

# TRIVUL



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<http://cameron.shaw.yoobee.net.nz/TRIVUL/index.html>

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Tourism New Zealand works with the tourism industry to positively promote New Zealand internationally. They have a new campaign that is aimed at visitors staying for short periods, arranging their own transport.

I will be creating a single page web application that allows users to input information and find appropriate transport options based on their travelling options.

Tourists planning their trip to New Zealand will visit this website in order to plan their route and transport they will be taking.



# Use case diagram.

Users of Trivul will in most scenarios be tourists from overseas looking at organising their trip in New Zealand.

ENTER WEBSITE

TYPE IN POINT OF ORIGIN AND  
DESTINATION INTO THE INPUT FIELDS

SELECT THE NUMBER OF PEOPLE THAT WILL  
BE ON THE TRIP

SELECT THE AMOUNT OF DAYS YOU WOULD  
LIKE TO SPEND ON THE TRIP

CLICK SUBMIT TO PROCESS YOUR  
SELECTIONS

BROWSE THE APPROPRIATE VEHICLE  
OPTIONS AND SELECT THE OPTION YOU  
WOULD LIKE

THE CALCULATED HIRE COSTS AND FUEL  
USAGE WILL BE DISPLAYED ON SCREEN

BROWSE THE ROUTE ON THE MAP OF NEW  
ZEALAND

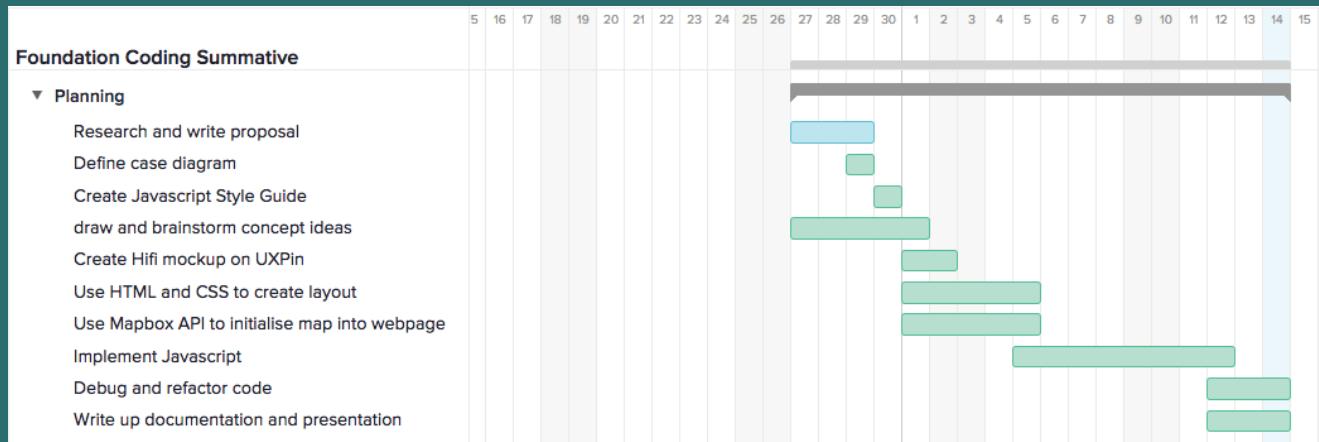
# Deliverables.

FUNCTIONAL / \*CROSS BROWSER WEBSITE APPLICATION

RESPONSIVE WEBSITE BUILT FOR DESKTOP BUT COMPATIBLE TO IPHONE 7 PLUS AND IPAD

A JAVASCRIPT STYLE GUIDE

# Timeline.



\*tested on Google chrome and Mozilla Firefox

# Style Guide.

## VARIABLE NAMES

camelCase for identifier names (variables and functions).

All names start with a letter.

## SPACES AROUND OPERATORS

Always put spaces around operators (= + - \* /), and after commas:

## STATEMENT RULES

Always end a simple statement with a semicolon.

## OBJECT RULES

Place the opening bracket on the same line as the object name.

Use colon plus one space between each property and its value.

Use quotes around string values, not around numeric values.

Do not add a comma after the last property-value pair.

Place the closing bracket on a new line, without leading spaces.

Always end an object definition with a semicolon.

## FILE EXTENSIONS

HTML files have a .html extension

CSS files have a .css extension.

JavaScript files have a .js extension.

# Libraries and Plugins.

## Jquery

Jquery was used to make the job of writing out javascript simpler and more efficient

## Tipr

Tipr is a jquery plugin to make the process of creating tooltips for a webpage much easier

## Particles.js

My website felt quite flat so I used a particle plugin to create another visual element on my webpage. Particles.js gives the form more depth and more interesting to look at.

## Mapbox API

Mapbox API was used to incorporate a dynamic 3D map into my website. It allowed me to style the map of NZ with appropriate colours and allowed me to tap into the directions API to gather data to calculate the users trip with.

# Quality assurance.

To assure my code was of a high quality level I adhered to these points:

- Followed my style guide
- Used the browser developer tools to debug my code when there was an issue
- Used a Javascript linting tool to pick up on any errors while coding.
- Used an industry standard text editor (sublime text 2)

# Production tools.

- Sublime text 2	Used for all coding purposes of the project
- Google Chrome developer	To inspect and debug code
- Koala	To compile CSS
- Gulp	Automatic page refresh, JS linting
- Github	Project hosting and storage
- Adobe Illustrator/ Photoshop	Creation of documents and presentation images
- Terminal	Access Gulp and Github
- UXPin	for prototyping and concepts

# Execution.

I think I adhered to my timeline quite well however there were a few aspects which didn't go as planned:

I think I spent a bit too long on the UI aspect of my website, considering that this project is not getting marked on the HTML or CSS more time spent refactoring JavaScript code could have been more beneficial in the long run. I didn't get in as much User testing as I would have liked, but then again it would have caused me spend longer on the UI. The Mapbox API proved very difficult to get a grasp of when it came to customisation of there examples, but it was a learning curve considering it's the first API I have ever used. Overall I am very happy with how it turned out, it has been an amazing learning experience and gave me a sense of direction with my career.

