

**Absolutely Positively
Wellington City Council**

Me Heke Ki Pōneke

WEB AND UX DESIGN

DATA VISUALISATION

SUMMATIVE ASSESSMENT

PRESENTATION

PRESENTED BY:
JESSE WALSH | DUKE APELINGA | JORDAN PAESE

Scenario:

Place finder app for a city council

Your local city council has contracted your team to build a single page application (SPA) that will allow visitors to the region to use a map-based interface to easily find destinations such as motels, restaurants and scenic spots.

The user should be able to:

- view destinations
- learn more about a destination
- have the option to go to that destination's website
- search destinations by category
- find the way to the destination from their current location on a mobile device
- visualise destinations based on the number of Instagram posts or Twitter mentions
(this can be hard-coded into the JSON data)

The city council don't yet have destination data available so you should provide placeholder data (for real destinations in your region) in the meantime. The council would like to make the code for this project available to the open source community but in doing so require the project to build without errors.

Prerequisites

- Google API key

Group:

Jesse Walsh / Team leader, Javascript.

Duke Apelinga / HTML, SASS, CSS.

Jordan Paese / Javascript

Technical requirements:



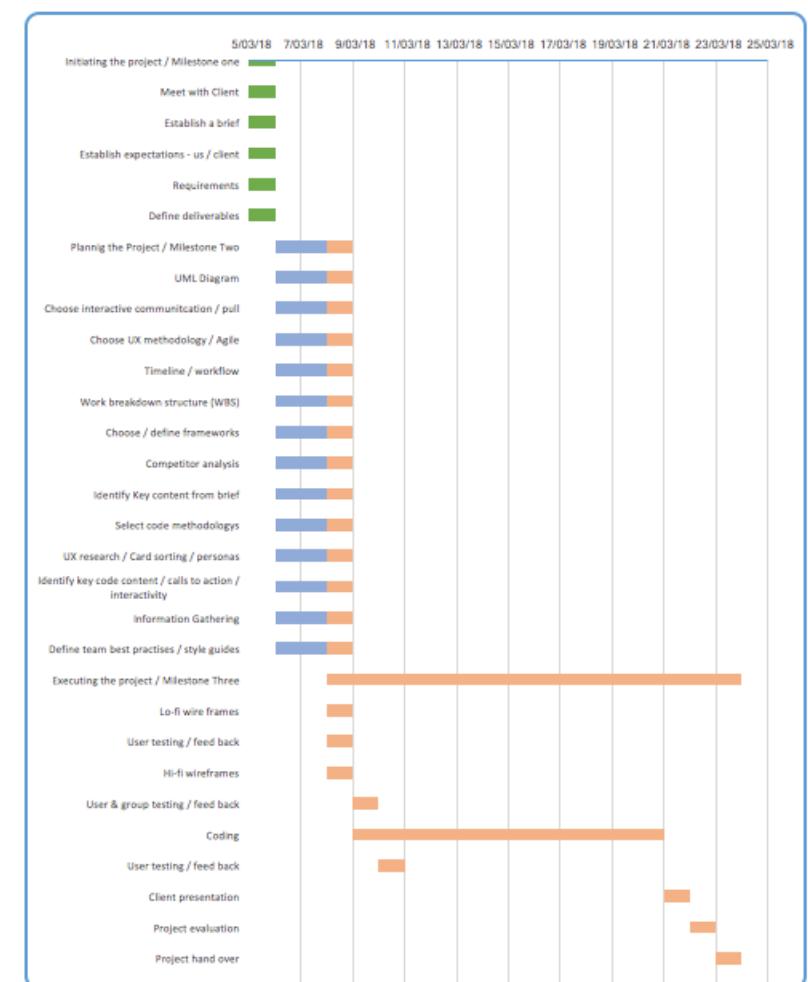
Project management:

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Task Name	Start Date	End Date	Duration (Days)	Days Complete	Days Remaining	Percent Complete	Members
Initiating the project / Milestone one	5/03/18	6/03/18	1	1.00	0.00	100%	
Meet with Client	5/03/18	6/03/18	1	1.00	0.00	0%	All
Establish a brief	5/03/18	6/03/18	1	1.00	0.00	0%	All
Establish expectations - us / client	5/03/18	6/03/18	1	1.00	0.00	0%	All
Requirements	5/03/18	6/03/18	1	1.00	0.00	0%	All
Define deliverables	5/03/18	6/03/18	1	1.00	0.00	0%	All
Planning the Project / Milestone Two	6/03/18	9/03/18	3	2.00	1.00	0%	
UML Diagram	6/03/18	9/03/18	3	2.00	1.00	0%	Jesse
Choose interactive communication / pull	6/03/18	9/03/18	3	2.00	1.00	0%	All
Choose UX methodology / Agile	6/03/18	9/03/18	3	2.00	1.00	0%	All
Timeline / workflow	6/03/18	9/03/18	3	2.00	1.00	0%	Jesse
Work breakdown structure (WBS)	6/03/18	9/03/18	3	2.00	1.00	0%	Jesse
Choose / define frameworks	6/03/18	9/03/18	3	2.00	1.00	0%	All
Competitor analysis	6/03/18	9/03/18	3	2.00	1.00	0%	Jordan
Identify key content from brief	6/03/18	9/03/18	3	2.00	1.00	0%	All
Select code methodologies	6/03/18	9/03/18	3	2.00	1.00	0%	All
UX research / Card sorting / personas	6/03/18	9/03/18	3	2.00	1.00	0%	Jesse
Identify key code content / calls to action / interactivity	6/03/18	9/03/18	3	2.00	1.00	0%	All
Information Gathering	6/03/18	9/03/18	3	2.00	1.00	0%	Jordan
Define team best practices / style guides	6/03/18	9/03/18	3	2.00	1.00	0%	Duke
Executing the project / Milestone Three	8/03/18	24/03/18	16	0.00	16.00	0%	
Lo-fi wire frames	8/03/18	9/03/18	1	0.00	1.00	0%	Duke
User testing / feed back	8/03/18	9/03/18	1	0.00	1.00	0%	All
Hi-fi wireframes	8/03/18	9/03/18	1	0.00	1.00	0%	Duke
User & group testing / feed back	9/03/18	10/03/18	1	0.00	1.00	0%	All
Coding	9/03/18	21/03/18	12	0.00	12.00	0%	Duke / Jesse / Jordan
User testing / feed back	10/03/18	26/03/18	1	0.00	1.00	0%	All
Client presentation	21/03/18	22/03/18	1	0.00	1.00	0%	All
Project evaluation	22/03/18	23/03/18	1	0.00	1.00	0%	All
Project hand over	23/03/18	24/03/18	1	0.00	1.00	0%	All
Closure	23/03/18	24/03/18	1	0.00	1.00	0%	

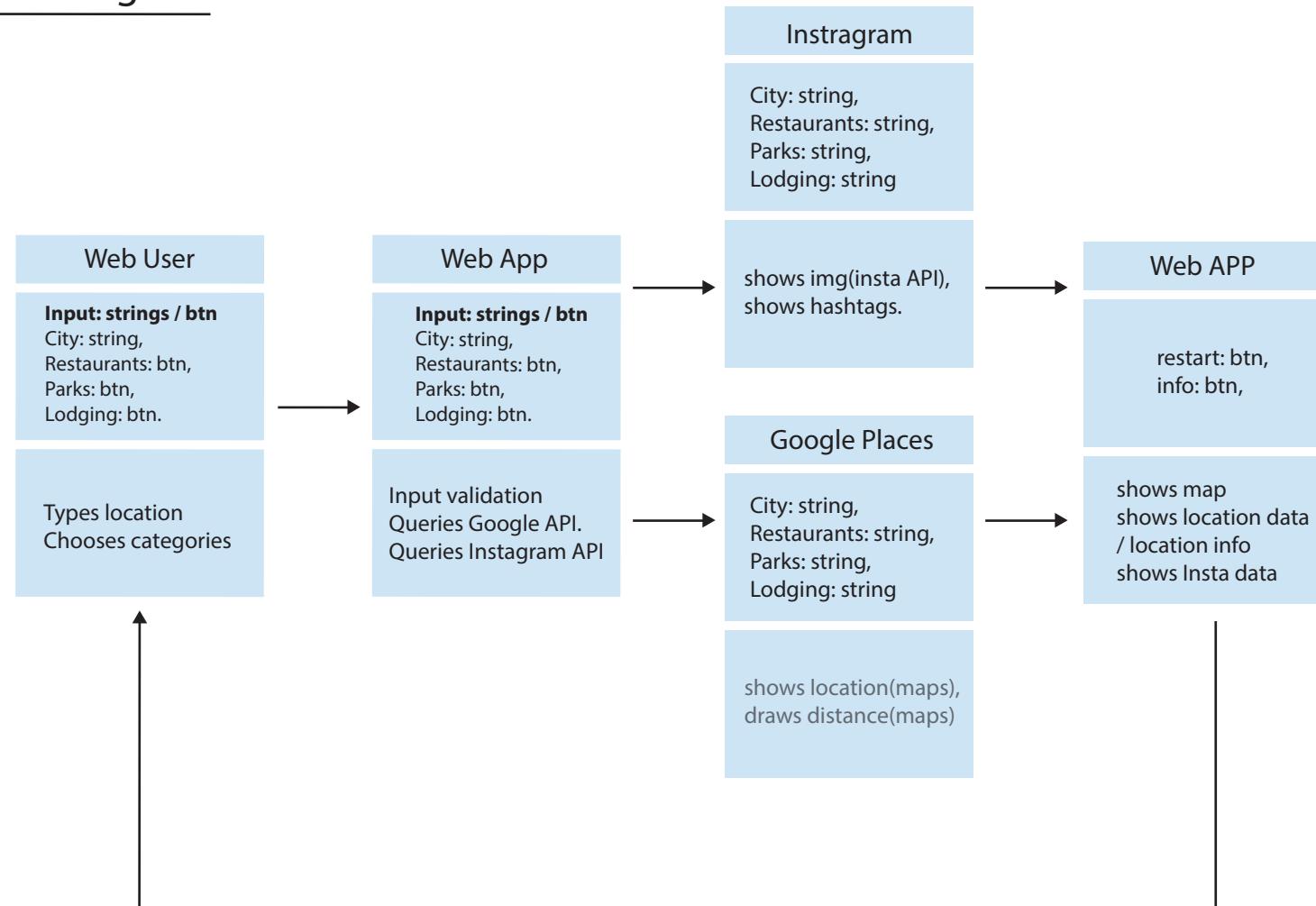
Start Date in Number Form **43164.0**

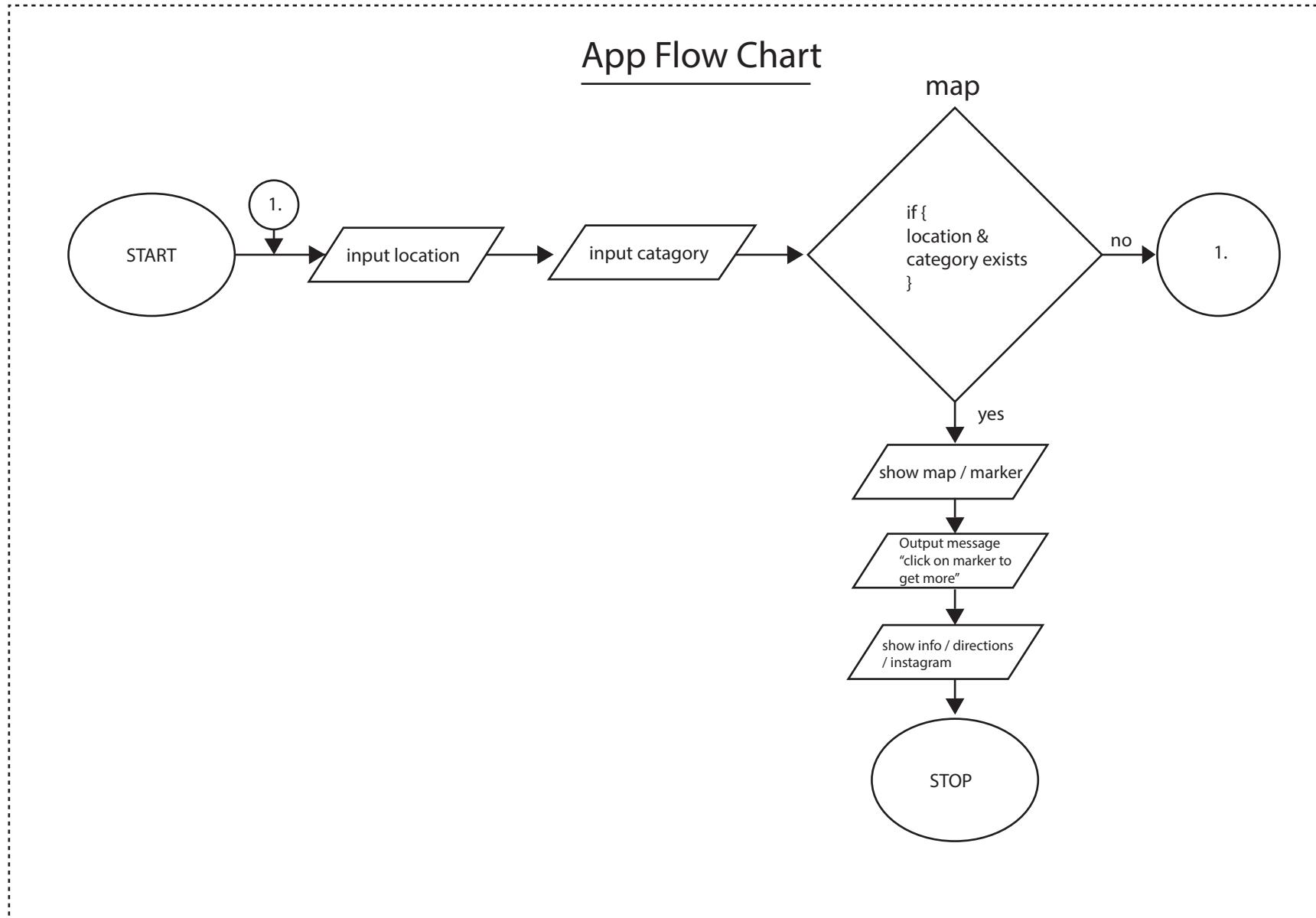


UML

Diagrams

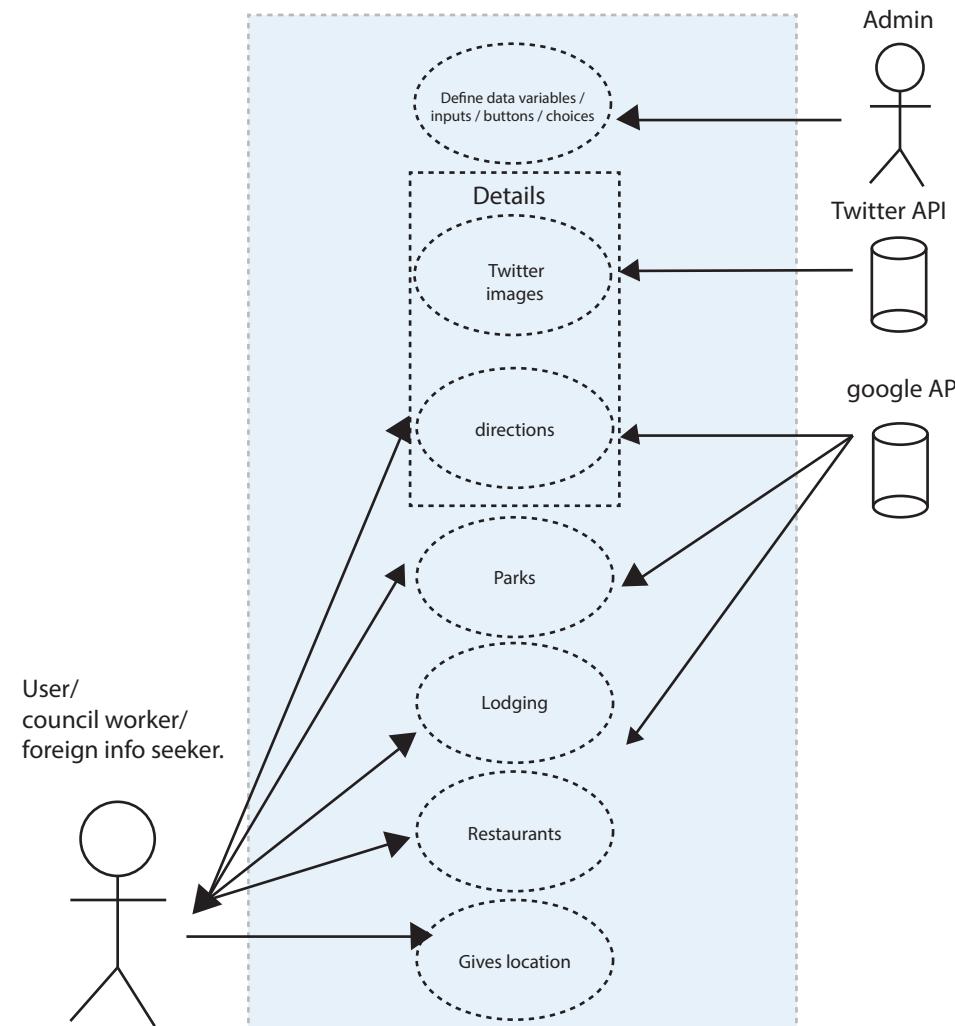
Class diagram





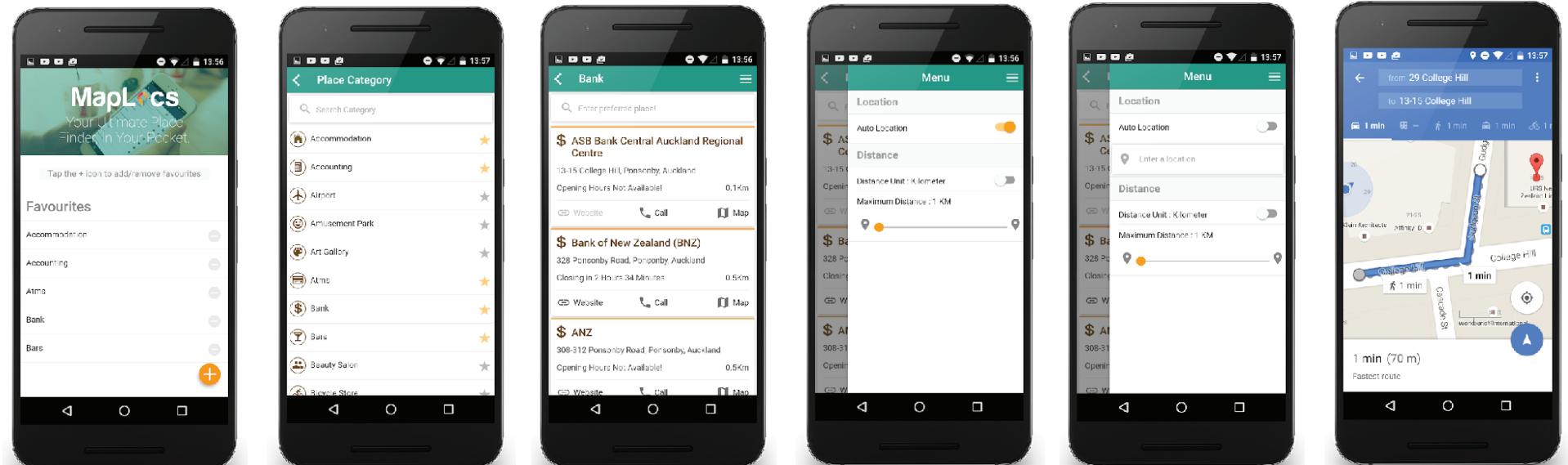
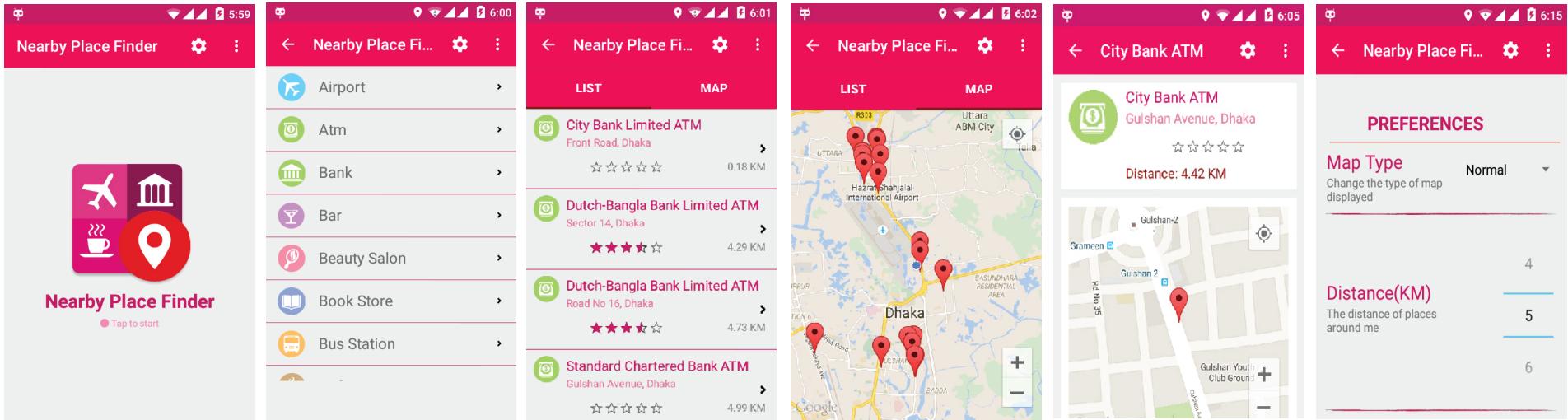
Use case

Webb app



Competitor Analysis

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Lean Persona - Lucy Garland



wingardium leviosa

Age: 41
Work: Internet technologies
Family: Single.
Location: Wellington
Character: Traveller

Personality

Introvert	Extrovert
Thinking	Feeling
Sensing	Intuition
Judging	Perceiving

Goals

- Travel the world.
- Increase knowledge in general.
- Be more environmentally conscious.

Frustrations

- Waste and disposable items.
- accumulation and clutter of too many material items.
- Running out of time.

Motivation

Incentive	High
Fear	Medium
Growth	High
Power	Medium
Social	Low

Brands & Influencers



Preferred Channels

News Papers	Low
Online & Social Media	High
Referral	High
Guerrilla Efforts & PR	Medium

Bio

Living in Wellington she works in IT. She is originally from Auckland. She enjoys reading but as she is travelling. She enjoys experiencing new cultures and ideas is multilingual and very sociable, she uses a variety of apps and tech to help her with her ambitions. Can make friends easily. She does not have much dead time other than when she is travelling to and from a place which is usually when she will read.

Lean persona - Gary Clarke



A quotation that captures this user's personality.

Age: 53
Work: Public Servant
Family: Wife.
Location: Newtown, Wellington.
Character: O

Personality

Introvert	Extrovert
Thinking	Feeling
Sensing	Intuition
Judging	Perceiving

Motivation

Incentive	High
Fear	Medium
Growth	High
Power	Medium
Social	High

Goals

- To travel more on his weekends.
- Gain alternative perspectives and knowledge.
- To create and expand networking skills.

Frustrations

- A bad resteraunt.
- Outdated usability.
- Loss of time on old tech.

Preferred Channels

Traditional Ads	Low
Online & Social Media	High
Referral	Medium
Guerrilla Efforts & PR	Low

Bio

Gary works for the ministry of business and innovation. He's in an admin role so does not take his work home with him, this leaves him with his evenings to spend with his wife and passions. He enjoys travelling and eating out, he lives in a small apartment in the city so does not have a large kitchen to cook in. He uses his phone mostly to find and explore things on the net and has many apps on his phone for different tasks.

Javascript Style Guide

Naming conventions:

All names start with a letter.
Camel case naming conventions for variables and functions.
Avoid single letter names, be descriptive with naming.

Spaces around operators:

Always put spaces around operators and after commas (eg. var x = y + z;)

Code indentation:

Tabs will be used for indenting

Statement rules:

Always end a simple statement with a semicolon (eg. var value = [1, 2, 4, 7];).
Complex statements do not end with a semicolon and make sure the closing bracket is on a new line.

Objects:

Opening bracket on the same line as the object name.
Use quotes around string values.
No comma after the last property.
Closing bracket on a new line.
End object with a semicolon.

Strings:

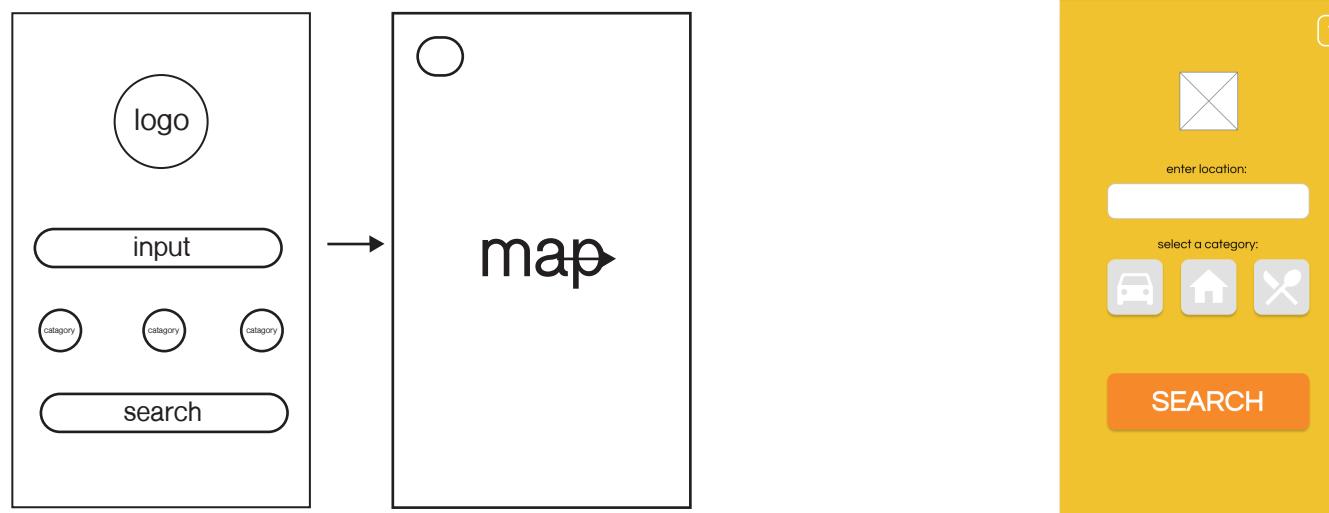
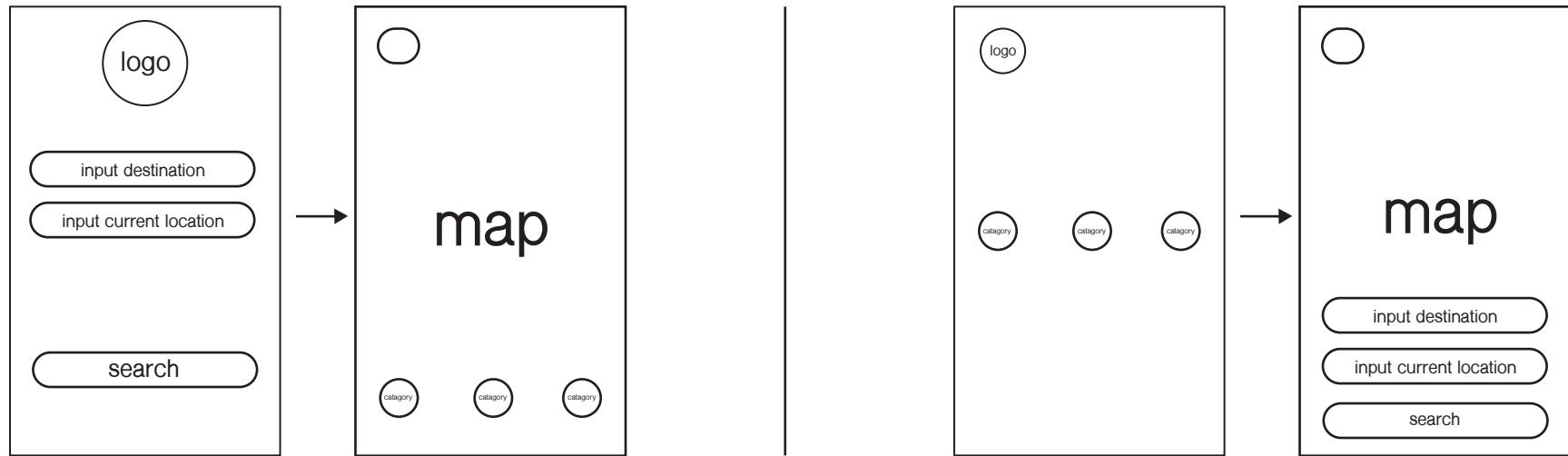
Use single quotes for strings (eg. var name = 'john'

Comments:

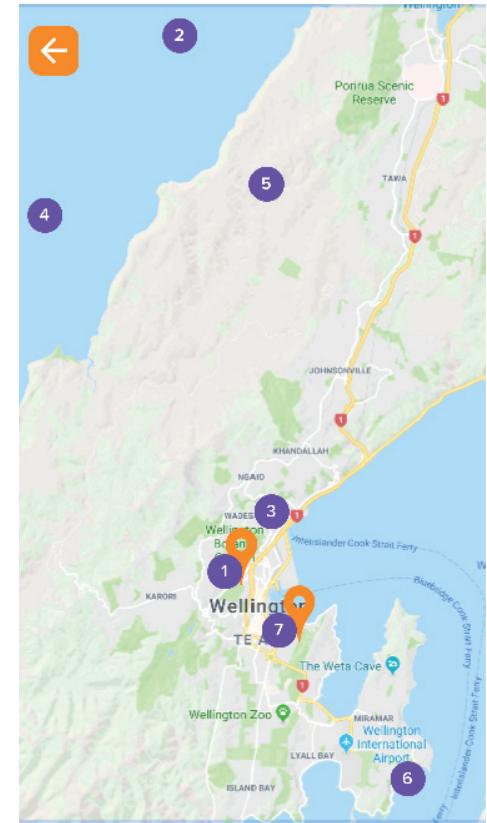
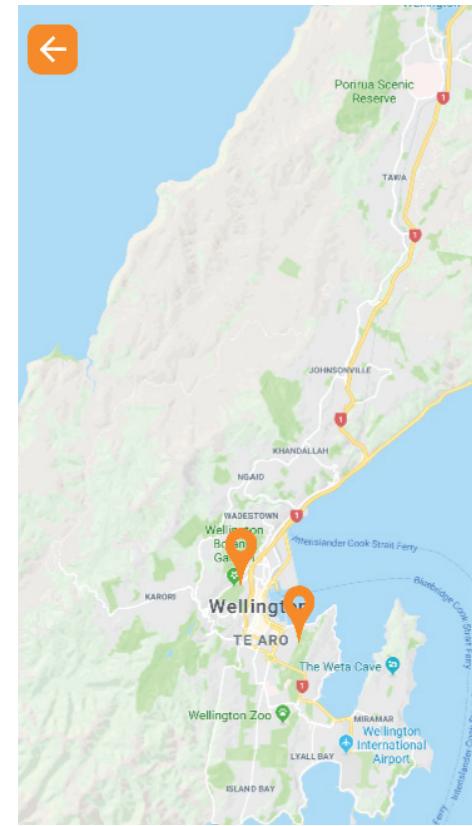
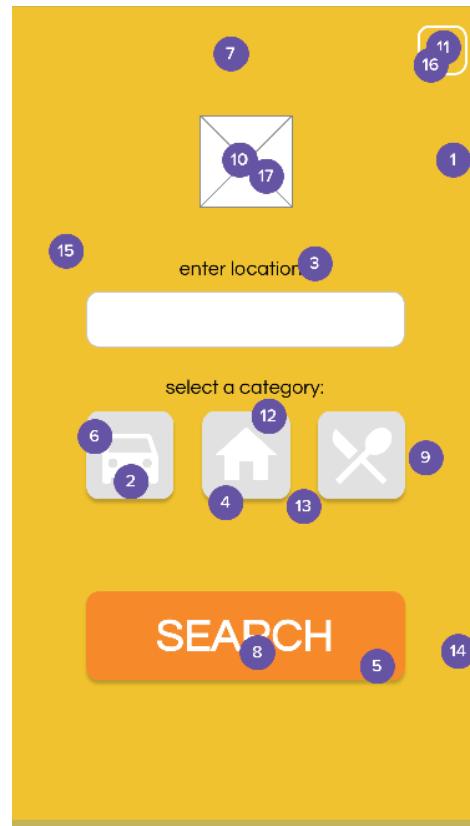
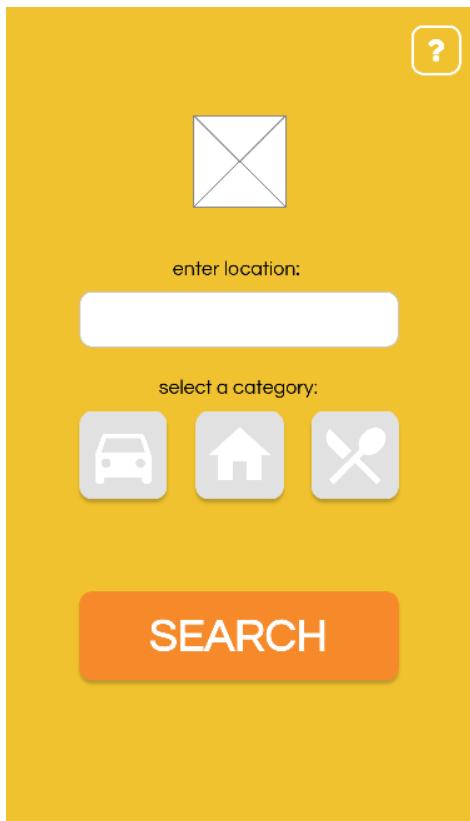
Use comments to define what a function does and end it with its name. eg:

```
// get foo from bar
function foo(){
  bar.array;
}
// /foo
```

Lo fi / Hi fi wireframes:



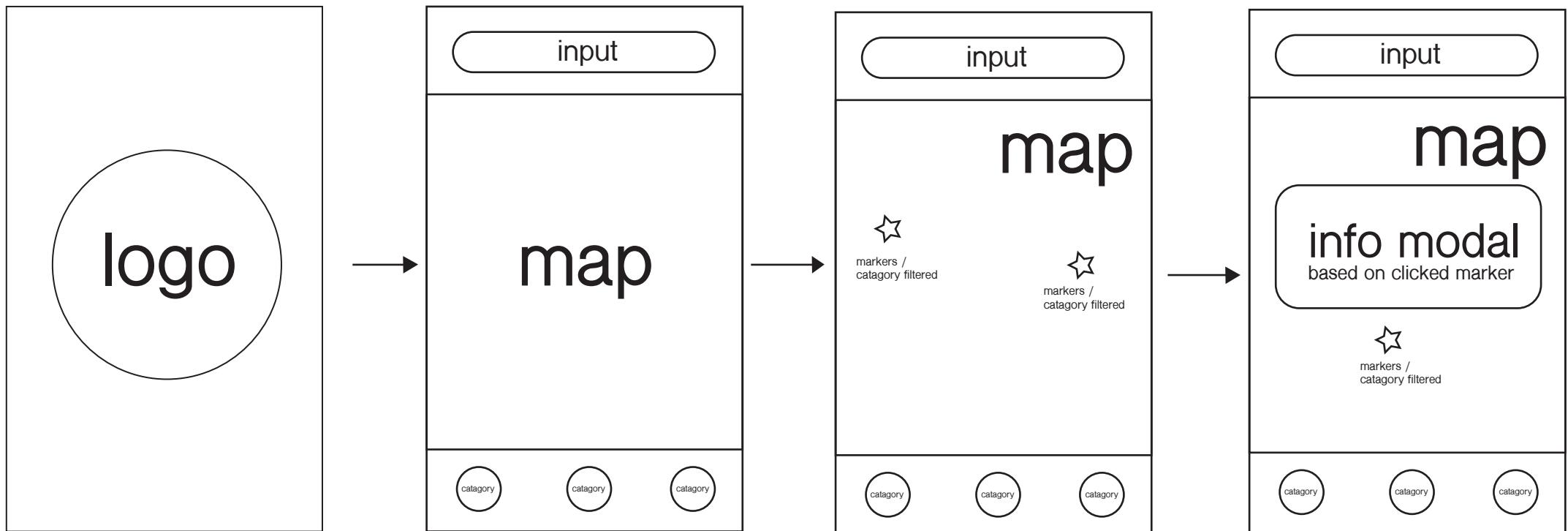
USER TESTING/ FEEDBACK



Redesign wireframes:

Based on user testing results.

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Logo concept / design:



Glyph

Qq

Characters

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z a b c d e f g h i j k l
m n o p q r s t u v w x y z 1 2 3 4 5 6 7 8 9 0 ' " ! " (%) { # } { @ } / & \ < - +
÷ × = > ® © \$ € £ ¥ ¢ ; : , *

Styles

Type here to preview text

40px

Regular



#EFC22E

Fonts:

Questrial

<https://fonts.google.com/specimen/Questrial>

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ASANA:

The screenshot shows the Asana interface for a project titled "Summative 03". The left sidebar includes "My Favorites" (Summative 03), "Reports", "People" (listing Duke Apelinga, Jesse, and Jordan), "Team Conversations", "Team Calendar", and "PROJECTS" (Summative 03). The main area displays a board view with three columns: "week one: 05/03/18", "week two: 12/03/18", and "Week three: 19/03/18". Each column has a header section with a plus sign for adding tasks and a search bar. Below each header are sections for Monday through Saturday, with a "Weekend" section at the bottom. Each day section contains a summary of tasks and a detailed list below. A "View: All Tasks" dropdown and a "+ Add column" button are located at the top right of the board area.

Slack:

The screenshot shows a Slack interface with a dark theme. On the left is a sidebar with a list of channels and direct messages. Under 'Direct Messages', there is a list of users: slackbot, jesse_bw (you), Beula, ckwan, duke.apelinga, duke.apelinga, jordan, forrest.wilson, jordan, lewis-plumley, louiskelly, and richard hpa. The 'duke.apelinga, jordan' message is selected and highlighted in teal.

The main window displays a direct message between **duke.apelinga** and **jordan**. The message history starts with a note about desktop notifications:

This is the very beginning of your direct message history with [@duke.apelinga](#) and [@jordan](#)

You have not yet allowed desktop notifications. Open the [Preferences Dialog](#) and follow the instructions to set them up.

The conversation begins on Monday, February 19th:

duke.apelinga 2:36 PM: hey jordan and jesse apparently we got put in a group for formative by default because we are all away, or are u guys in a group already?

jordan 2:45 PM: im not in class, i had some things to do but thats alg waggers lol

jesse_bw 9:06 PM: Ok, ill be in tomorrow unless the weather stops wellington from working.

duke.apelinga 9:19 PM: sweet and yea same here the train might stop working bcuz of the weather

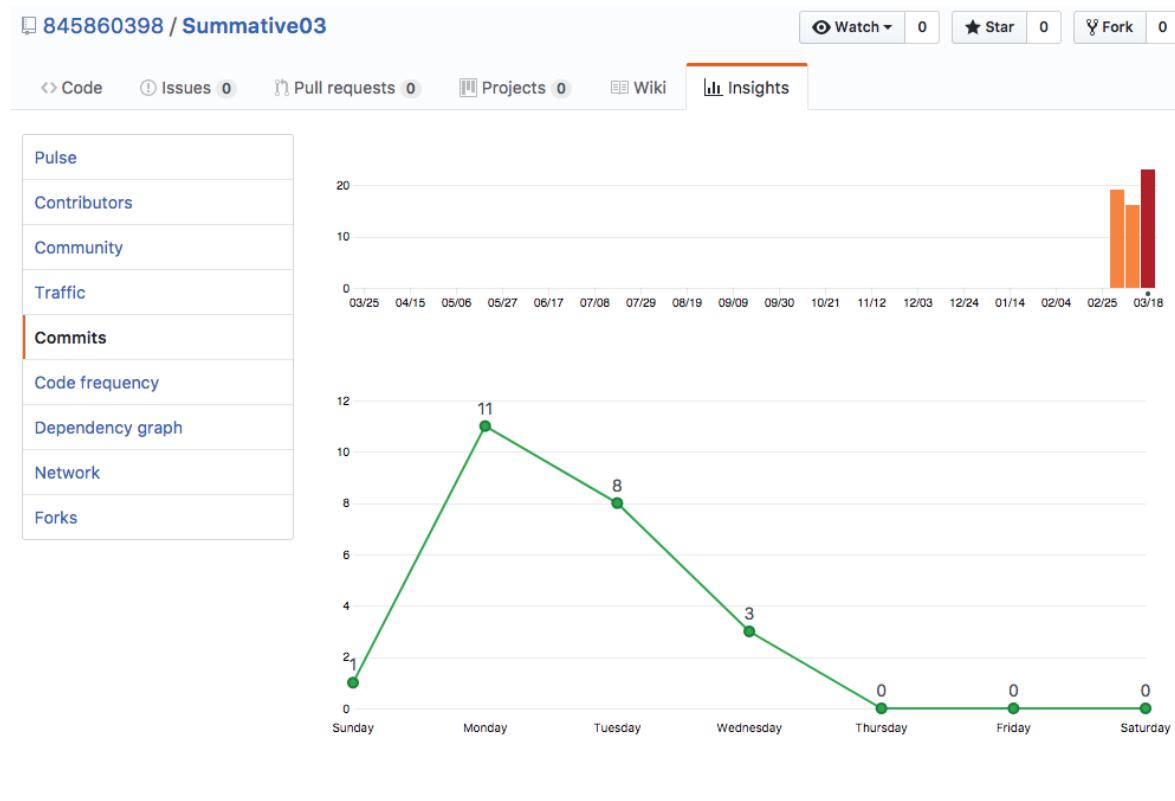
jordan 11:39 PM: till then.

The conversation continues on Tuesday, February 20th:

jesse_bw 12:13 PM: created a repo - <https://github.com/jessebw/17WDWU07JesseJordanDuke>

At the bottom, there is a message input field with the placeholder 'Message duke.apelinga, jordan' and icons for '@' and a smiley face.

Github:

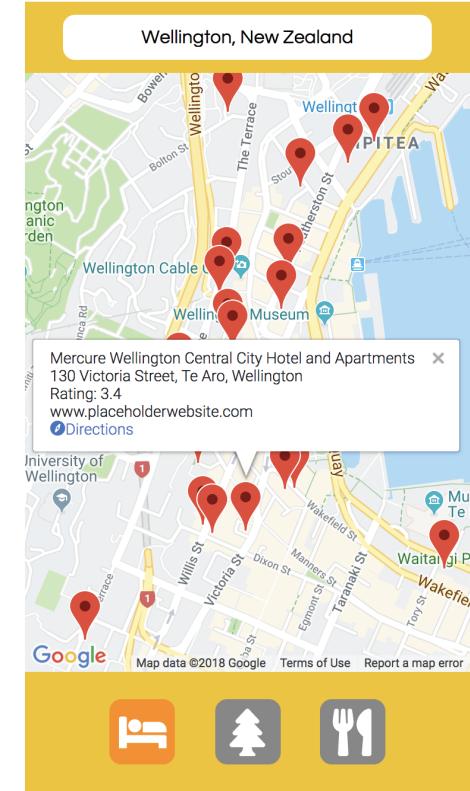
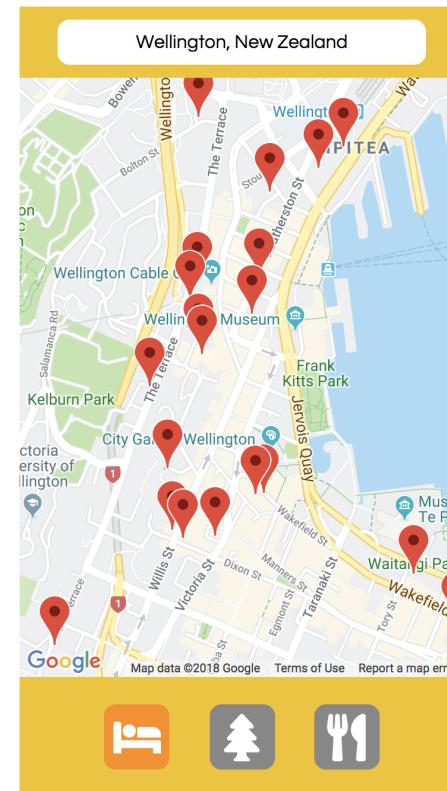
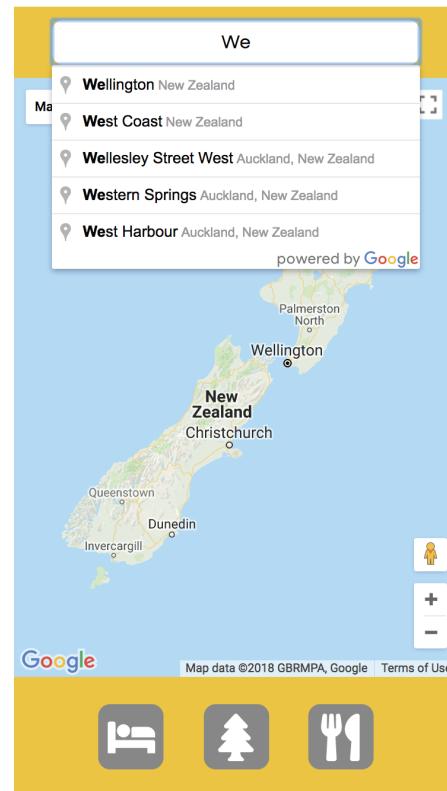


Coding:

```
1 * {
2   margin: 0 auto;
3   padding: 0; }
4
5 #wrapper {
6   width: 375px;
7   height: 667px;
8   margin-top: 1em;
9   position: relative;
10  font-family: 'Questrial', sans-serif; }
11 #wrapper #homepage {
12   position: absolute;
13   height: 100%;
14   width: 100%;
15   z-index: 1;
16   top: 0;
17   background-color: #f1c40f;
18   text-align: center; }
19 #wrapper #homepage img {
20   width: 375px;
21   height: 667px; }
22 #wrapper #homepage #homepage.hide {
23   opacity: 0;
24   height: 100%;
25   width: 1%;
26   transition: all .75s ease; }
27 #wrapper #homepage #intCont {
28   width: 375px;
29   height: 667px;
30   position: absolute;
31   z-index: 2;
32   top: 0; }
33 #wrapper #homepage #intCont #helpButton {
34   width: 40px;
35   height: 40px;
36   border-radius: 10px;
37   background-color: #F1C40F;
38   margin: 10px 10px 10px 325px;
39   display: flex;
40   align-items: center;
41   border: solid 2px white; }
42 #wrapper #homepage #intCont #helpButton .fa-question {
43   width: 20px;
44   height: 20px;
45   color: white; }
46 #wrapper #homepage #intCont .tapCont {
47   width: 375px;
48   height: 607px; }
```

```
1 // console.log('A');
2
3 // global variables
4 var input = $('#formInput')[0];
5 var submitBtn = $('#submitBtn')[0];
6 var radioBtnOption = $('.radioBtn')[0];
7
8 // google maps init
9 function initMap(){
10
11
12
13
14  var mapDiv = $('#map')[0];
15  var startLocation = {lat: -41.6965833, lng: 172.8771047};
16  var map;
17  var apiKey = 'AIzaSyCyqxMkhc31hKFwW7etsYUkj4Poa00nSoo';
18
19  // landing map
20  map = new google.maps.Map(document.getElementById('map'), {
21    center: startLocation,
22    zoom: 5
23    // disableDefaultUI: true
24 }); // /map
25
26  // assigning to radios/
27  var accom = $('#changetype-lodging')[0];
28  var parks = $('#changetype-park')[0];
29  var rest = $('#changetype-restaurant')[0];
30
31  // grab elements from dom
32  var infowindowContent = $('#infowindow-content')[0];
33
34  // google infowindows
35  var infowindow = new google.maps.InfoWindow();
36
37  // init google auto complete
38  var autocomplete = new google.maps.places.Autocomplete(input);
39
40  // set auto complete for only NZ values
41  autocomplete.setComponentRestrictions({'country':['nz']});
42
43  // move map to where autoComplete value is
44  autocomplete.bindTo('bounds', map);
45
46
47  var marker = new google.maps.Marker({
48    map: map,
49    anchorPoint: new google.maps.Point(0, -29)
50}); // this is ok
```

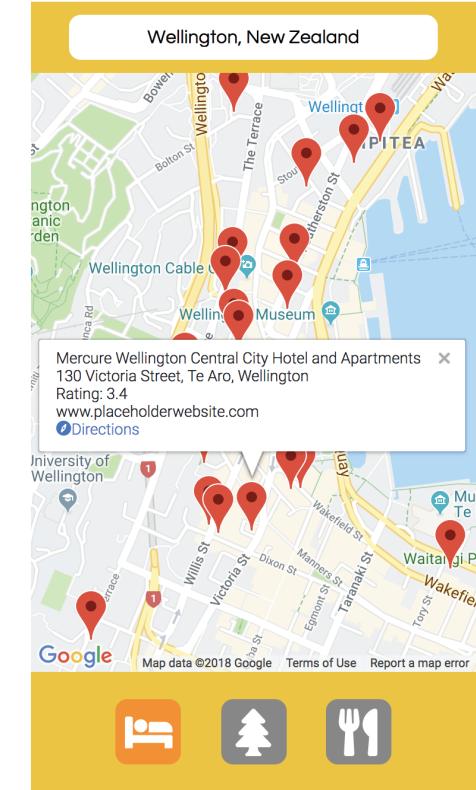
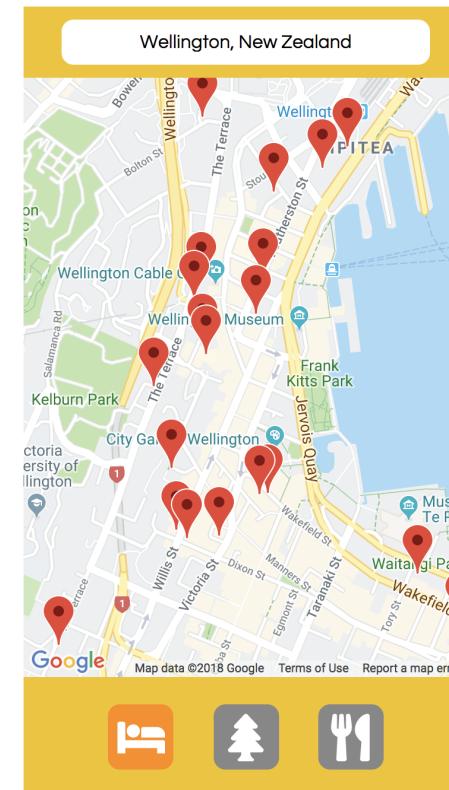
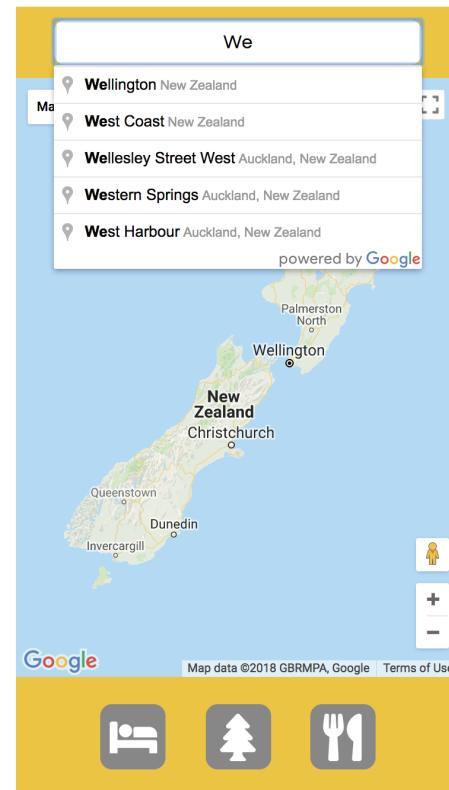
More User Testing:



Final App

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Github Repository:

<https://github.com/845860398/Summative03>