

PROG 245 – Final Project Description

Overview: Create an ASP.Net website program that

- 1) Reads in vehicle data from a local database and plots to Google Maps and MSChart.
- 2) Connect to a web service (provided) and plot the 3 vehicles to Google Maps

To be demo'd in class on Monday, April 9.

Must Contain:

- Master with three content pages
- File picker dialog that allows user to choose database file
- Plots data to Google Maps with either single dots or continuous lines (radio button choice)
- Plots vehicle data to Chart with the option to turn any data set on or off (display only speed for example)
- Allow “live view” where your program retrieves current GPS data from a Web Service (to be discussed in class) and displays the current location of three different vehicles, each with its own unique icon. Updates should occur every 10 seconds with your program polling the web service for GPS information. Data format will be defined and web service will be provided.
- Two additional pages must be present
 - 1) An instruction page with user instructions. Should include “Accordion” style control
 - 2) An “About” page with website developer information including picture and your bio

Overall Look: must contain CSS and AJAX components and formatting features for a proper looking, professional website.

Requirement	Potential marks	Given marks
Master with 3 content pages	5	
Appropriate amount of CSS	5	
File Picker dialog	5	
Plot data file(s) to Google Maps	20	
Plot the speed, RPM and fuel economy to a chart or multiple charts	20	
Live view of 3 vehicles	25	
Instruction page	10	
About page	10	
Total	100	

Extra challenge: Clicking on any entry on the chart should display the corresponding location on the map