Assignment

## Best way to run app

1. Using command line go to folder containing “server.js”
2. Enter “npm install” to install dependencies
3. Enter “nodemon server”
4. Open browser and enter “localhost:3001”

# Approach

## JavaScript Framework

AngularJS

**Why:** Experience in AngularJS and with the creation of Single Page Applications (SPAs)

## Getting Data from API

Using JSONP to get data straight from the data source

**Why:** To allow the ability to get data from an external site

## D3

D3 was used with Angular directives to create and display charts

**Why:** Previous experience using D3 on other projects

## Factories

Factories were used to get data from the API and manipulate this data so it was displayable in charts

## Creating Deep linking

ngRoute was used to create deep links using routing in AngularJS

## HTML5 History API

History API was used to create a object containing information about the last driver information viewed. This feature was included so that if the user refreshs the browser the information is still viewable.

## Gulp and Npm scripts

Gulp was used for minify of CSS and for other tasks that could be run through the task runner.

## Local Host Server

Local host server using Node and Express

**Why:** To allow the ability to test the History API

# Blockers

## Unit Testing

The main block centred around unit testing. This is a concept which I had recently began including in my development process. I tried to ensure that the code was easily testable but ran out of time to fully implement this feature. With more time this is the feature that I would have spent the most time improving.

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