# Proposal for Web Application Frameworks Project

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| Working Title : | Used Car Spring Graph |

## Overview

The aim of the Used Car Spring Graph project is, assuming a user is searching a site for used cars, to present this user with a more dynamic representation of the choices available to them, in terms of Make, Model, Fuel Type, Mileage, Colour etc.

## Target group

The Application is aimed at people searching for a particular type of vehicle on the web.

## Functionality

The available vehicles will be displayed to the user in such a way as to make it easier for them to narrow down their choices without having to read through the specifications of numerous vehicles, when there might in fact, be only two or three vehicles that meet the criteria.

## Implementation

The application will be implemented using Ruby on Rails, using a MySQL database, JavaScript, JQuery, JSON and, most importantly a library of files known as Arbor. Arbor is a relatively new opensource set of libraries which enable a developer to present data on the screen using SpringGraphs.

## Mock-up

It is planned that when a user searches for Cars they will be presented with a graph looking something like the one below, offering the option of Petrol or Diesel cars, clicking on either of these to icons will then expand the options to include the sizes of engines available, followed then by actual images of the vehicles available for the selection chosen, a final element of the graph presented to the user will be that an image’s distance from the nucleus will correspond exactly with the mileage on this vehicle. In other words, the vehicles with the lowest mileage will be closest to the nucleus and those with the highest mileage will be furthest.



## Summary

This application of the Spring Graph API’s to this particular scenario should, if implemented correctly and as planned, make the experience of searching for any product a much more dynamic, interactive and visually interesting for the user.