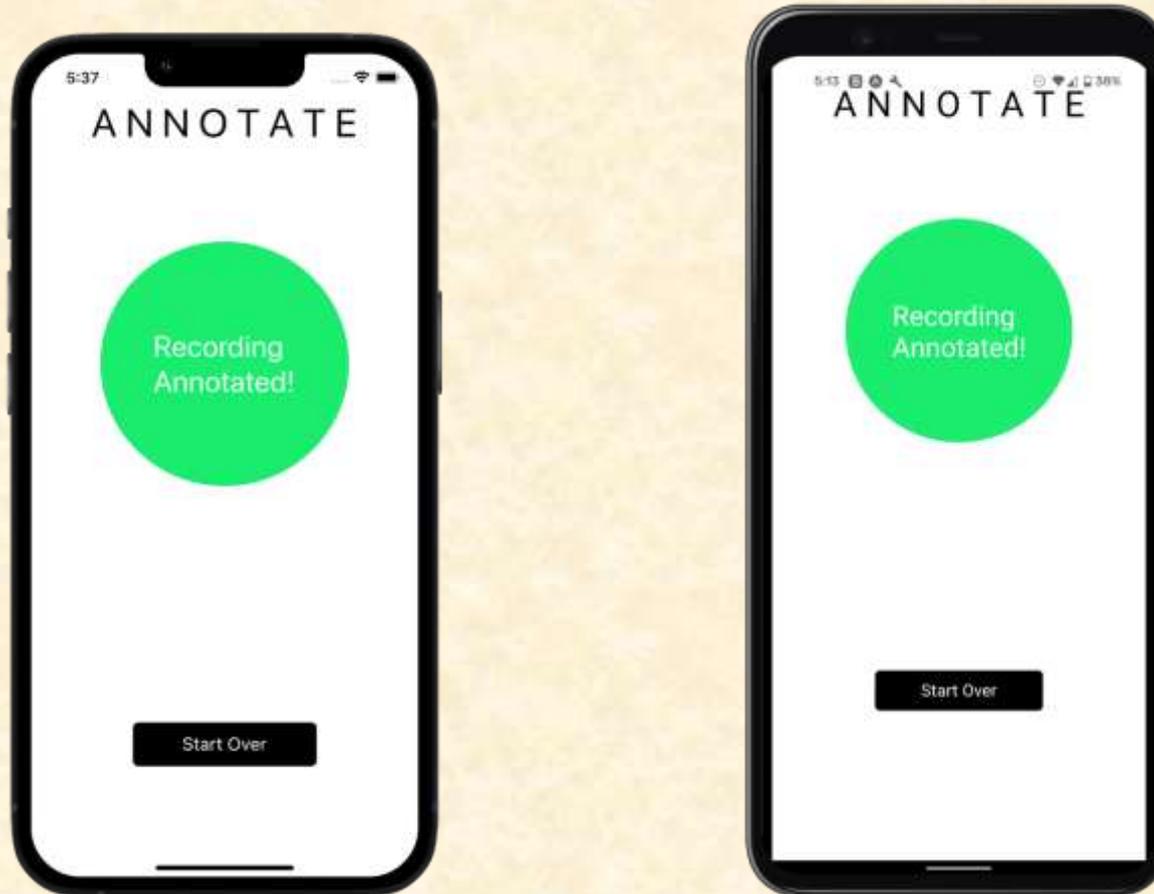
# Recording Screen



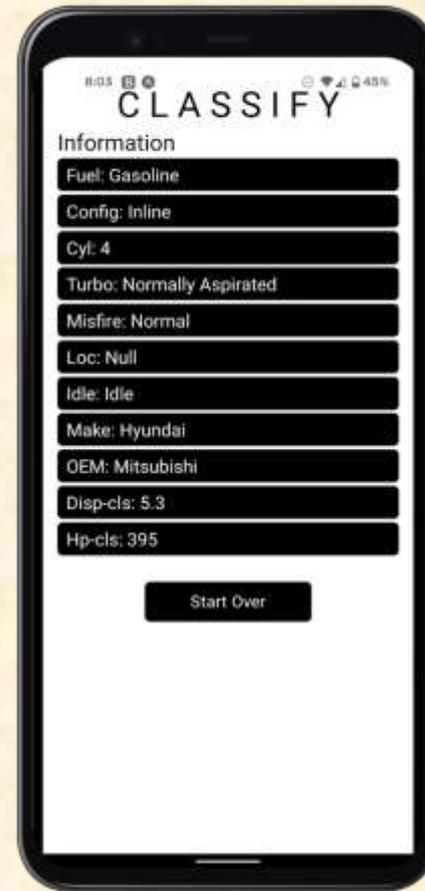
# Annotate Screen



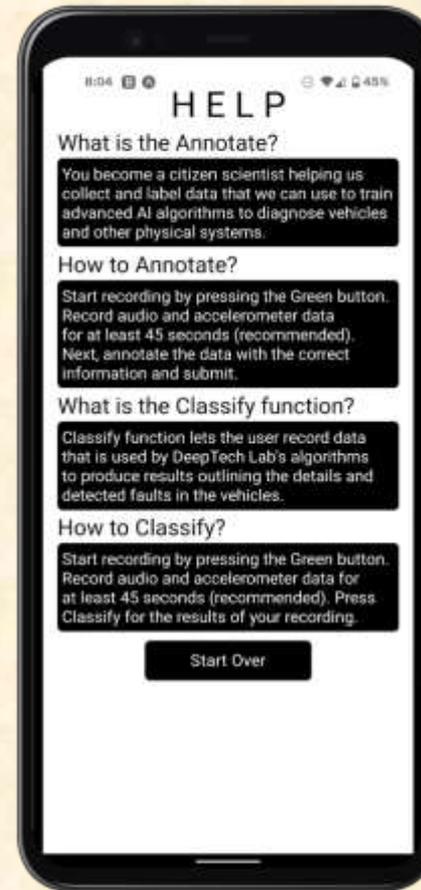
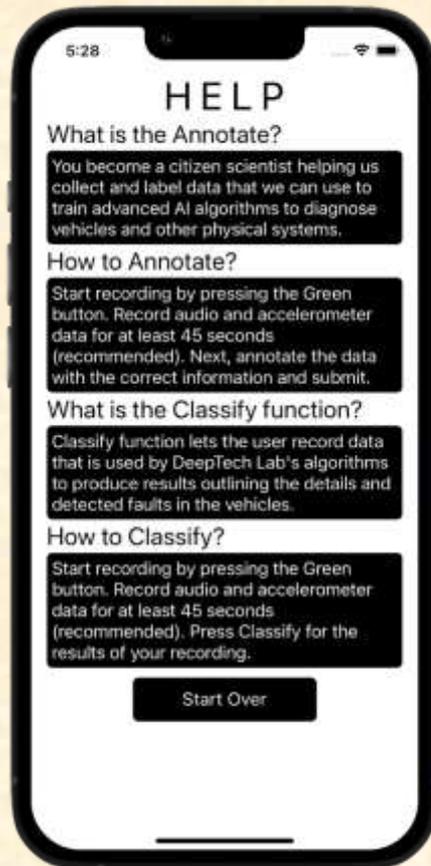
# Annotate Submitted Screen



# Classify Screen



# Help Screen



# What's left to do?

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- Stretch Goals
  - Added security for database and server
- Other Tasks
  - Bug fixes for form validation visuals
  - Finish migrating back end from local to remote
  - Refactor code and integrated testing
  - Create documentation



# Questions?

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