



Web & UX Design

Sam Robertson

# Wanaka<sup>NZ</sup>

## Tourism App Development

# Planning Schedule

Foundation Coding Tourism App ☆ Personal Public SR Invite

**Bugs & Fixes Week 2**

On click event for calculating days was conflicting with onSelect of date picker. Fixed by changing to run after second date has been chosen.

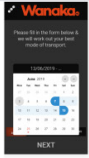


image.png

```
var now = moment(new Date()); //today's date
var end = moment("2015-12-17"); // another date
var duration = moment.duration(now.diff(end));
var days = duration.asDays();
console.log(days)
```

Fixed by using moment.js to find new date and end date

**Bugs & Fixes Week 3**

image.png

Day Cost undefined  
Days Travel: 0  
TotalCost NaN  
undefined  
0  
undefined  
4  
1  
4  
Day Cost undefined  
Days Travel: 4  
TotalCost NaN  
Day Cost: 120  
Days Travel: 4  
TotalCost 516

image.png

Distance coming back with to many decimal places. used fixed to round to only 2 decimals.




image.png

**Week 1 - Research & Development**

Market Research and Persona  
Jun 19

Proposal > Creating diagram/lo-fi for user experience  
Jun 20

Complete Proposal  
Jun 21

+ Add another card

**Week 2 - Design Concepts & Coding**

Design Concept App (hi-fi) Layout & Styles  
Jun 24

Layout & Styling  
Jun 24

Markup javascript/jquery logic & Coding  
Jun 25

Complete Code & Test  
Jun 28

+ Add another card

**Week 3 - User Test & Documentation**

User Test App  
Jul 1

Fix any bugs/make possible styling changes  
Jul 2

Prepare Documentation & Presentation  
Jul 4

Present  
Jul 6

+ Add another card

+ Add another list



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# LoFi Prototype

- Initial Prototype layout & function

I used sketch for initial barebone design concepts and user flow.

1 Days Travel

2 Days Travel

3 Days Travel

4 Days Travel

5 Days Travel

6 Days Travel

Car Rental Calculator

Please fill in the form below & we will work out your best mode of transport.

First Name

Last Name

How many travellers?

Days you will be travelling?

Fill in the above info to proceed

1 Person

2 People

3 People

4 People

5 People

6 or more

Car Rental Calculator

Please fill in the form below & we will work out your best mode of transport.

John

Doe

2 People

5 Days

NEXT

Car Rental Calculator

Thanks John Doe.

The best modes of travel for you are listed below. Please select your preferred vehicle.

Small Car ( 1 to 2 people)

(\$129/day 9.5L/100km) MORE INFO

Large Car ( 1 to 5 people)

(\$144/day 9.7L/100km) MORE INFO


Motor Home ( 2 to 6 people)

(\$144/day 9.7L/100km) MORE INFO


NEXT

Car Rental Calculator


Vehicle Options



2006 - 2012 models  
Auto, 1.5 - 1.8 litre  
5 x seatbelts  
2 large, 3 small bags



2009 - 2013 models  
Auto, 1.4 litre  
5 x seatbelts  
2 large, 1 small bag




2008 - 2014 models  
Auto, 1.2 - 1.4 litre  
5 x seatbelts  
1 large, 1 small bag

NEXT

Car Rental Calculator

Estimated Distance (optional)



NEXT



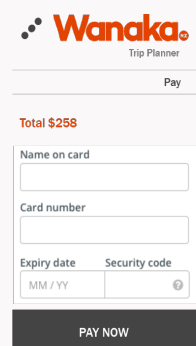
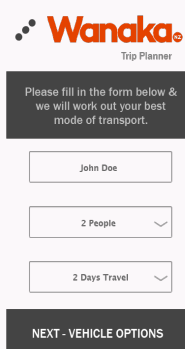
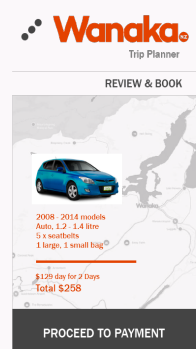
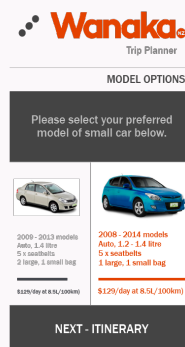
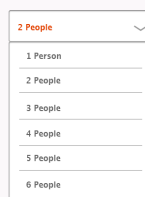
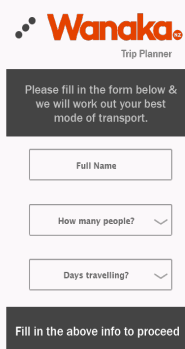
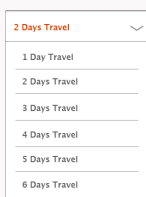
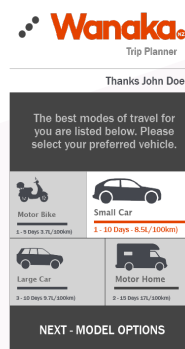
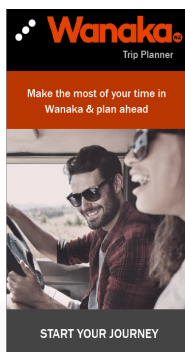
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# Final Prototype

- Final Prototype layout & function

I used sketch for the final prototype & user testing.





## Design Tools

- Sketch

I used sketch for loFi & hiFi design concepts along with prototyping and style changes.

- Adobe Illustrator

Illustrator was mainly used for vector graphics (icons & buttons) in svg or png format.

- Adobe Photoshop

Photoshop was mainly used for manipulating photo images (background image)

## Development Tools

- Vs Code

I used Vs Code extensively throughout the project. Mainly for HTML/CSS & Javascript code. I also used it to manage the github branch.

- Google Chrome

I used google chrome to test visually & debug css/html & js code through console & source panels.

- Trello

Trello was used for deadlines & task scheduling, aswell as bug testing & documenting.



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# JavaScript Library

- JQuery

## 3rd Party Js Plugins

- Credit Card JS Form
- Leaflet Map
- Leaflet Measure Path
- Light Pick Date Picker



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# Validation

## - HTML

### Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

#### Showing results for contents of text-input area

Checker Input

Show ☒ source ☐ outline ☐ image report [Options...](#)

Check by ☒ text input ☐ CSS

```
<!-- js scripts -->
<script src="js/script.js"></script>    <!-- main script for navigation and layout purposes -->
<script src="js/tripCalculator.js"></script>    <!-- trip calculator script (days,people,fuel consumption,pricing etc) -->
<script src="js/map.js"></script>    <!-- map js for plotting trip script -->

<!-- google cdn scripts -->
<script src="https://maps.googleapis.com/maps/api/js?key=AIzaSy0kntmtQzCjjfGQAJiHVKc8egAsUBUKc&callback=initMap" async defer></script>    <!-- google map cdn for map distances etc -->
<!-- <script src="http://ajax.aspnetcdn.com/ajax/jquery.validate/1.14.0/jquery.validate.js"></script>
<script src="jquery.mask.js"></script> -->

</body>
</html>
```

[Check](#)

Use the Message Filtering button below to hide/show particular messages, and to see total counts of errors and warnings.

[Message Filtering](#)

Document checking completed. No errors or warnings to show.

#### Source

```
1. <!DOCTYPE html>↵
2. <html lang="en">↵
3.   ↵
4.   <head>↵
5.     <meta charset="UTF-8">↵
6.     <meta name="viewport" content="width=device-width, initial-scale=1">↵
7.     <link href="https://fonts.googleapis.com/css?family=Heebo:100,300,400,500,700,800,900&display=swap" rel="stylesheet">↵
8.     <link rel="stylesheet" href="http://yui.yahooapis.com/pure/0.6.0/pure-min.css">↵
9.     <link rel="stylesheet" href="https://unpkg.com/leaflet@1.3.3/dist/leaflet.css" />↵
10.    <link rel="stylesheet" href="styles/styles.css">↵
11.    <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.8.2/css/all.css" integrity="sha384-oS3vJWv+0UjzBfQzYUhtDTW+Pj2yciDJXpsK10YPAYjqT085"
12.    <title>Wanaka Trip Planner</title>↵
13.  </head>↵
14.  <body>↵
15.  ↵
16.  </body>
```

Showing result....html ^

6f376f1d9e.png ^





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## Final Product

The Wanaka Trip Adviser app uses a slide down wizard section with multiple layers. Guiding you through the process to finding the most cost effective vehicle for you. I manipulated the DOM using jquery to both for the transitions and calculator.



<http://sam.robertson.yoobee.net.nz/Wanaka%20Tourism%20Trip%20Adviser%20App/index.html>