

Fleet Management System



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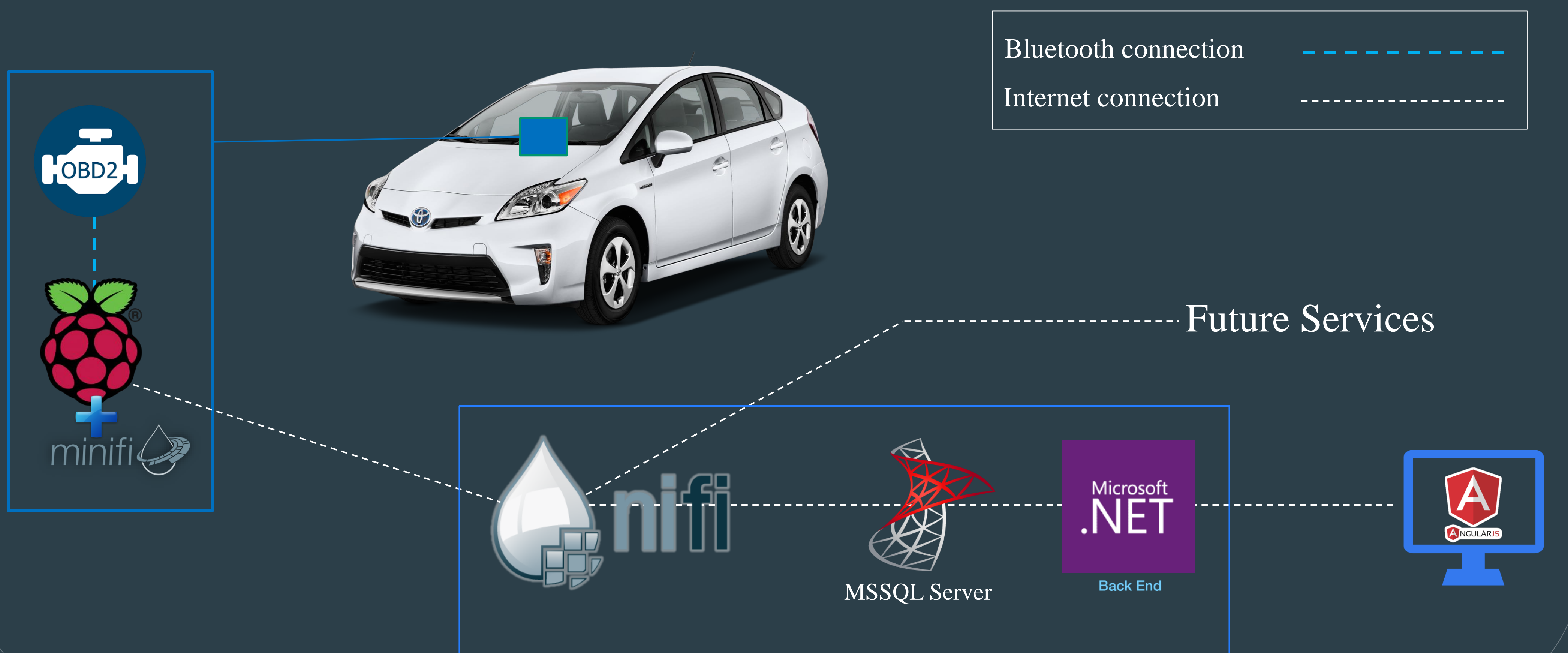


Objectives

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 vehicles 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