



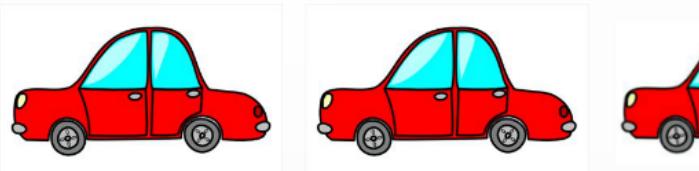


CarHub

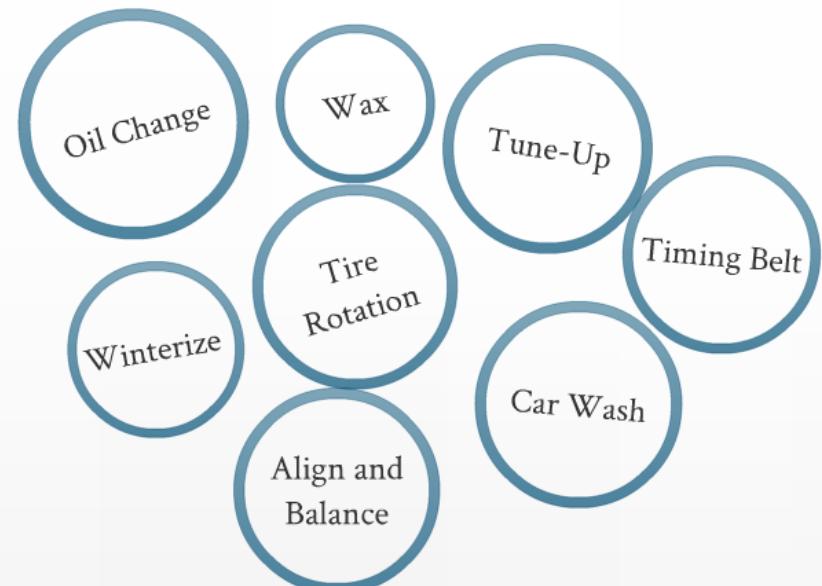
Group 1: Jamie Kujawa, Ashley Nelson, Josh Peters,
and Brian Reber

Problem Statement

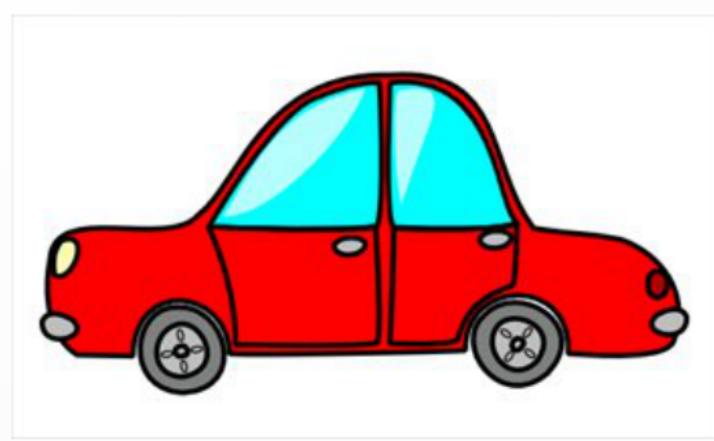
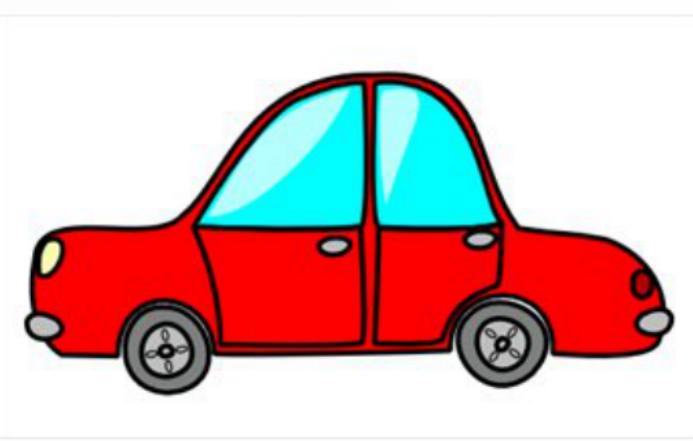
United States has a national average of 2.28 vehicles per household (Experian Auto)



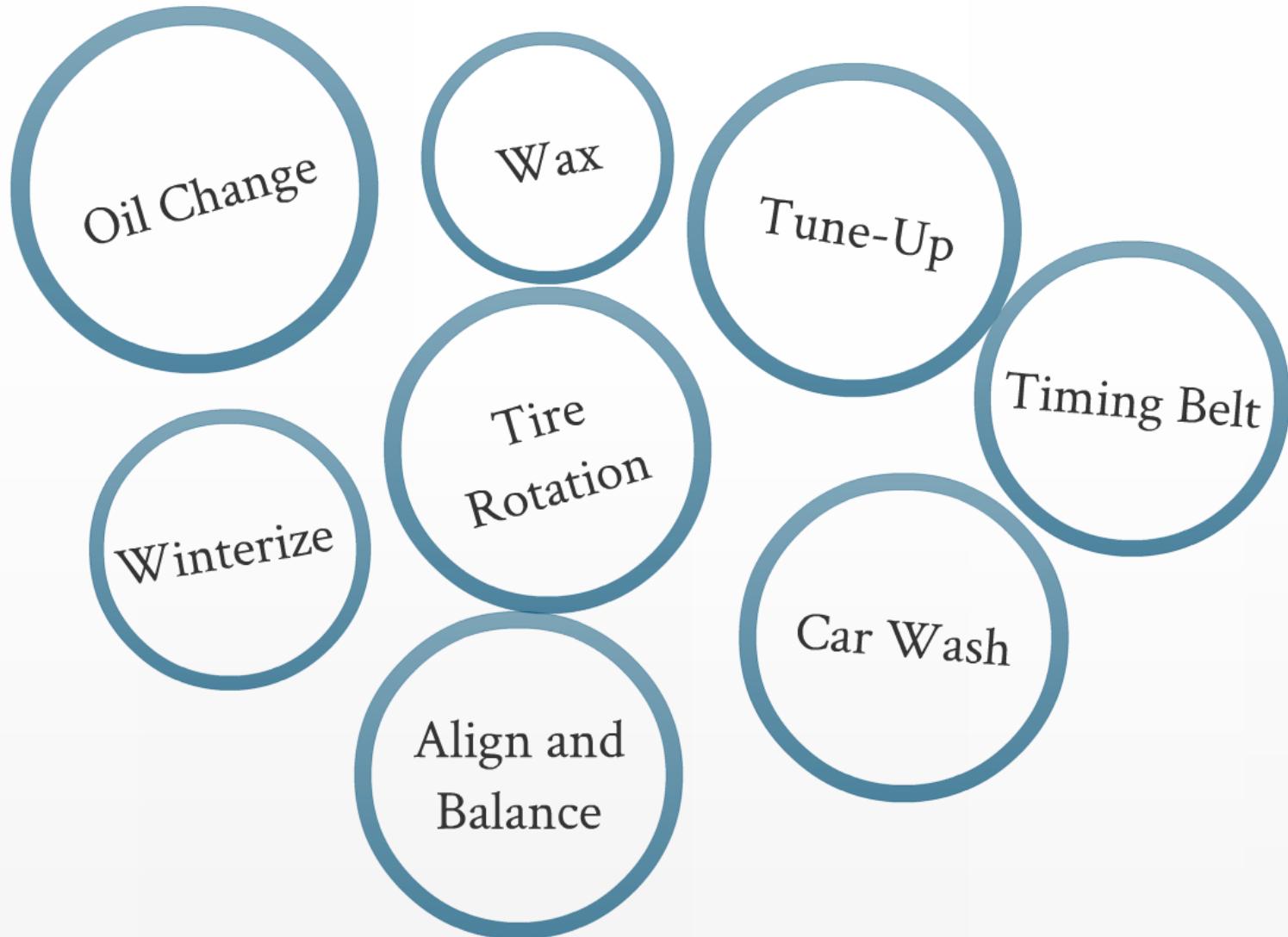
Only 41% of Americans follow their manufacturer's scheduled service recommendations (DriverSide)



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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



Features Per Vehicle

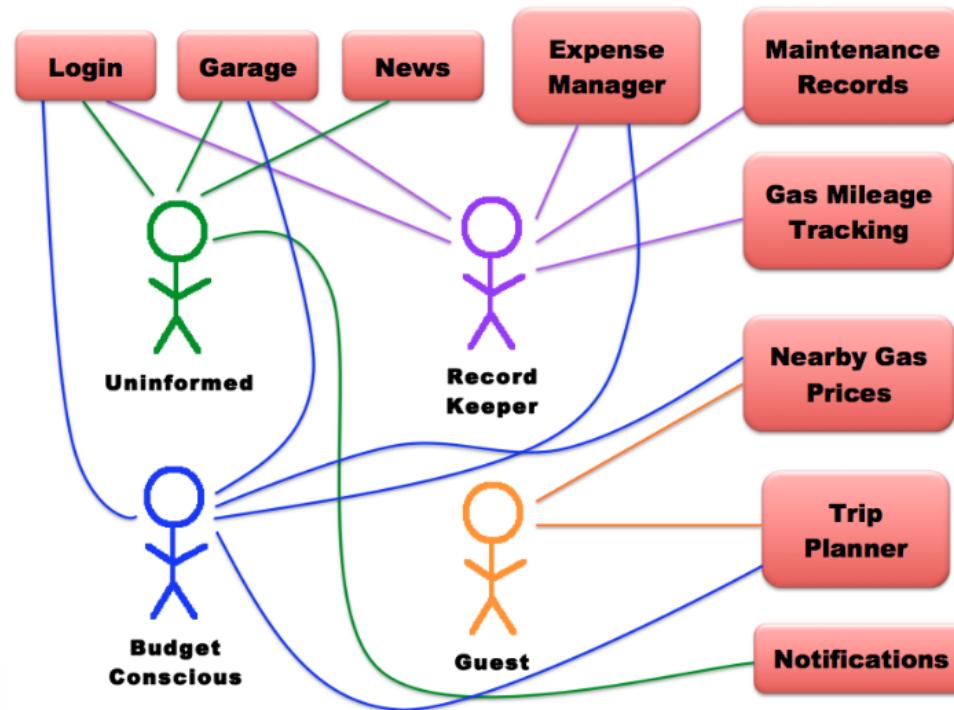
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Interaction With Users

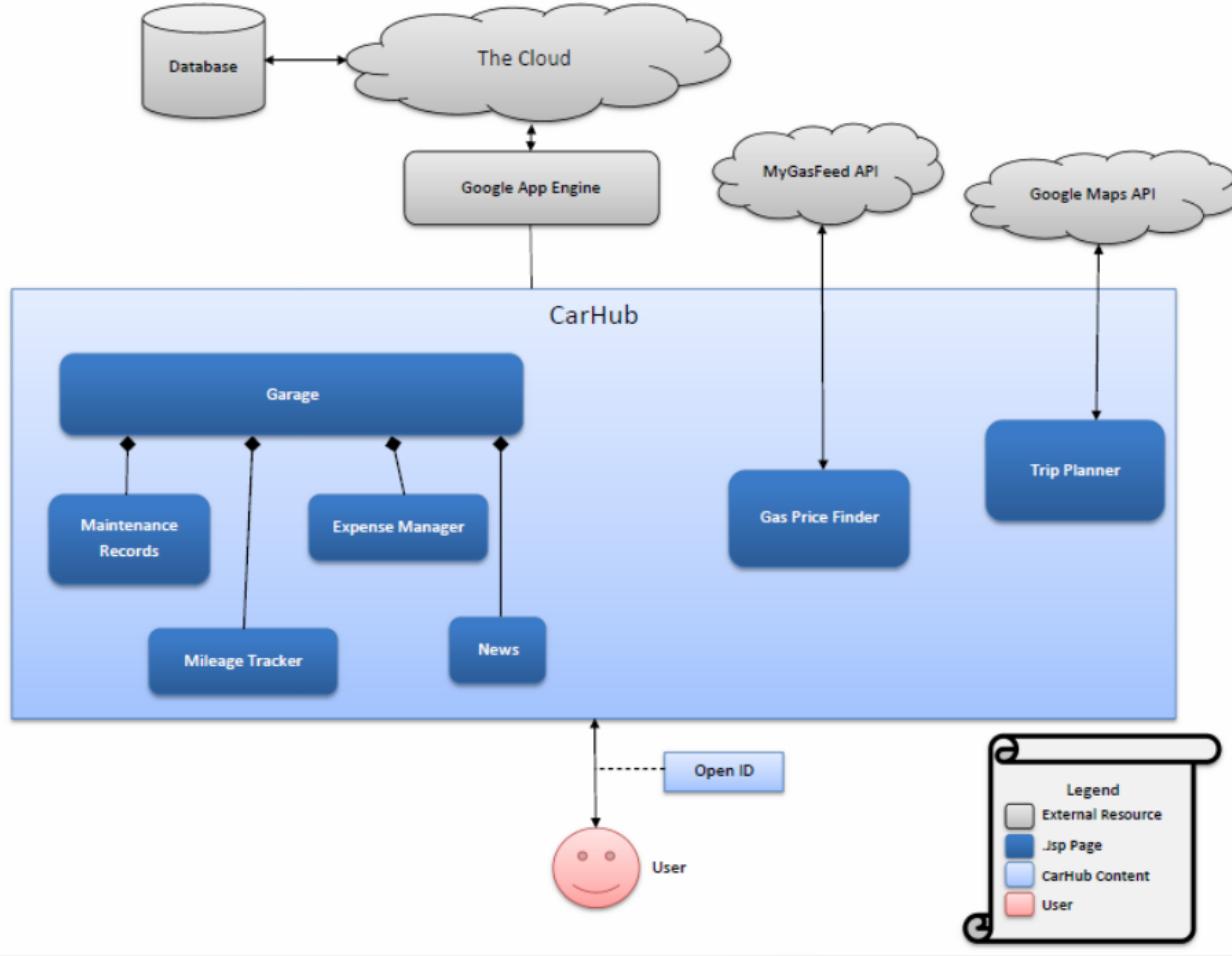


Languages and Frameworks

- Google App Engine
- Java Servlets / JSP
- JavaScript
 - Google Maps API
 - MyGasFeed
- jQuery
- Bootstrap
- Facebook/Google/OpenID Login



Architectural View



Responsibilities and Timeline

Responsibilities

Individual Roles

- Ashley
 - Maintenance Records
 - News Feed
- Jamie
 - Trip Planner
 - Nearby Gas Prices
- Josh
 - Expense Manager
 - Gas Mileage Tracker
- Brian
 - Graphs
 - Login Page
 - Garage



Timeline

September

Set up Google App Engine/Repository

Choose Website Theme

Team Members learn new languages

October

3rd - Jumpstart Presentation

8th - 19th Begin working on individual pages, Learn how to use jsp pages, Java, Javascript and HTML within existing framework

22nd - 26th Peer Review of contributions. Modify code based on team member suggestions

29th - Instructor Review

November

5th - 16th Finish Developing Modules/Testing

19th - 29th Finalize and Finish Website

30th - Instructor Review

December

1st - Finish Project

Project Demo

14th - Site goes live

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CarHub Garage ▾ Tools ▾ Notifications 2 ▾

NAVIGATE
Garage
Add Vehicle

Your Garage
TODO: list vehicles...

Garage ▾ Tools ▾

- Ford Focus
- Chevy Cruze
- Honda CRV
- + Add Vehicle

CarHub Garage ▾ Tools ▾ Notifications 2 ▾

NAVIGATE
Ford Focus

- Expense Manager
- Maintenance Records
- Gas Mileage Tracking
- News

Nearby Gas Prices
Trip Planner

Some info about F

Summary

Maintenance Records

Oil Changes

Date	Price	Service Provider	Suggested Miles	Suggested Date	Receipt
3/12/2012	\$25.99	Honda Dealership	4000	7/12/2012	Picture
12/13/2011	\$21.99	Jiffy Lube	3000	3/13/2012	Picture

Car Washes

Date	Price	Service Provider	Receipt
3/12/2012	\$9.99	Primp My Ride	Picture

Add Record

Nearby Gas Prices

Detect my location

Zip Code: Search Radius: Fuel Grade: Sort By:

Average Gas Mileage

Thank You!