NEW ZEALAND
TOURISM

Travel
Companion

WEBSITE PROPOSAL
Designed and Developed by Sumitra Manga
4th June 2018 - 5th July 2018
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CONTENTS

OVERVIEW

CLIENT

Tourism New Zealand are an organisation which promotes New Zealand internationally to gain more tourism and growth to the economy. With an arrival of 3.7 million visitors each year, Tourism New Zealand take upon the responsibility to ensure New Zealand is remained attractive to travellers of kind.

REQUIREMENTS

- Create a single page web application in which users can input their options

- Be responsive for tablet and desktop

- Validate the information provided and give meaningful feedback if the validation is correct or incorrect

- User should be able to see the results of all their options selected

- No errors occur in the console

TRAVEL COMPANION

In order to continue this success with a one page app.

This is where Travel Companion will solve all tourists problems for booking accommodation within Auckland. By filling in their details on the app, users will be presented with a range of accommodation options via an interactive map for them to view and book. In addition to this, users will get a summary of their options and accommodation along with the total cost of everything.
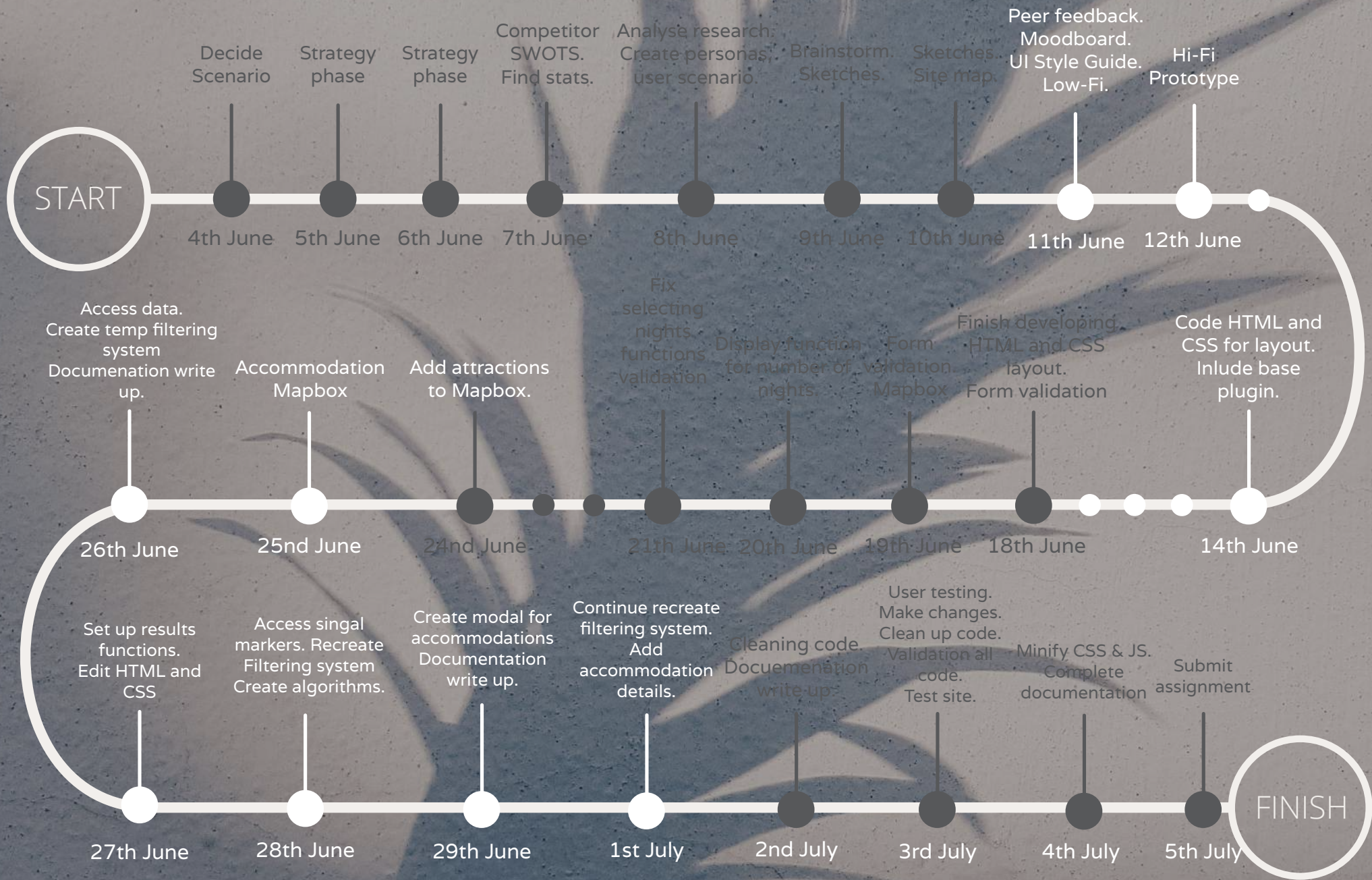
LINKS

TRELLO BOARD (planning): https://trello.com/b/W2z61o2V

GITHUB REPO: https://github.com/sumitramanga/Travel-Companion

LIVE SITE: https://sumitramanga.github.io/Travel-Companion/index.html

TIMELINE

START

- **4th June** — Decide Scenario
- **5th June** — Strategy phase
- **6th June** — Strategy phase
- **7th June** — Competitor SWOTS. Find stats.
- **8th June** — Analyse research. Create personas, user scenario.
- **9th June** — Brainstorm. Sketches.
- **10th June** — Sketches. Site map.
- **11th June** — Peer feedback. Moodboard. UI Style Guide. Low-Fi.
- **12th June** — Hi-Fi Prototype

- **26th June** — Access data. Create temp filtering system. Documenation write up.
- **25nd June** — Accommodation Mapbox
- **24nd June** — Add attractions to Mapbox.
- **21st June** — Fix selecting nights functions validation
- **20th June** — Display function for number of nights.
- **19th June** — Form validation Mapbox
- **18th June** — Finish developing HTML and CSS layout. Form validation
- **14th June** — Code HTML and CSS for layout. Inlude base plugin.

- **27th June** — Set up results functions. Edit HTML and CSS
- **28th June** — Access singal markers. Recreate Filtering system Create algorithms.
- **29th June** — Create modal for accommodations Documentation write up.
- **1st July** — Continue recreate filtering system. Add accommodation details.
- **2nd July** — Cleaning code. Docuemenation write up
- **3rd July** — User testing. Make changes. Clean up code. Validation all code. Test site.
- **4th July** — Minify CSS & JS. Complete documentation
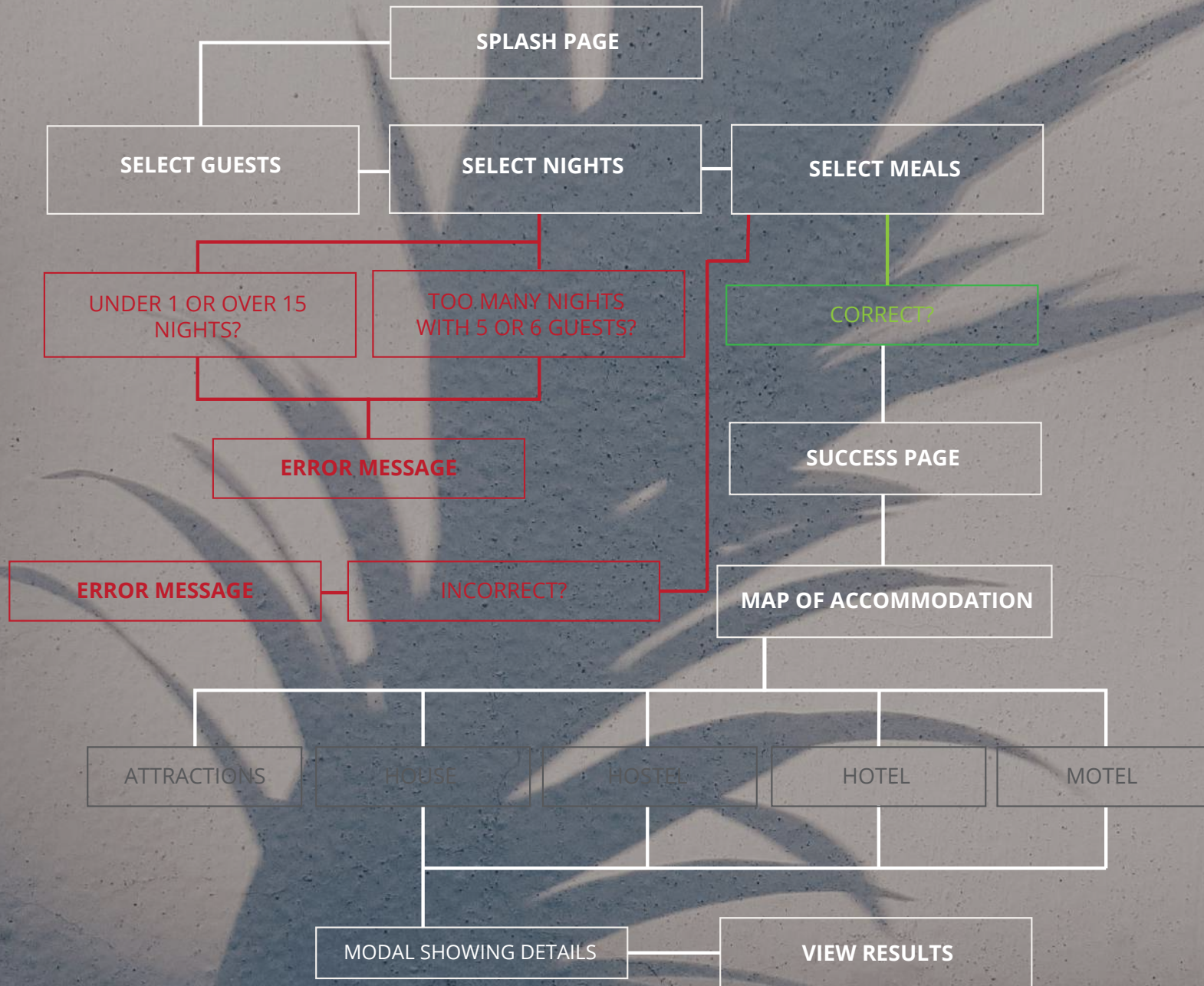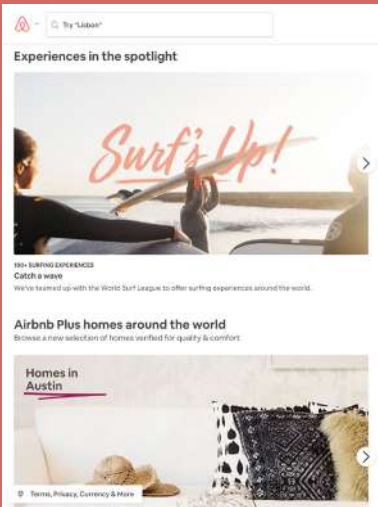- **5th July** — Submit assignment

FINISH

DELIVERABLES

- Create the template of the app (the base) which has a consistent theme throughout all sections

- Have a form that validates whether the inforamtion is correct or incorrect and show the user this

- Display attractions near by the accommodation on the map to give the user ease of where and who to book their accommodation with

- Show where accommodation is avaliable based on the information the user has submitted via an interactive map

- Output the results to show the user what they have selected and to help confirm that the details are correct

BUSINESS STRATEGY

The business strategy that needs to approached is to continue the tourism market within New Zealand. Making sure that people continue to travel for holiday purposes or even business purposes needs to be shed light on as it makes up for the largest earner of foreign exchange. Making sure consumers have a easy painless journey from the start of making the travel plans to the end of their journey in New Zealand is something we'll focus on with this app. Also making sure that commuters/local travellers will be needed to focus on as they also help shape the economy today. If this were to be successful, we will then look further into adding more features such as completing the booking on the app.

USE CASE DIAGRAM

SPLASH PAGE

SELECT GUESTS   **SELECT NIGHTS**   **SELECT MEALS**

UNDER 1 OR OVER 15 NIGHTS?   TOO.MANY NIGHTS WITH 5 OR 6 GUESTS?   CORRECT?

ERROR MESSAGE   **SUCCESS PAGE**

ERROR MESSAGE   INCORRECT?   **MAP OF ACCOMMODATION**

ATTRACTIONS   HOUSE   HOSTEL   HOTEL   MOTEL

MODAL SHOWING DETAILS   **VIEW RESULTS**

MOOD BOARD

Travel Companion

Travel Companion is an app to find accommodation within Auckland. Travel Companion is an app to find accommodation within Auckland. Travel Companion is an app to find accommodation within Auckland.

NEW ZEALAND TOURISM
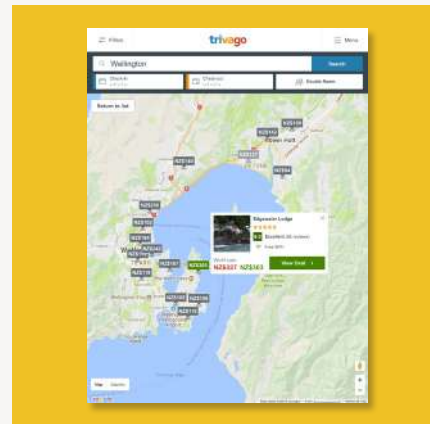
A clean simple mood board was created to reflect the app's friendliness whilst staying modern and professional. Inspiration for the app was taking from existing accommodation related wesbites such as Airbnb and Trivago. The clean pure look gives off a luxurious feel which is to entangle our audience who are self-indulgent.

UI AND CODE STYLE GUIDE

App Logo

Heading 1

Heading 2

Body copy. Body copy. Body copy. Body copy. Body copy. Body copy.

Heading 1

Heading 2

Body copy. Body copy. Body copy. Body copy. Body copy. Body copy.

Normal

Hover

Active

Input Style

CODE STYLE GUIDE

- Single quotation marks

- camelCasing when assigning names to variable and other elements

- Indentation is created using tab key

- All variable names start with a letter

- Scripts are external

- Code is well commented to explain the functions

- Gulp has been used as a linting tool

- Logically named functions

FEEDBACK, USER TESTING AND VALIDATING CODE

FEEDBACK

I have received feedback from my initial sketches for the app. I had chosen the sketches which were more preferred and I was suggested to have a success page which showed that after the details are filled out the user can feel a sense of relief that they can now browse for accommodation.

USER TESTING

ASSINGED TASKS:

- Navigate through the entire app

- Be able to view their results

The user testing participant likes the colours fonts, buttons are visible, and how easy it is to navigate. The participant felt that the colour of the error messages clashed with the with the background colour. They

suggested to have a pop-up or to change the colour though they felt the colour was appropriate for its use. I changed the colour to a much brighter red that stand out. Another problem the participant had was getting confused when filling in the details as the arrow buttons stayed. Due to the amount of the time I was unable to fix this even though it was apart of my prototype. They also like the shadows on the map and the box as they feel it is less flat. Another thing I had noticed was that the laptop screen size did not fit the content of the screen. I had created a media query to fix this issue.

VALIDATING CODE

I have validated HTML and CSS using the W3C validation site. Both are clear of errors although the HTML displays warnings. One of which is the script type being

unnecessary. This is due to the fact that the validator is validating to the HTML5 standards. I have kept the script type in case it is needed as we were taught in class to use this attribute. The other warning is that a h3 tag is empty. This element is empty as it is reserved for Javascript manipulation. After the user has selected an accommodation type, the Javascript manipulates the element to display the name of the chosen accommodation.

The Javascript was validating through Gulp using the linter whilst coding the app.

Javascript Libriries

MAPBOX

https://www.mapbox.com/

The API Mapbox is used to show accommodations via a map with markers locating where each accommodation is located along with their details.

JQUERY

 https://jquery.com/

jQuery was used to add functionality to the interface as well as click event. jQuery was also used in conjunction with other plugins such as pagePiling.

BOOTSTRAP

https://getbootstrap.com/

Bootstrap version 4.0 was used to create modals for the help section and and view an accommodation choice. Bootstraps form validation was applied to the inputs on the app which shows useful messages when the information provided was incorrect. The grid system was also used within one area of the app which is to inline the logo and "Start over" button.

FLAT ICON

https://www.flaticon.com

Flat Icon was used to for the UI pins on the Mapbox markers.

FONT AWESOME

https://fontawesome.com/

Font Awesome is used throughout the app to replace words with icons within the splash page and results page to create a positive and friendly approach for the UI of the app.

MAKI ICONS

https://www.mapbox.com/maki-icons/

Maki Icons are a library installed within Mapbox. These icons were used to mark down attractions within Auckland.

PLUGINS

NODE.JS

https://nodejs.org/en/

I have used node.js to test out Javascript within terminal on data which I have created. This was tested through console.log and creating if statements to access properties of objects.

GULP

https://gulpjs.com/

I have used gulp to reduce key strokes when refreshing the page. This means that gulp is "watching" the certain files to invoke a live loader. Gulp was also used as a linter for the custom Javascript file, complier for the SASS, and minify the custom CSS.

PICKADATE.JS

http://amsul.ca/pickadate.js/date/

pickadate.js was used for the UI component for the app. This is so users can engage with the app by interacting with it instead of having to type in the date.

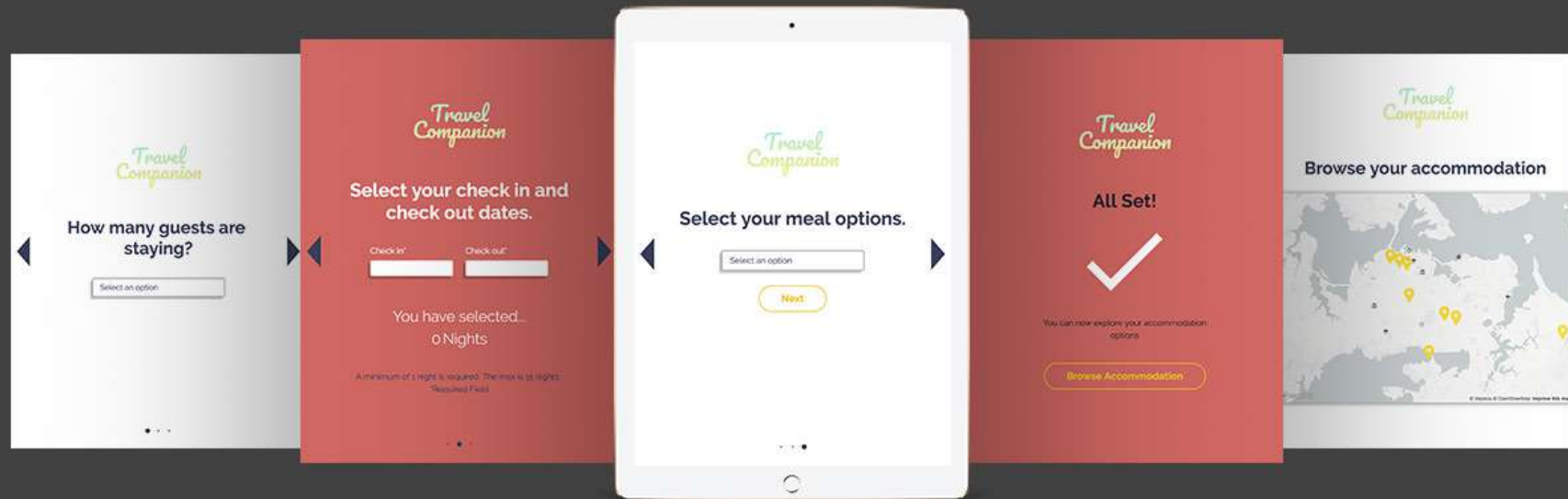### PAGEPILLING.JS

https://alvarotrigo.com/pagePiling/

pagePiling.js was used for the UI side of the app as well. This plugin adds a modern touch to a flat app. Flowing smoothly through each section and slide of the app, this plugin keeps users interested throughout using this Travel Companion.
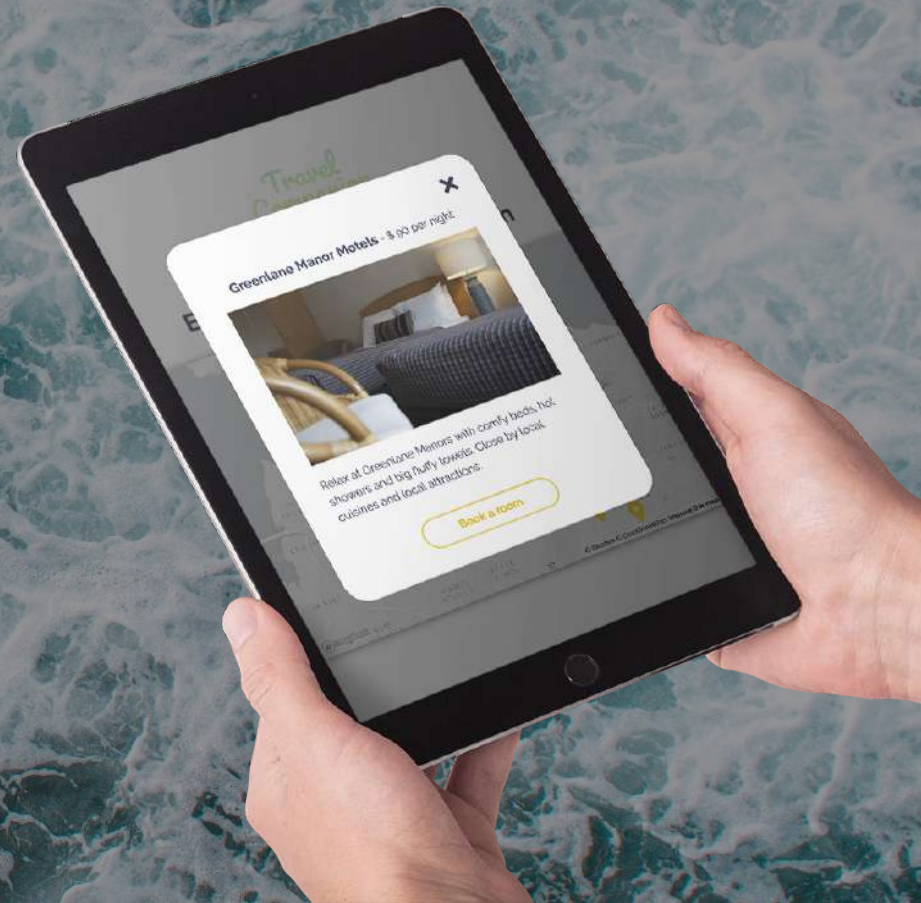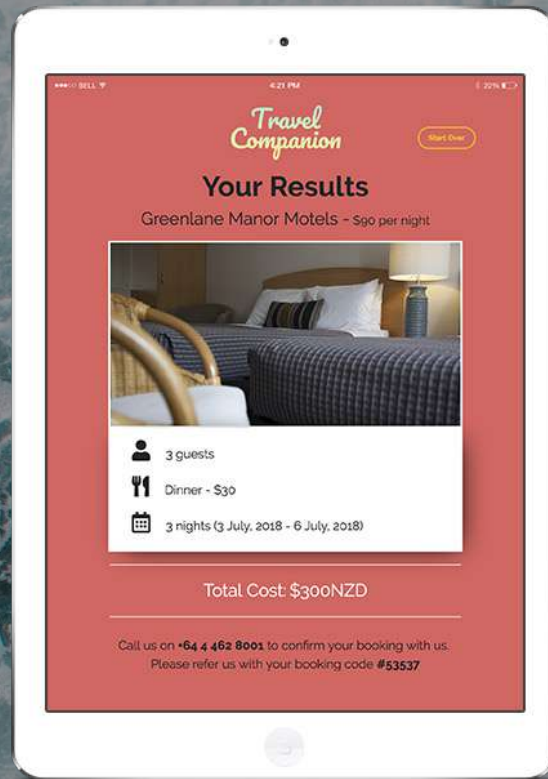
Final mock up

REFERENCE

IMAGES AND MEDIA USED IN THE APP

IMAGES

CONTEMPORARY VILLA:
https://www.airbnb.co.nz/
rooms/21718157?location=Auckland%20
Central%2C%20
Auckland&s=k7m2H0xj&guests=1&adults=1

HOWICK LUXURY LARGE HOME ROOM:
https://www.booking.com/hotel/nz/howick-
luxury-large-home-auckland.en-gb.html

MILLENNIUM HOTELS ROOM: https://www.
millenniumhotels.com/en/auckland/grand-
millennium-auckland/#behavior=stopBack

BEST WESTERN ELLERSLIE ROOM: http://www.
bestwesternellerslie.co.nz/

GREEN LANEMANOR ROOM: https://www.
greenlanemanor.co.nz/deluxe-king-studio-
jetted-tub/

AIRPORT HARBOUR VIEW MOTEL ROOM:
http://www.airportharbourview.co.nz/
accommodation.html

BROWN KIWI TRAVELLER ROOM: https://
www.booking.com/hotel/nz/brown-kiwi-
travellers-hostel.en-gb.html

OAKLANDS ROOM: https://www.
oaklandslodge.co.nz/gallery?gclid=CjwK
CAjwmufZBRBJEiwAPJ3Lplv6ElUQ9DaQ
N7FfCavidn4JzLG0l047wh14-2sFNPQis-
lYlWILiBoCTJMQAvD_BwE

MEDIA

SPLASH PAGE VIDEO OF RUNNER IN SHORE:
https://pixabay.com/en/videos/runner-
shore-coast-coastline-10809/