Project Proposal (Group 1) - CarHub

Team Members

Josh Peters
Jamie Kujawa
Brian Reber
Ashley Nelson

Project Overview

The purpose of this project is to demonstrate the team's user interface design skills in the form of an automotive web application. This will be a simple, easy-to-use web site that users will be able to interact with to seamlessly manage and find the latest information about their vehicles.

Target User

This website is intended to be used by the average user looking to keep track of his/her car. Our goal is to make the website user friendly so that anyone is able to use it and make it accessible from anywhere via our web interface. Having this website operational will benefit the average user by allowing them to accurately see everything that has happened in their car's lifetime and track the amount of money spent towards the car.

List of Deliverables/Scope of Project

- Secure user login
- Able to choose multiple cars per user
- Upload receipts/maintenance records
- Gas mileage tracker
- Track amount spent on vehicle (per year, per month, etc)
- Estimate cost of gas for trip
- Alert user to recalls and news related to saved vehicles
- Display user data in the form of graphs and charts
- Nearby gas price information
- Reminders for oil changes and other recurring services

Group Member Responsibilities

Brian/Josh:

- User Login
- Able to choose multiple cars per user

- Upload receipts/maintenance records
- Display user data in the form of graphs and charts
- Nearby gas price information

Ashley/Jamie:

- Gas mileage tracker
- Track amount spent on vehicle (per year, per month, etc)
- Estimate cost of gas for trip
- Alert user to recalls and news related to saved vehicles
- Reminders for oil changes and other recurring services

List of Framework/Language to be used

- Google App Engine
- Java Servlets
- JSP pages
- Javascript
    - jQuery (http://jquery.com/)
    - Twitter Bootstrap (http://twitter.github.com/bootstrap/)
    - Google Charts? (https://developers.google.com/chart/)
- Android (Potentially...)

Timeline

Sep 2 - 8

- Implement basic site template to start from
- Set up Google App Engine
- Pull Make and Model data from Cars.com
- Enable Google log-in
- Project proposal

Sep 9 - 15

- Team members become familiar with all tools being used

Sep 16 - 29

- Allow user to add vehicles to their account
- Pull city and highway fuel economy info
- Pull gas price info based on location
- Obtain distance in miles between two locations

Sep 30 - Oct 6

- Get feed of vehicle-related news
- Supply form for user to enter mileage, maintenance, and recurring reminders

Oct 7 - 13

- Add purchase manager with categories and date filtering capability
- Make form for user to fill out purchase information
    - Allow user to upload picture of receipt within form

Oct 14 - 20
- Implement graphs based on purchase and mileage data

Oct 21 - 27
- Choose color scheme and site-wide design components
- Design master template

Oct 28 - Nov 3
- Design home page
- Design purchase manager page

Nov 4 - 10
- Design mileage and maintenance tracking page
- Design trip planning page

Nov 11 - 17
- Testing and finishing any remaining requirements.

Nov 18 - 24 (Thanksgiving break)

Nov 25 - Dec 1
- Finalize project