



# CarHub

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

# Usability Features

## Features Per Vehicle

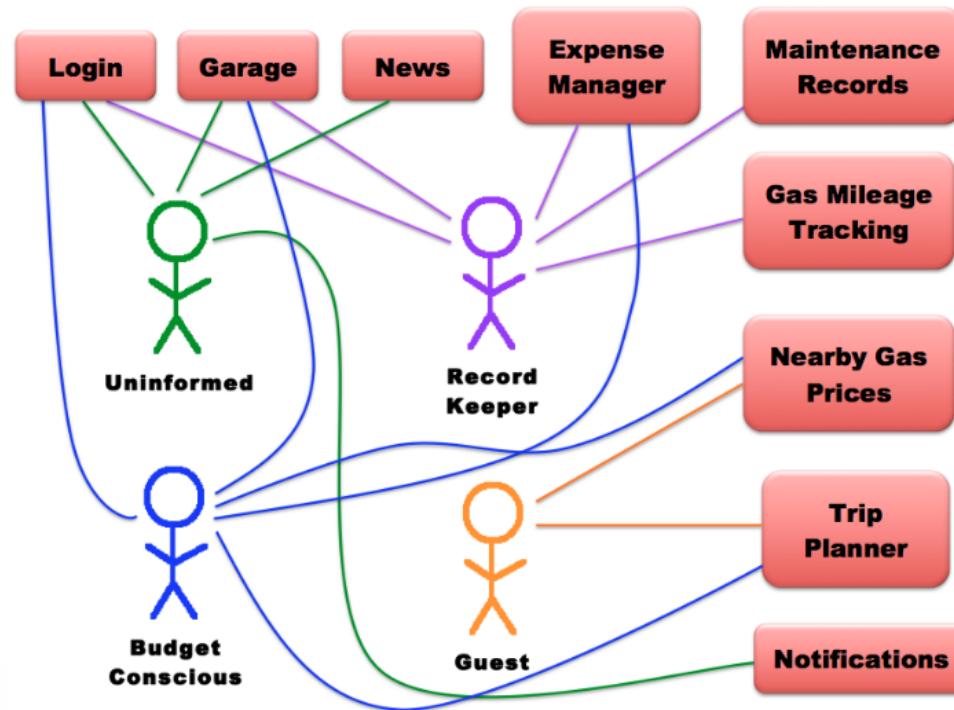
- Expense Manager
  - Store purchase records
  - Save receipt photos
- Maintenance Records
  - Keep track of periodic maintenance
  - Add reminders for upcoming maintenance
- Gas Mileage Tracker
  - Calculate gas mileage based on fuel up information
- Car News
  - Show news articles related to your vehicle

## 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



# Interaction With Users

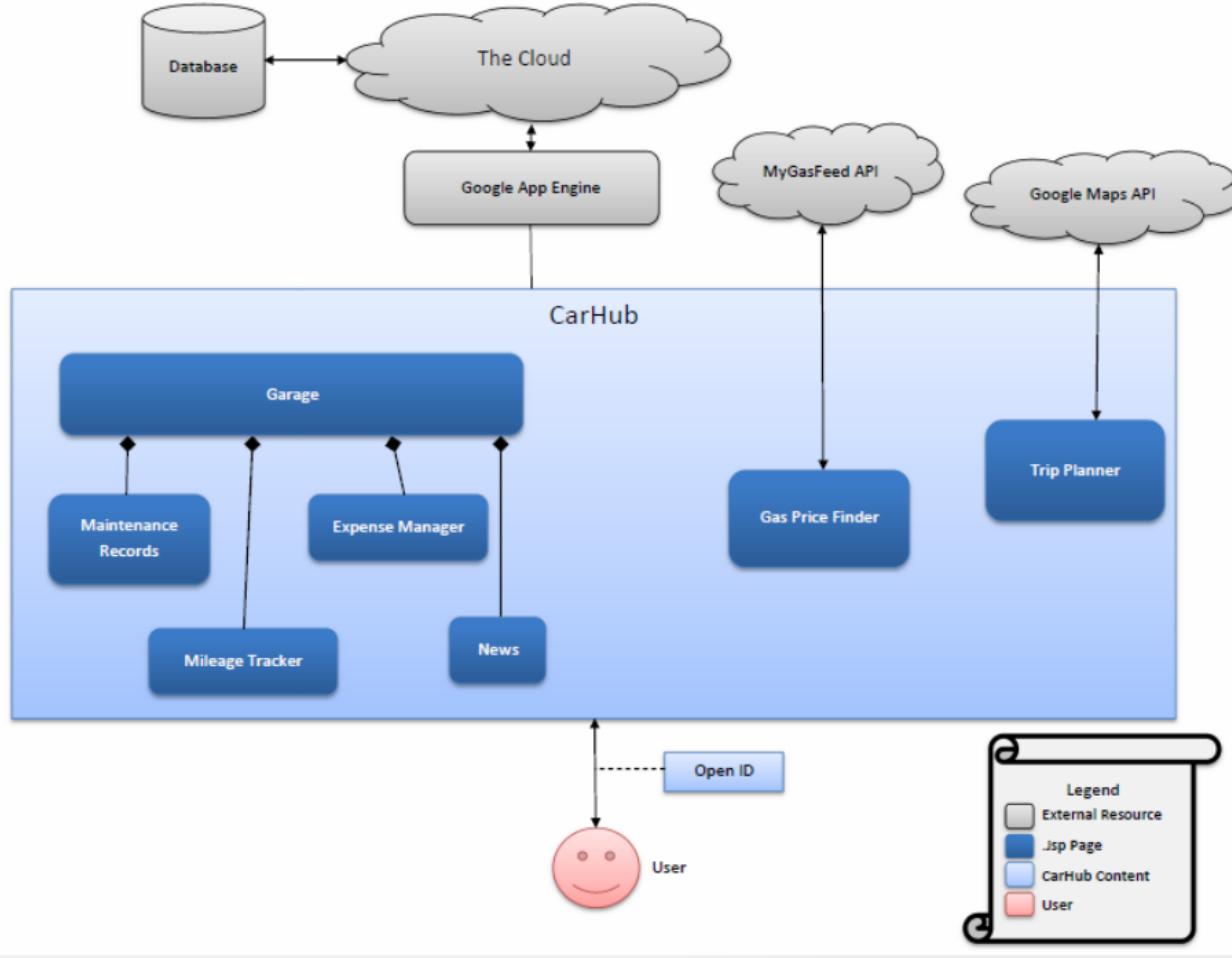


# Languages and Frameworks

- 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

**CarHub** Garage ▾ Tools ▾ Notifications 2 ▾

NAVIGATE  
Garage  
Add Vehicle

**Your Garage**

TODD: 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	<a href="#">Picture</a>
12/13/2011	\$21.99	Jiffy Lube	3000	3/13/2012	<a href="#">Picture</a>

**Car Washes**

Date	Price	Service Provider	Receipt
3/12/2012	\$9.99	Primp My Ride	<a href="#">Picture</a>

**Add Record**

**Nearby Gas Prices**

Detect my location

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

**Average Gas Mileage**

The graph displays average gas mileage from July 25 to October 3. The Y-axis represents mileage from 32 to 40. The X-axis shows dates: 7/25, 8/1, 8/8, 8/15, 8/22, 8/29, 9/5, 9/12, 9/19, 9/26, 10/3. The mileage fluctuates between 32 and 39 miles per gallon.

# Thank You!