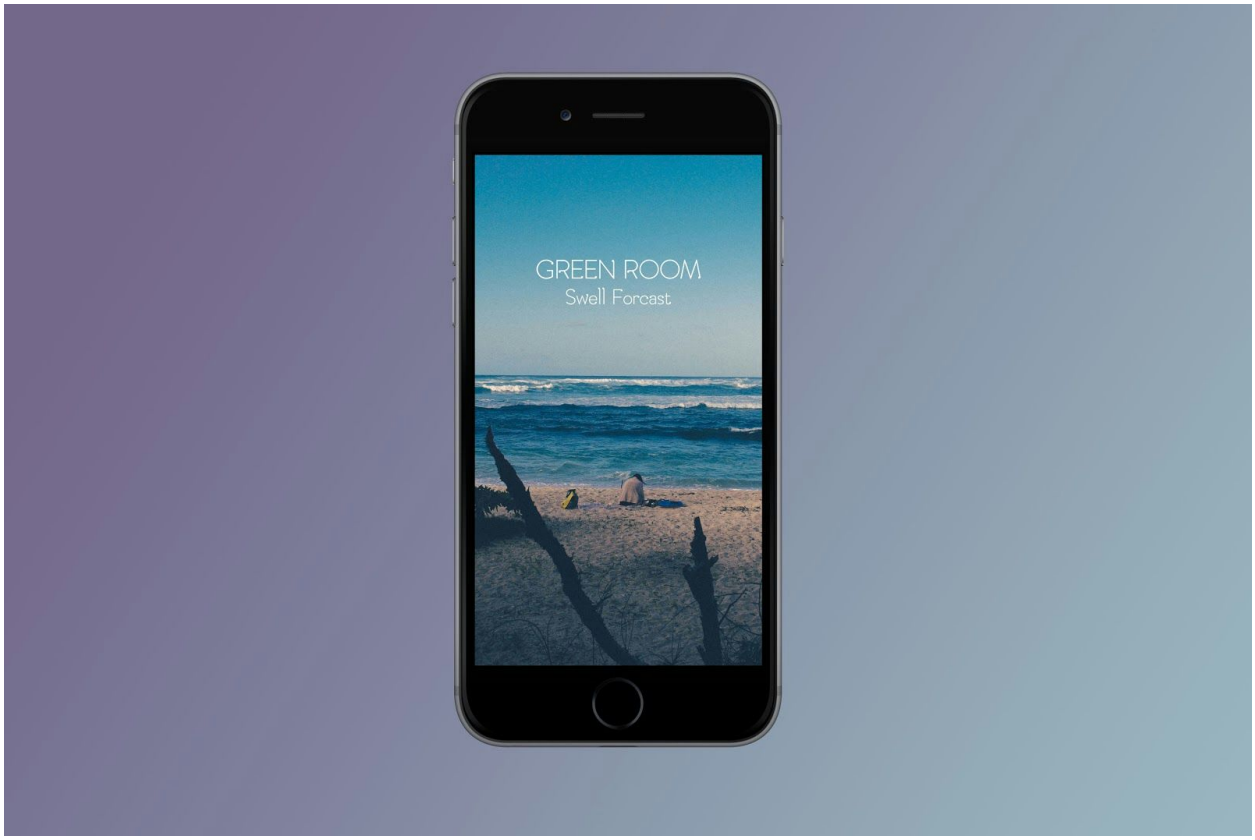
# GREEN ROOM



# Application Definition

The Green Room mobile app provides long range surf forecasts for Australia's major beaches. Our application fetches forecast data from *The Australian Surf Forecast API* and displays swell size, swell direction, wind speed, wind direction in 3 hour increments. Users are able to view and bookmark beaches closest to them and seamlessly navigate to their details. Green Room is the most convenient way to find what the surf is doing at locations around you. Making it easier than ever to decide where to surf. Completely Free.

Green Room targets avid surfers in Australia. Those who are serious about surfing need easy access to beach conditions in order to quickly determine the ideal time for a surf. This app is designed to eliminate the convoluted information common in many existing surf apps and only provider users with necessary and relevant data.

## Features

**Implemented:**

- Live forecast data
- Beach locations
- Map integration with annotations
- Location bookmarking
- Direction visualisation

**Planned:**

- Instagram integration
- GPS
- Recommendations (Based on location)
- Recommendations (Based on conditions)

**Long term:**

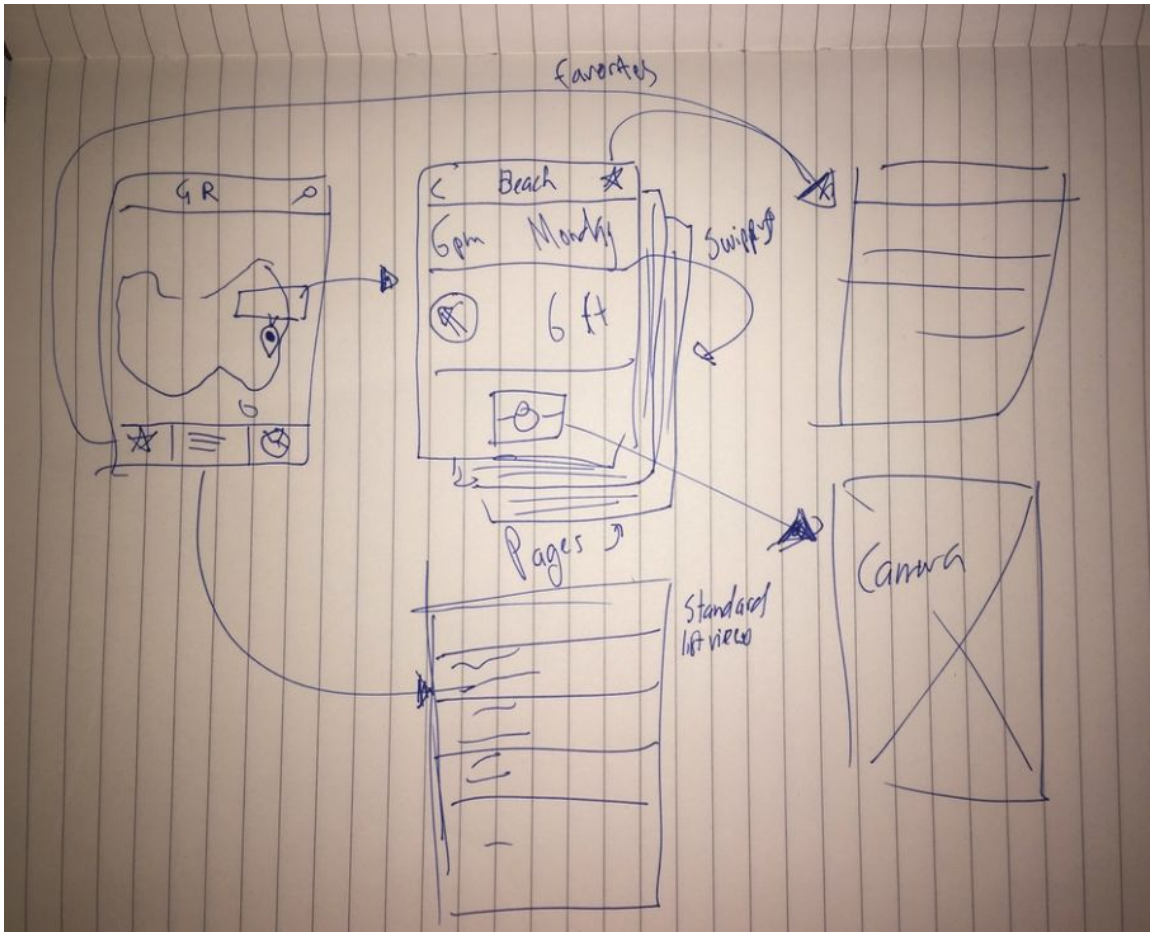
- Live chat feed
- Environmental / Situational warnings and notifications
- Board recommendations

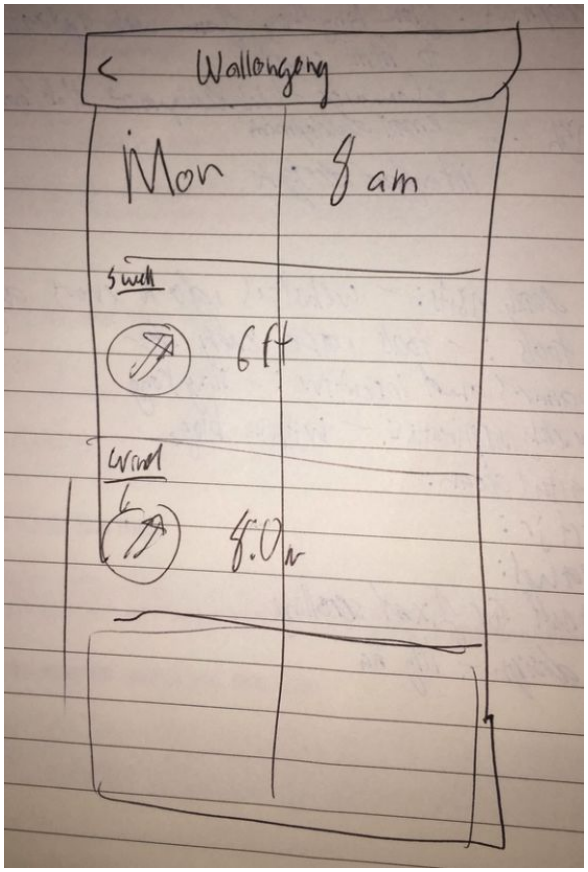
# User Interface & Experience

The UI leverages iOS native components. A user's interaction with our application on a component level will likely to be consistent with their previous experiences.
The primary design principles used in the definition of the user journey include: **Direct Manipulation, Metaphors and Consistency.**

Please view the **"1_concepting"** folder in the project repository for more design documents and assets for the project.

## Initial User Journey / Storyboarding




< Wollongong
Mon 8 am
Swell
6ft
Wind
4.0kn

## Splash screen

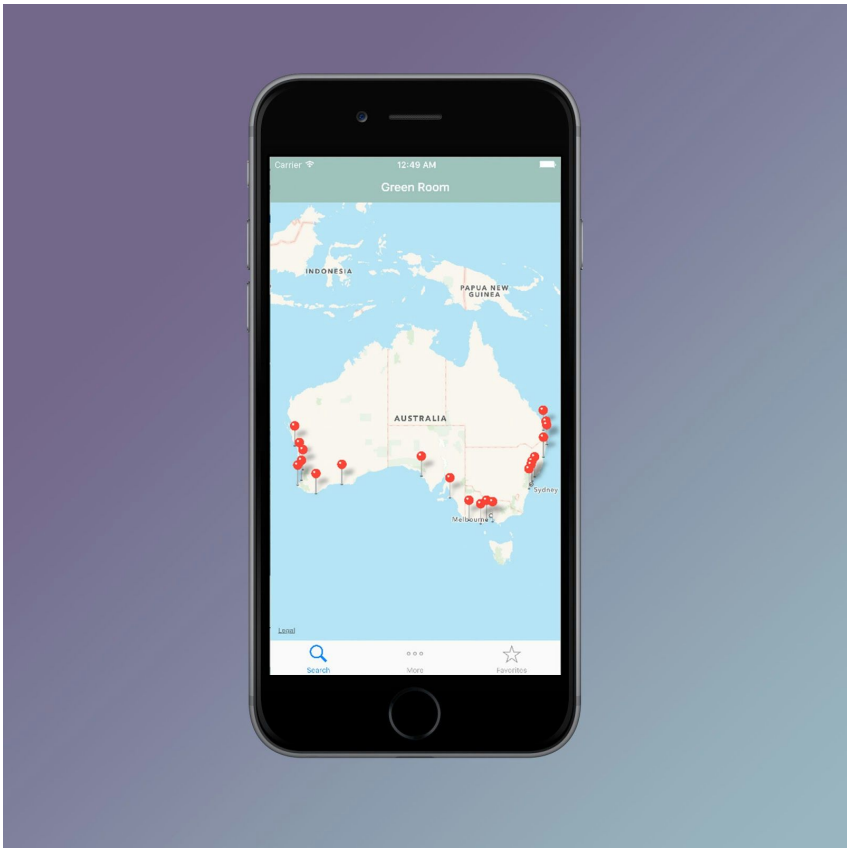

## Colour Palette

The color palette was defined to complement the native interface components whilst maintaining legibility. To ensure our application is accessible to the colour blind our application uses strong contrast between the colour of the text and backgrounds.

# Primary Views & Application Quality

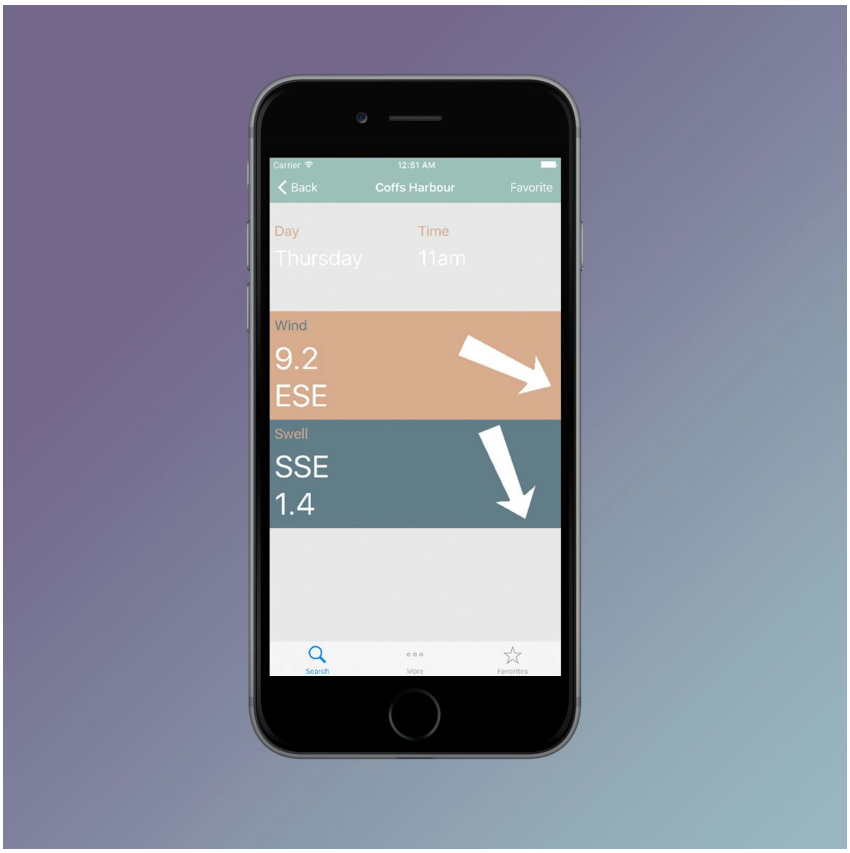
## Home - Map view controller

This view displays all beaches supplied by the *The Australian Surf Forecast API.* This view is contained within both a navigation view controller and a tab bar controller. The annotations seen on the map are clickable beach detail is accessible.



### Location Detail

This view is where the bulk of the UI and business logic can be seen. It presents users with a clean overview of the forecast for that beach. This view is nested within a UIPageViewController allowing a horizontal page swiping. Each page defines a 3 hour step in the forecast for the day. Animations and page effects can be seen on swipe.




## Targeted Screen Size and Resolutions

We've optimised the UI to best suit the standard iPhone resolutions 4 - 5 - 6 - 6+. Although, the application is built as a universal application and will be easily extended to support iPads etc. The application focuses on iPhones because we believe it is inline with our target audience's requirements.

Additionally to assist in the application's flexibility a scroll-view was added to the "LocationDetail" view.

# Technical

## API

Forecast data provided by *The Australian Surf Forecast API:*
http://swellcast.com.au/surf-forecast-api

This API consists of 3 separate endpoints

| Resource | Request Format | Type |
|---|---|---|
| States | /api/v1/states.json?api_key=your_api_key | GET |
| State | /api/v1/states/:state_id.json?api_key=your_api_key | GET |
| Location | /api/v1/locations/:location_id.json?api_key=your_api_key | GET |

## Time Log

Team members worked together evenly.

**Pam:** 50% / 48hrs
**Daniel:** 50% / 48hrs