



# Internal Document for Accommodation Booking App

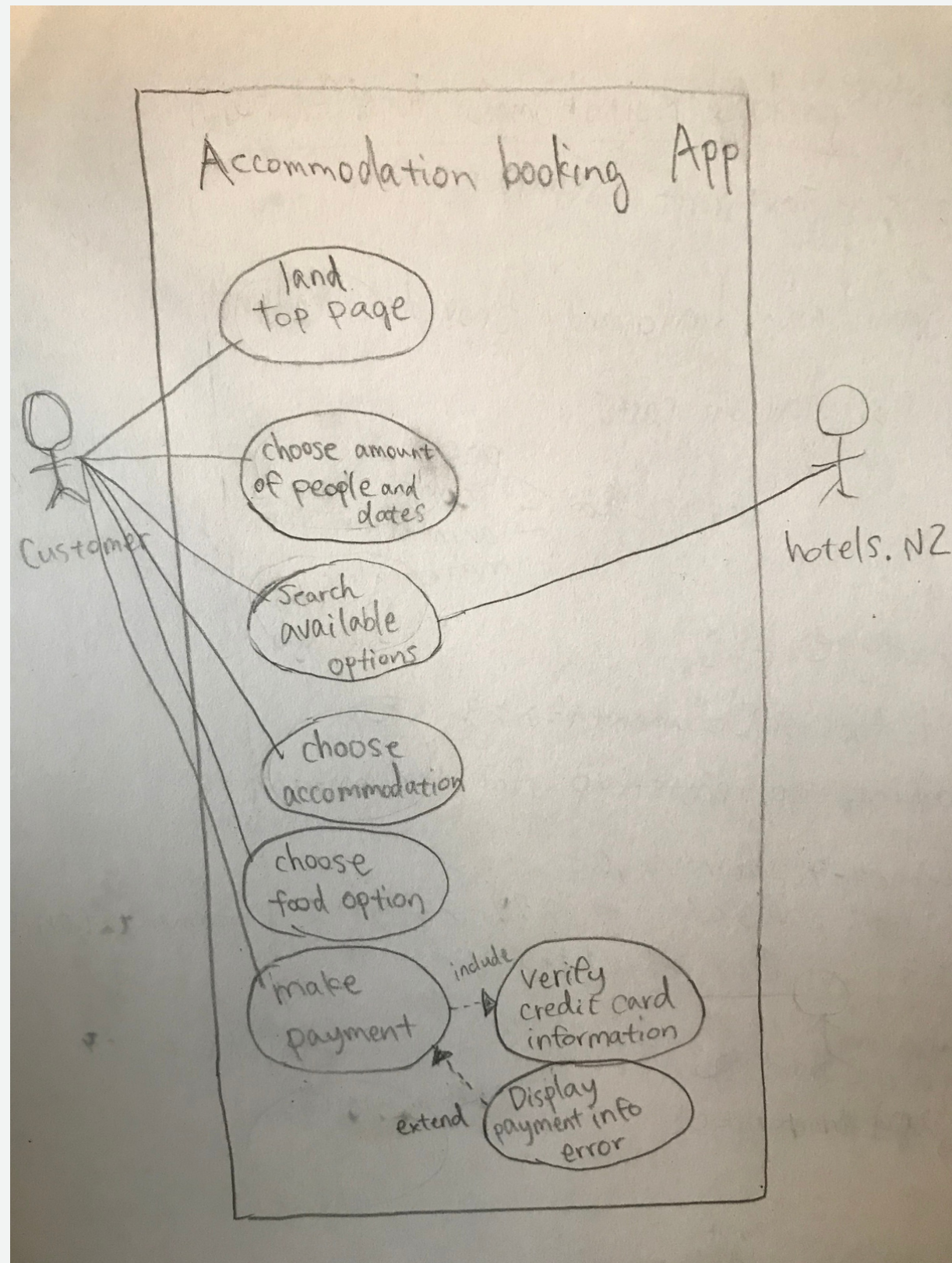
---

Client: HOTELS.nz

By: Yukie Matsumoto from MonoUX

# Use Case Diagram

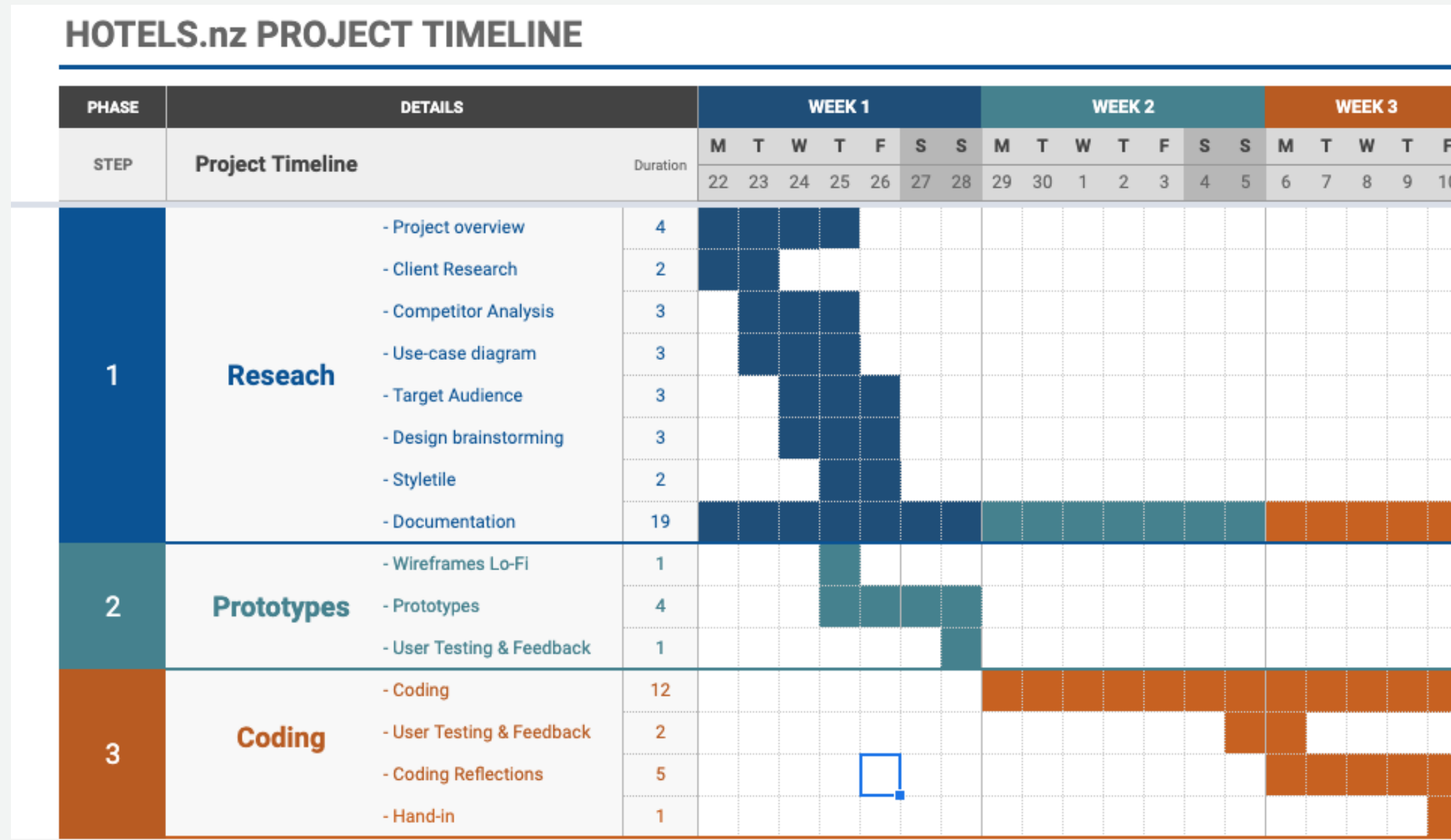
---



- User inputs desired dates and the number of guests
- App searches and displays available options
- User is prompted if no options are available
- User chooses preferred accommodation options
- User selects optional extras
- A summary of choices displayed with credit card payment form
- Confirmation of booking is displayed

# Timeline

<https://docs.google.com/spreadsheets/d/1UeC5xr8DdORjq-uEBIfsO-qx0bPR8bPVkxPy-79L-Yg/edit?usp=sharing>



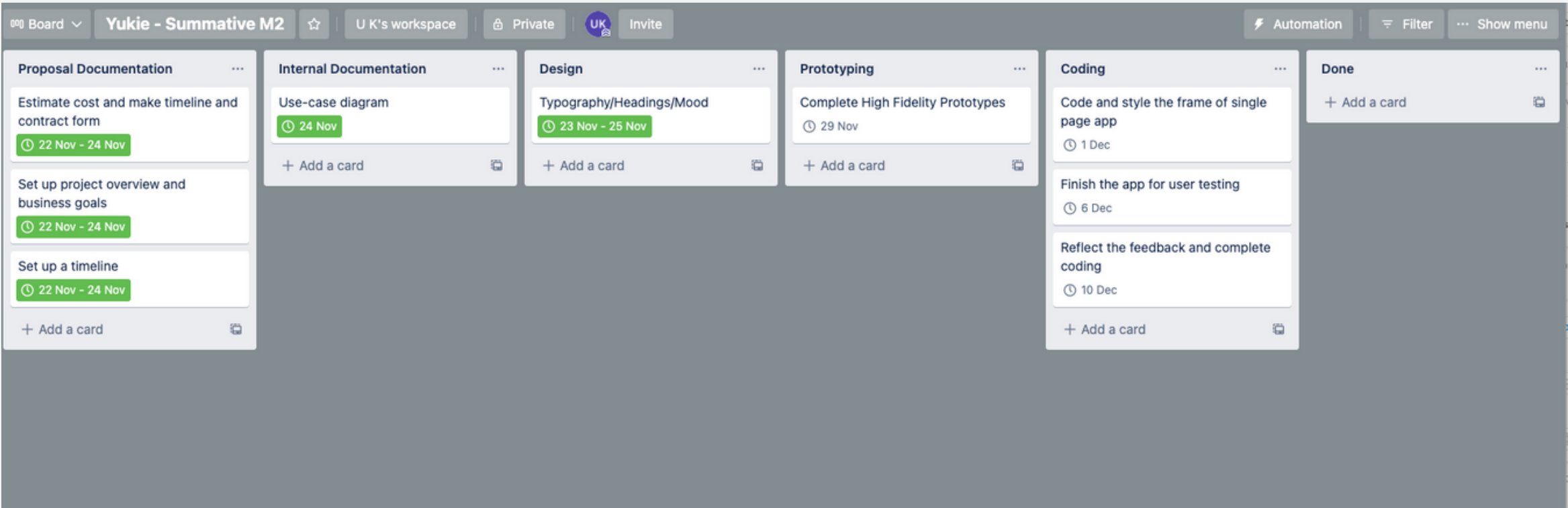
## Weekly Analysis

Project tasks were analysed against the timeline at the end of each week. All deadlines have been achieved. Refer to below screenshots for details.

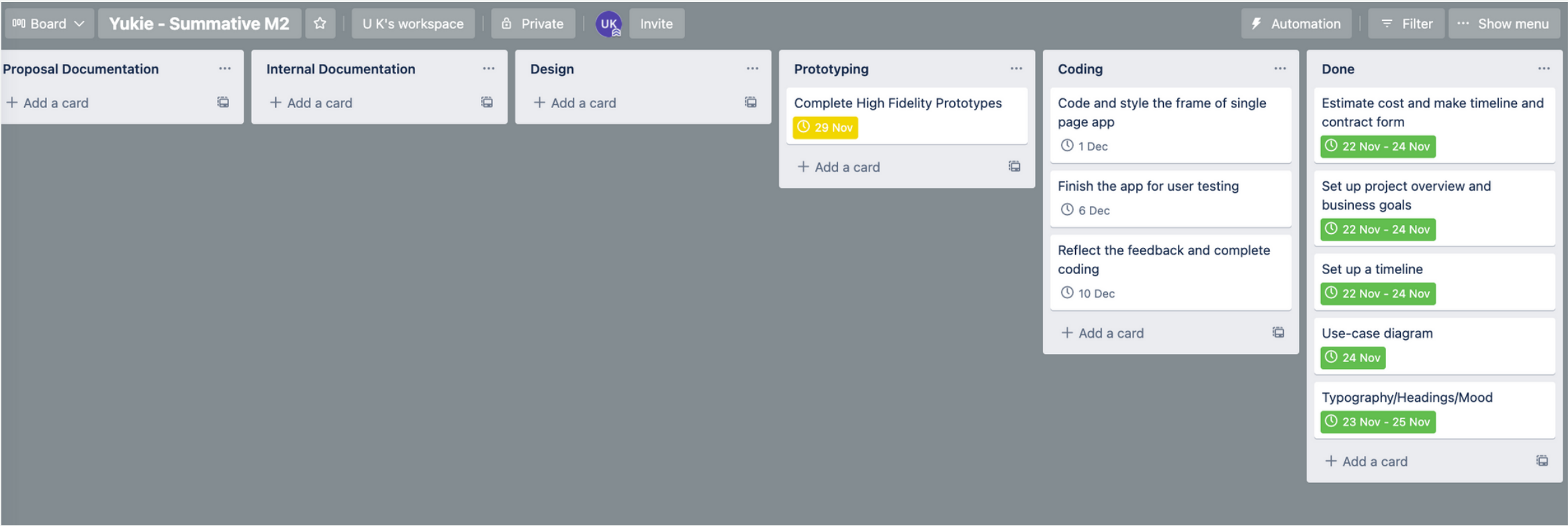
# Weekly Plan

## Week 1

Start



End





# Weekly Plan

The End of Week 2

Board

Yukie - Summative M2

U K's workspace

Private

UK

Invite

Automation

Filter

Show menu

Proposal Documentation

+ Add a card

Internal Documentation

+ Add a card

Design

+ Add a card

Prototyping

Complete High Fidelity Prototypes

29 Nov

+ Add a card

Coding

Code and style the frame of single page app

1 Dec

Finish the app for user testing

6 Dec

Reflect the feedback and complete coding

10 Dec

+ Add a card

Done

Estimate cost and make timeline and contract form

22 Nov - 24 Nov

Set up project overview and business goals

22 Nov - 24 Nov

Set up a timeline

22 Nov - 24 Nov

Use-case diagram

24 Nov

Typography/Headings/Mood

23 Nov - 25 Nov

+ Add a card

# Weekly Plan

## The End of Week 3

The screenshot shows a Trello workspace named 'Yukie - Summative M2'. The board is organized into five columns: 'Internal Documentation', 'Design', 'Prototyping', 'Coding', and 'Done'. Each column has a '+ Add a card' button. The 'Done' column contains a list of tasks with due dates:

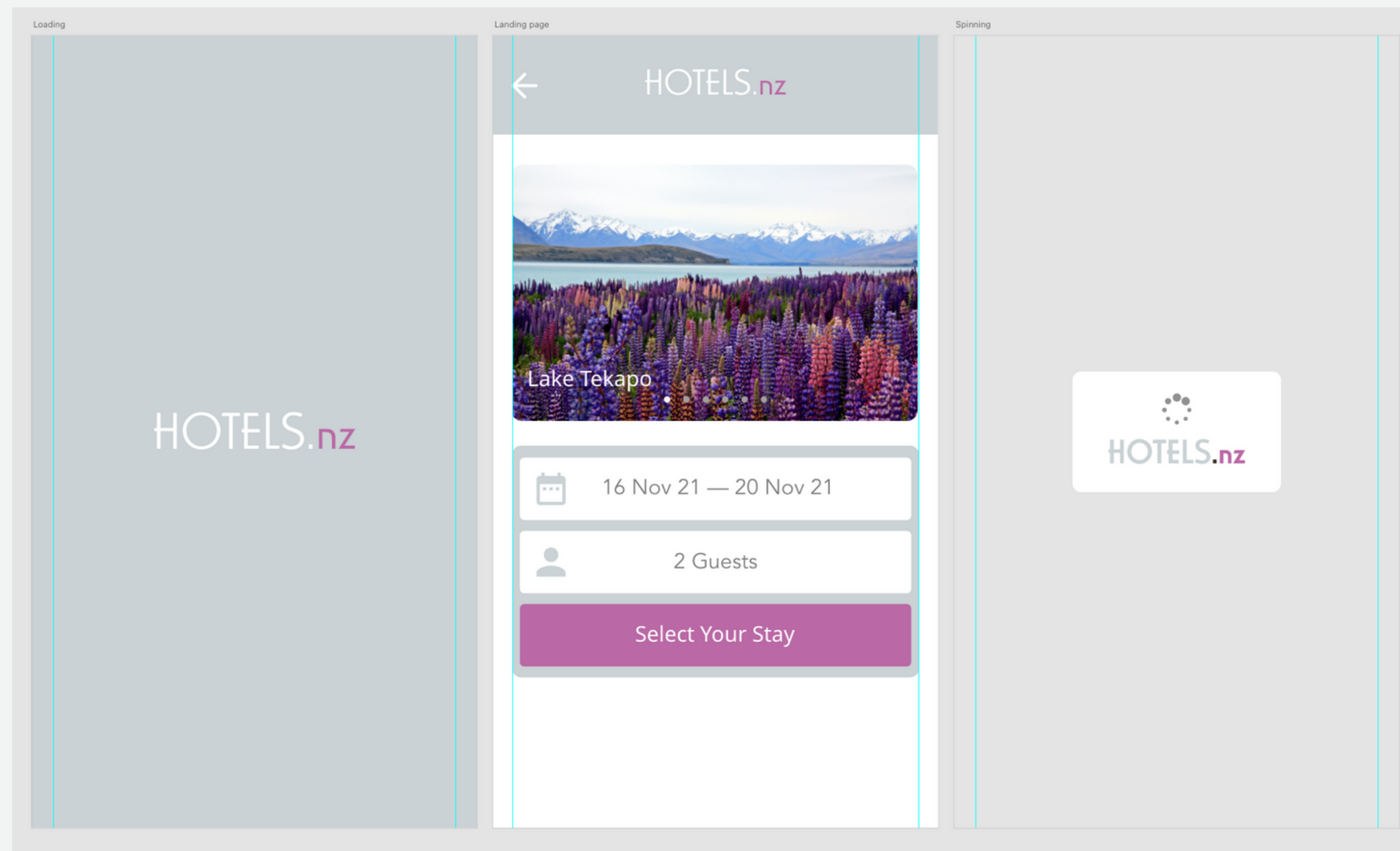
- Estimate cost and make timeline and contract form (22 Nov - 24 Nov)
- Set up project overview and business goals (22 Nov - 24 Nov)
- Set up a timeline (22 Nov - 24 Nov)
- Use-case diagram (24 Nov)
- Typography/Headings/Mood (23 Nov - 25 Nov)
- Complete High Fidelity Prototypes (29 Nov)
- Code and style the frame of single page app (1 Dec)
- Finish the app for user testing (6 Dec)
- Reflect the feedback and complete coding (10 Dec)

At the bottom of the 'Done' column is a '+ Add a card' button.

# High Fidelity Prototype

Adobe XD was used to create Hi-Fi Prototypes.

<https://xd.adobe.com/view/763a06d4-2825-49a3-a304-afaa6cfbcea1-2369/>




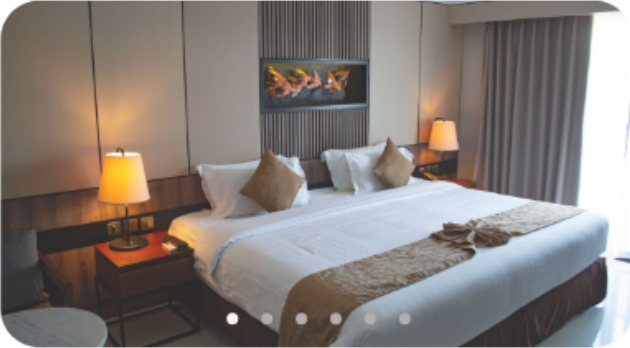
# High Fidelity Prototype

Accommodation List

<


4 Nights

 2



Lakeside Hotel  
\$157NZD

Reserve



Mountain Motel  
\$90NZD

Reserve

Option

Breakfast  
\$30 / person

☐

Lunch  
\$45 / person

☐

Dinner  
\$60 / person

☒

Kayak rental  
Free

☐

\$1,108.00 total  
16 Nov - 20 Nov

Select

Payment

<

HOTELS.nz

People2 People  
Check-in16 Nov 2021  
Check-out20 Nov 2021  
Length4 nights  
OptionDinner x 4

Room\$628  
Option\$480

Total \$1,108

NAME ON CARD

CARD NUMBER

EXP DATE

CVV


incorrect

Make Payment

Thank you

HOTELS.nz

Thank you for your booking

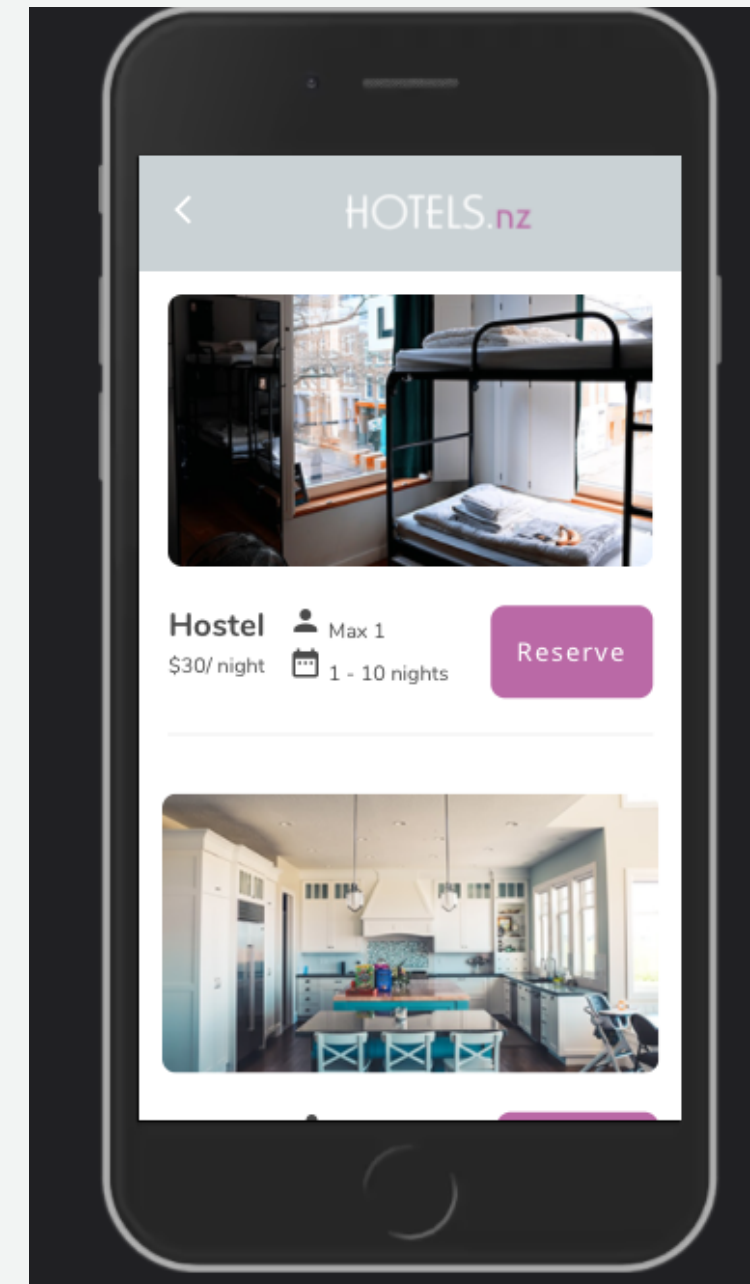
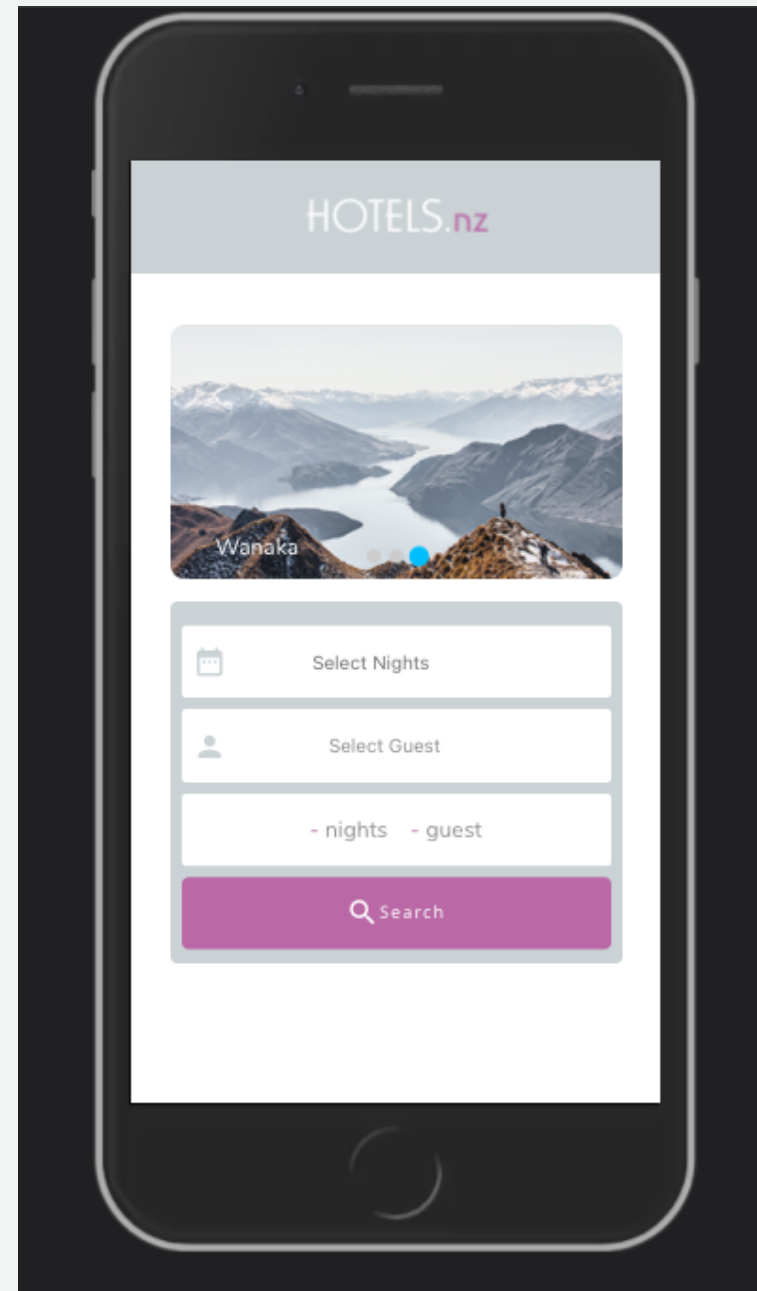
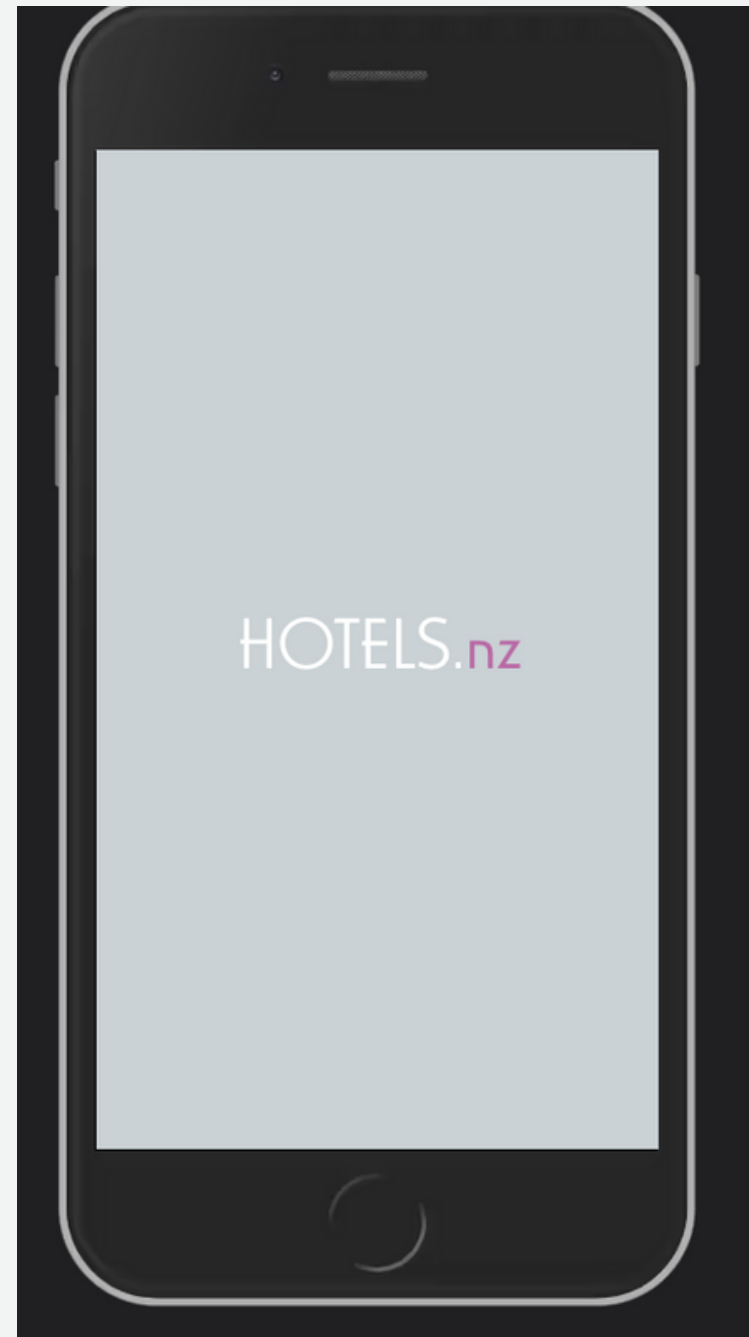


Browse New Journey

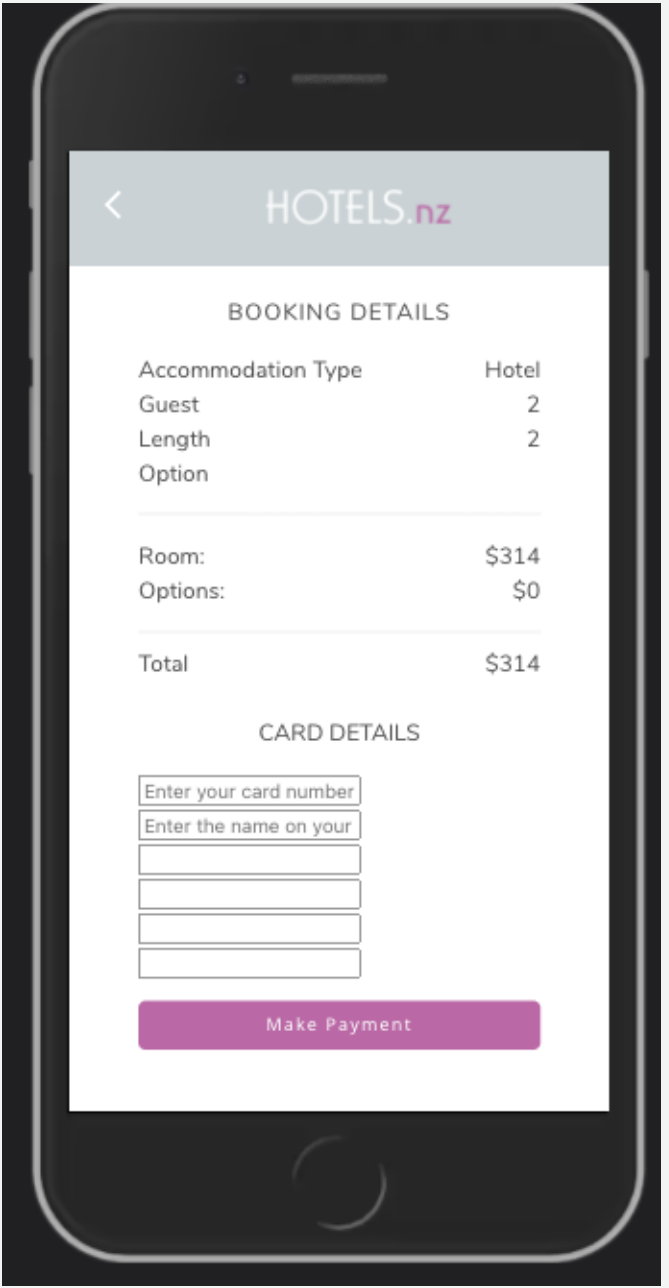
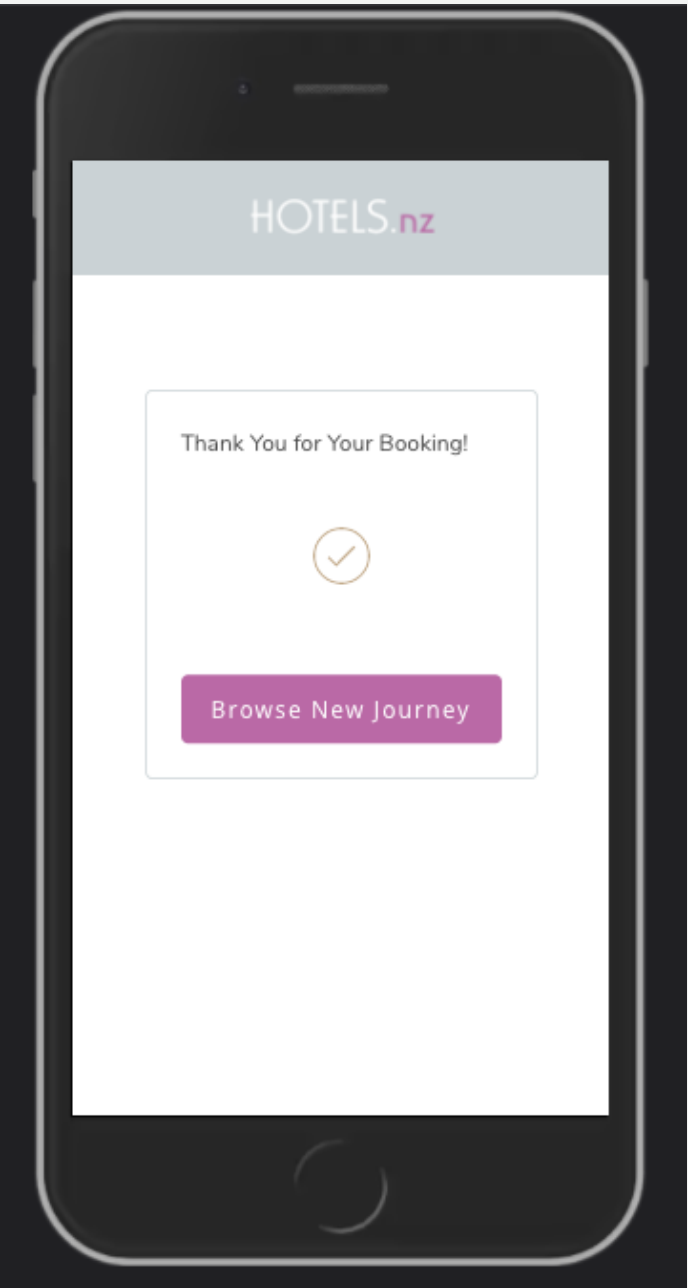
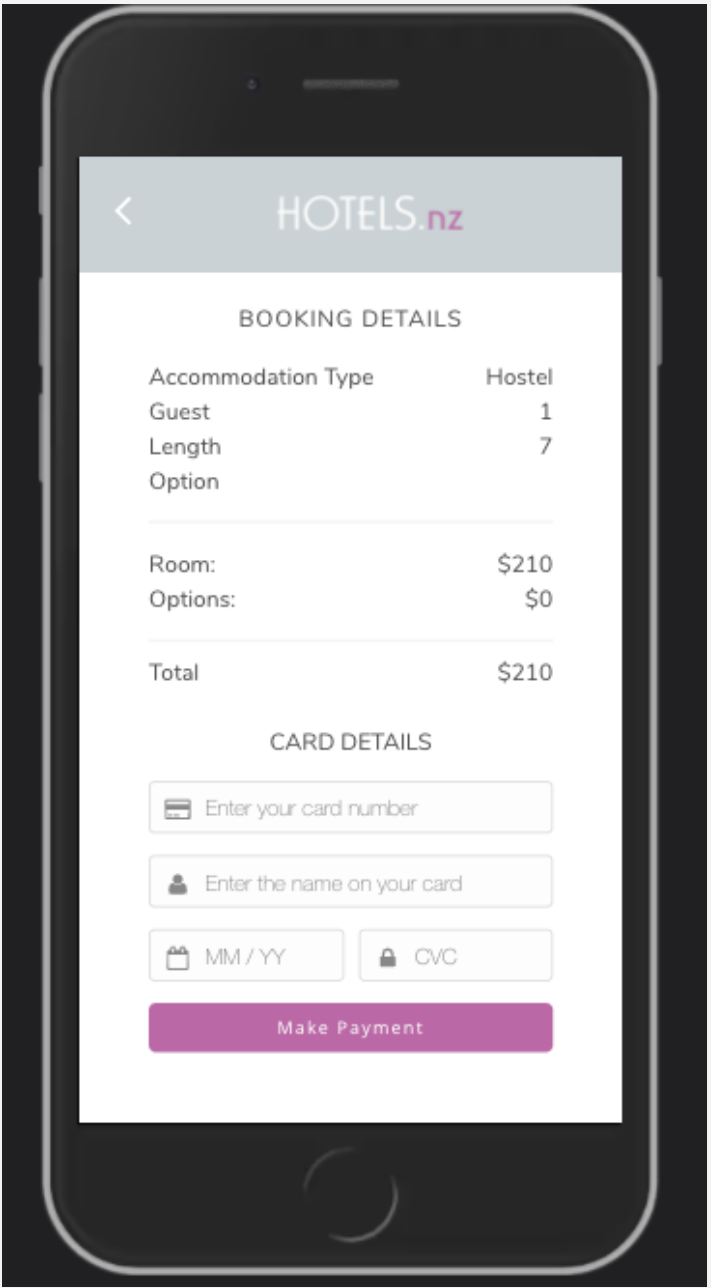


# Final Product

<https://yukie.mat.yoobeestudent.net/summative-2-final/>



# Final Product



⚠ Payment form was not shown correctly via Yoobee server.

# Production Tools

---

The below tools were used in the development of the app:

- Visual Studio Code
- Chrome DevTools from Google
- Trello
- Markup Validation Service from W3C
- JSHint, a JavaScript Code Quality Tool
- HTML Error Checker from Google Chrome Extension
- Adobe XD for prototyping



# Development

```
</div>
<div
  class="accommodation select-hotel"
  data-type="1 2"
  data-nights="1 2 3 4 5"
  data-price="157"
>
  <div class="accommo-photo">
    
  </div>
  <div class="name-reg-btn">
    <div class="name-price">
      <h4>Hotel</h4>
      <p>$157/ night</p>
    </div>
    <div class="regulation">
      <p><span class="material-icons">person </span> 1 - 2 people</p>
      <p>
        <span class="material-icons">date_range</span> 1 - 5 nights
      </p>
    </div>
    <button class="btn reserve-btn" value="Hotel" data-stay="157">
      Reserve
    </button>
  </div>
</div>
```

Error

An `img` element must have an `alt` attribute, except under certain conditions. For details, see [alternatives for images](#).

From line 86, column 21; to line 86, column 62

``

Error

An `img` element must have an `alt` attribute, except under certain conditions. For details, see [alternatives for images](#).

From line 90, column 21; to line 90, column 64

``

Error

An `img` element must have an `alt` attribute, except under certain conditions. For details, see [alternatives for images](#).

From line 94, column 21; to line 94, column 62

``

Error

Bad value  for attribute `action` on element `form`: Must be non-empty.

From line 102, column 13; to line 102, column 47

`<form action="" id="bookinfo-form">`

Warning

Warning: viewport values that prevent users from resizing documents.

to line 9, column 6

`<meta name="viewport" content="width=device-width, initial-scale=1.0 user-scalable=no" />`

Warning

Warning: `type` attribute is unnecessary for JavaScript resources.

to line 50, column 5

`<script type="text/javascript" src="https://cdn.jsdelivr.net/npm/@splidejs/splide@3.1.9/dist/js/splide.min.js"></script>`

Warning

Warning: `h2` element lacks heading. Consider using `h2` - `h6` elements to add identifying headings to all sections.

to line 60, column 41

`<h2 class="section section-1">`

Warning

Warning: document is not mappable to XML 1.0 due to two consecutive hyphens in a comment.

to line 60, column 41

`<!--`

Warning

Warning: document is not mappable to XML 1.0 due to two consecutive hyphens in a comment.

to line 60, column 41

`<!--`

Warning

Warning: document is not mappable to XML 1.0 due to two consecutive hyphens in a comment.

to line 60, column 41

`<!--`

Warning

Warning: `h2` element lacks heading. Consider using `h2` - `h6` elements to add identifying headings to all sections.

to line 482, column 41

`<h2 class="section section-5">`

```
> assets
  > css
    > themes
      # card-number.css
      # card-type-icon.css
      # cvc.css
      # expiry.css
      # icon.css
      # input.css
    > js
      JS calender.js
      JS card-js.jquery.js
      JS main.js
      JS modal.js
      JS object.js
      # card-js.min.css
      JS card-js.min.js
      < index.html
      # main.css
```

- Validate HTML file via W3C

W3C Validator: [https://validator.w3.org/](#)

## FILE

Used external files except third party plugin such as card-js.

Card-js: [https://github.com/kenchuan/card-js](#)

# Development

```
var moveToPayment = document.querySelector(".option-btn");

moveToPayment.addEventListener("click", onMoveToPay);

function onMoveToPay(event){

    sectionFour.style.display = "flex";
    sectionThree.style.display = "none";

    document.querySelector(".confirmed-name").innerHTML = userObject.st
    document.querySelector(".confirmed-people").innerHTML = userObject.gi
    document.querySelector(".confirmed-dates").innerHTML = userObject.ni

    document.querySelector(".stay-price").innerHTML = userObject.accom
    document.querySelector(".option-price").innerHTML = (userObject.brea
    document.querySelector(".total-price").innerHTML = (userObject.accom
```

```
1  var userObject = {
2      start_date:0,
3      end_date:0,
4      nights:0,
5      guests:0,
6      breakfast:0,
7      lunch:0,
8      dinner:0,
9      kayak:0,
10     accomo_price:0,
11     stay:null,
12 };
13
14 var guestInput = document.querySelector(".select-guest select");
15
16 guestInput.addEventListener("blur", onGuestInputChanged);
17
18 function onGuestInputChanged(event){
19     var ele = event.target;
20     var str = parseInt(ele.value);
21     userObject.guests = str;
22     guestSelected.innerHTML = str;
23     logDetails();
24 }
25
26 var breakkieCheck = document.querySelector(".breakfast");
27 breakkieCheck.addEventListener("change", onBreakkieClicked);
28
29 function onBreakkieClicked(event){
30     var ele = event.target;
31     if (ele.checked){
32         userObject.breakfast = 20;
33         document.querySelector(".meal-1").innerHTML = "Breakfast" + " <br .
34     } else{
35         userObject.breakfast = 0;
36         document.querySelector(".meal-1").style.display = "none";
37     }
38     logDetails();
39 }
40
41 }
```

## CONFIGURE

### Metrics

There are 14 functions in this file.

Function with the largest signature take 1 arguments, while the median is 1.

Largest function has 21 statements in it, while the median is 6.

The most complex function has a cyclomatic complexity value of 9 while the median is 1.

### Two undefined variables

101 Splide

153 i

153 i

153 i

154 i

198 i

198 i

198 i

200 i

## Javascript

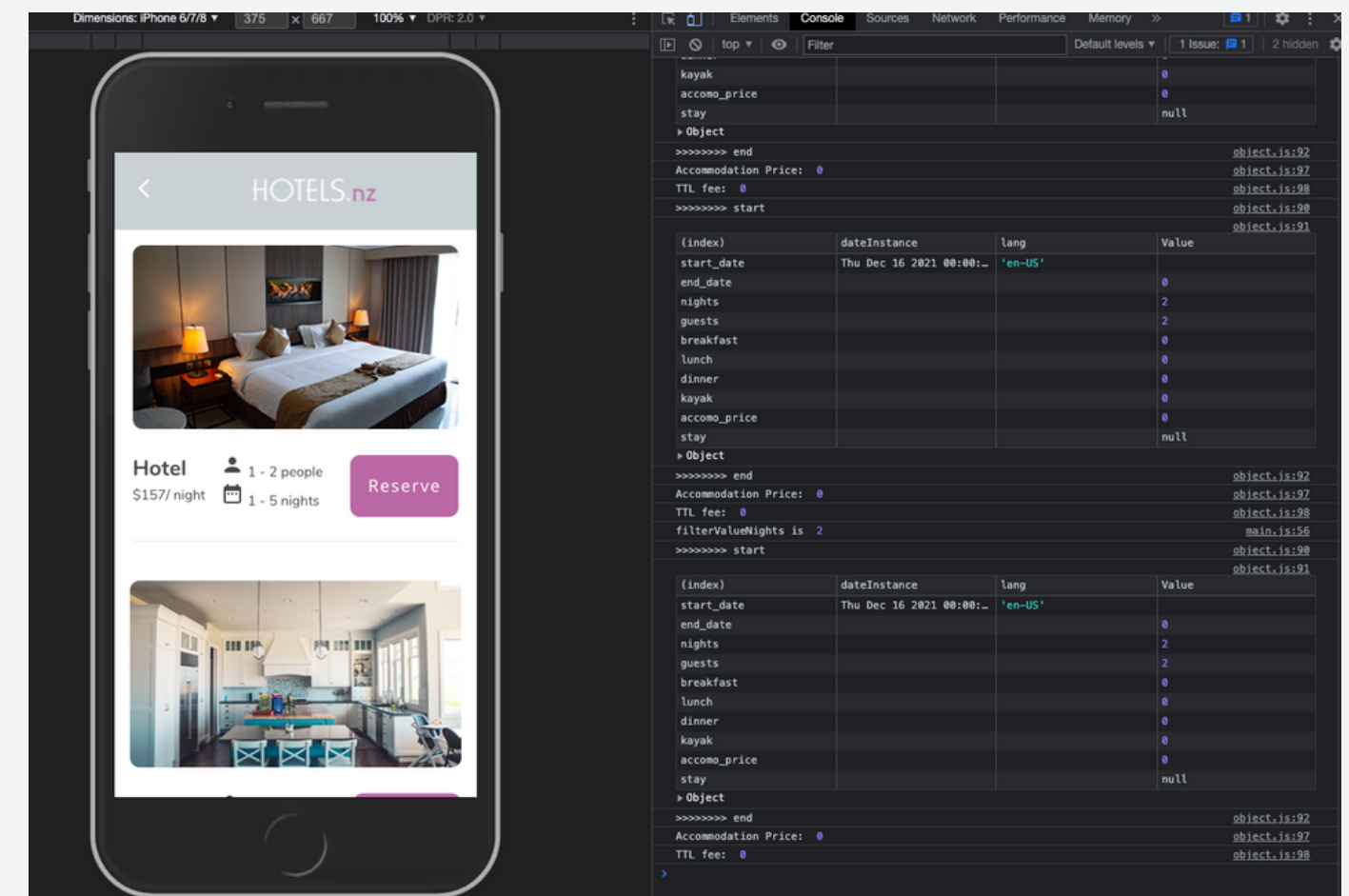
- Used variables and functions
- Minimised global variables

## Chrome DevTools

No errors shown

## JSHint

- JSHint was used for validating JavaScript.
- Unused var "Splide" is third party plugin.





# Development

## Third Party Plugins

- **Litepicker** is used for calendar function

(<https://litepicker.com/>)

- **Animate.css** was used for animation.

(<https://animate.style/>)

- **Splide** is used for slider/carousel.

(<https://splidejs.com/>)

---

# Copyright

---

## Photo

All photos sourced from <https://unsplash.com/>

## Font

All fonts sourced from Adobe Fonts

## Icon

All fonts sourced from Google Fonts