1. The problem

People don’t know when to change the oil in their car, what type of oil is recommended, or where to get the cheapest oil.

1. Why solve

Because premature engine failure can easily be avoided by frequent oil changes with the correct type and weight of oil

1. Current solutions? What's wrong/how would improve

The current solution would be to write it down somewhere, but research would be needed to find the correct type and weight of oil. My solution would offer to store the date of the last oil change, the type and weight of oil, and the next recommended interval based solely on the car’s year, make, and model.

1. Preliminary interface design

A modular design similar to my midterm that would allow the user to enter multiple cars, and be able to select the car model from a dropdown menu. The application would then show the recommended weight and type of oil to use, as well as the recommended interval. The data would be stored as cookies so the user could come back to the page at any time to see when their next oil change should be.

1. "Architecture": expected technologies

Im expecting to use HTML, CSS, Javascript, and most likely JQuery

1. Anything else you find relevant

If time allows, I will figure out how to interface with Amazon to find the current price of oil for the specified type and weight of the oil needed. I will show the best product with a URL to Amazon. If I can determine if an item is on sale I will factor that into the recommended choice.

Realizing that most people don’t change their own oil. I might change the amazon integration with a search for the cheapest oil change service for the given oil requirements.