Fleet Management System

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Objectives

Develop a system to:
• Automate and digitize the Los Angeles County Safety Check and Mileage Form
• Keep track of who uses county vehicles
• Record the route a vehicle takes
• Record diagnostic data that is supplied by a vehicle’s Engine Control Unit
• Review vehicle usage

Architecture Layout

Internet of Things

What is IoT:
• The connection of devices over the internet to exchange information
• The Edge in IoT projects handles the creation and sending of data to the correct infrastructure
• The one of the goals for this year was to create a proof of concept device for the edge of the project

Lessons Learned

• Be prepared for a project to change with little notification
• Be open to new forms of technology
• Always be willing to learn new ideas
• We are a team and must help one another with problems when they come up

Future Plans

• Report creation system for web application
• Maximo Integration: Machine Learning to determine when a car will break down
• Prevent Vehicle from starting without proper identification