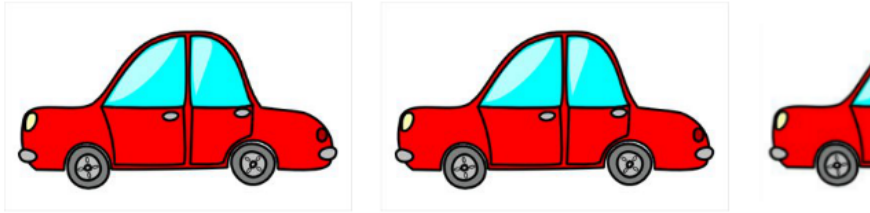


# CarHub

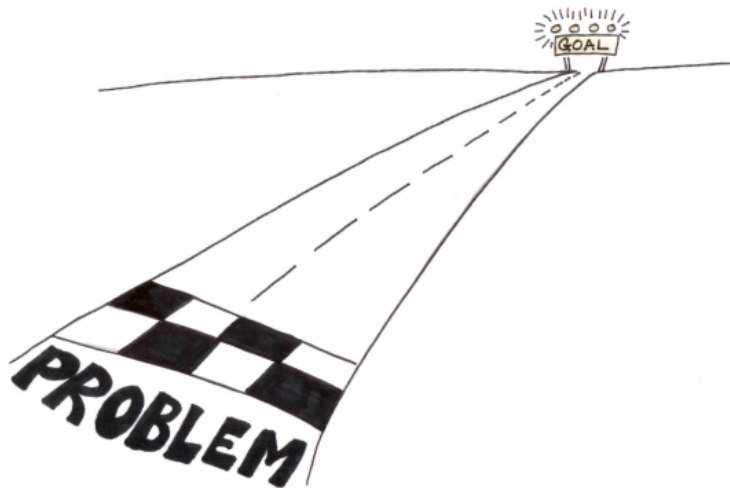
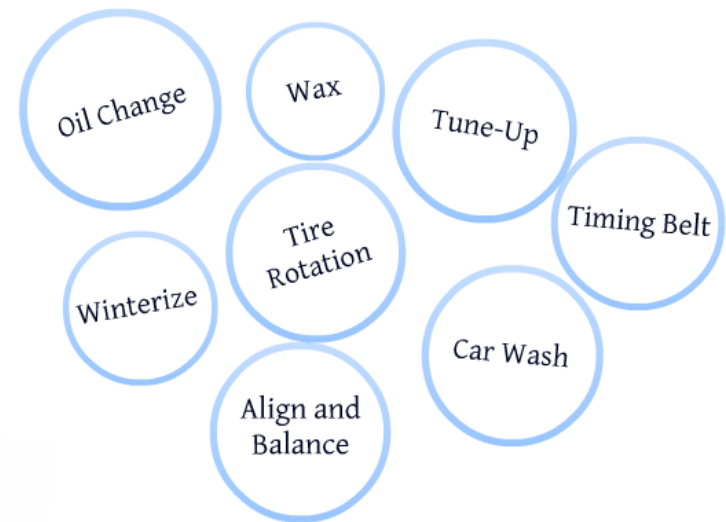
By: Ashley Nelson, Josh Peters, Brian Reber and Jamie Kujawa

# Problem Statement/Target Users

United States has a national average of 2.28 vehicles per household (Experian Auto)



Only 41% of Americans follow their manufacturer's scheduled service recommendations (DriverSide)



# Usability Features



## Features Per Vehicle

### Expense Manager

- Store purchase records
- Save receipt photos

### Maintenance Records

- Keep track of periodic maintenance
- Add reminders for upcoming maintenance

### Gas Mileage Tracker

- Calculate gas mileage based on fuel up information

### Car News

- Show news articles related to your vehicle

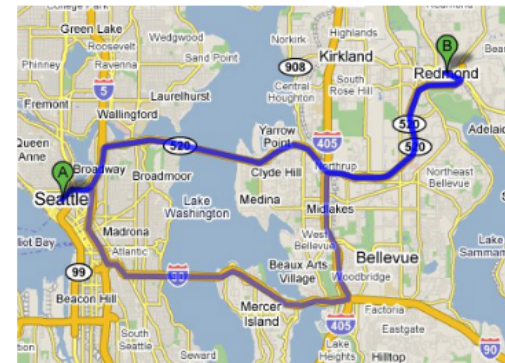
## Features for all

### Trip Planner

- Use embedded Google maps
- Calculate trip cost using MPG and gas price

### Nearby Gas Prices

- Display nearby gas prices
- Prices are updated daily by our free data provider



# Responsibilities



Ashley

Maintenance Records



News Feed

Notifications



Jamie

Trip Planner

Nearby Gas Prices

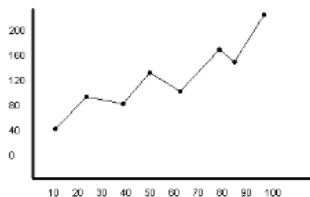


Brian

Graphs

Login Page

Garage



Josh

Expense Manager

Gas Mileage Tracker



# Languages/Frameworks

# JSON

JavaScript Object Notation



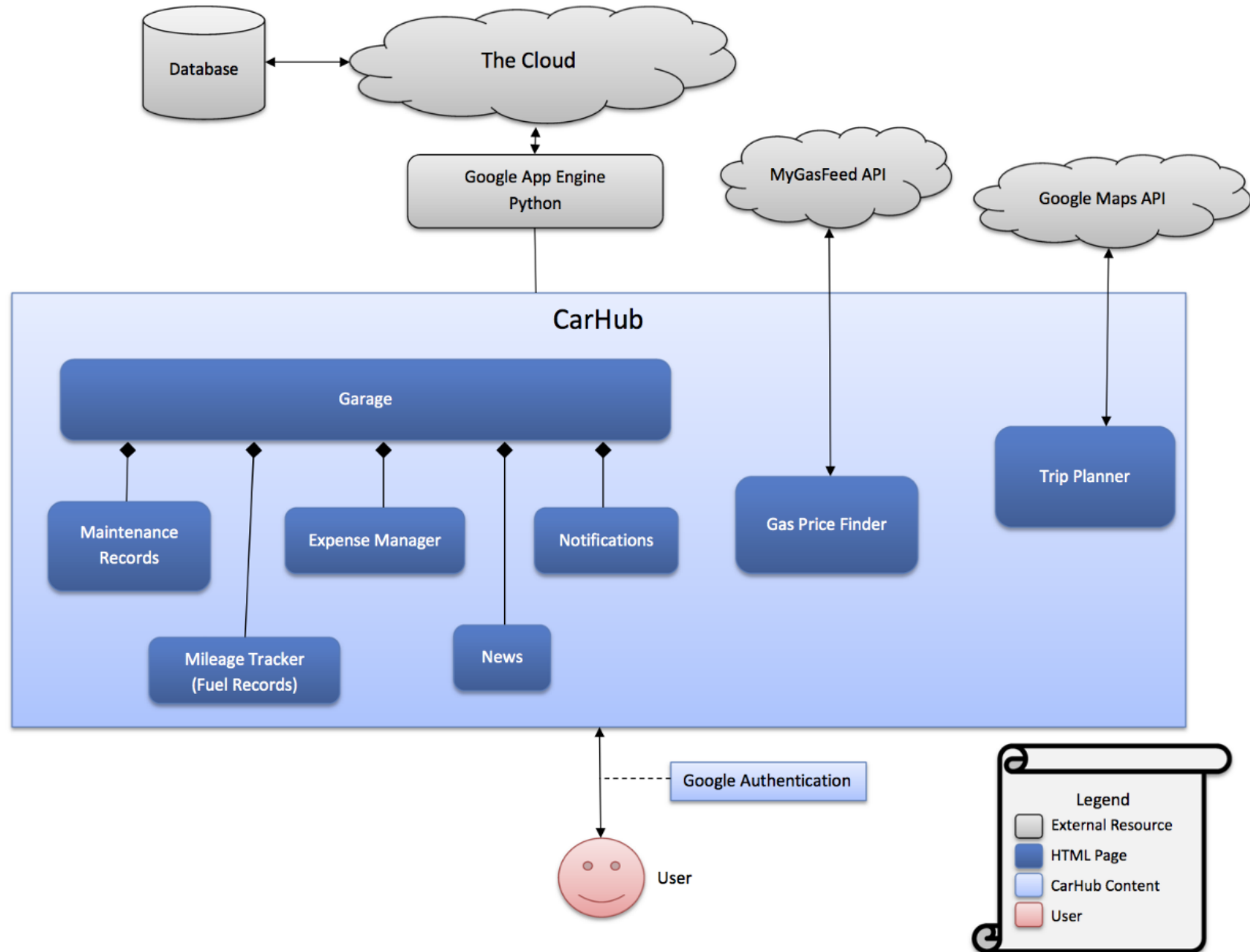
- Google App Engine
- Python
- Page Templates
- JavaScript
  - Google Maps API
  - MyGasFeed
- jQuery
- Bootstrap
- Google Authentication



Bootstrap, from twitter



# Architectural View



# Biggest Challenge

Learning new technologies/frameworks

- Python
- App Engine
- Javascript/jQuery





# Changes to Project

Java/JSP  Python/Page Templates

Reasons:

- Wanted to learn a new set of languages and frameworks
- Simpler project structure
  - Mapping URLs to servlets in Java was not very intuitive
- Templates allowed for easier page inheritance



# Demo

If you would like to follow along  
please go to [www.carhub.us](http://www.carhub.us)