GreenRoom

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GREEN ROOM
Swell Forcast

Definition statement:

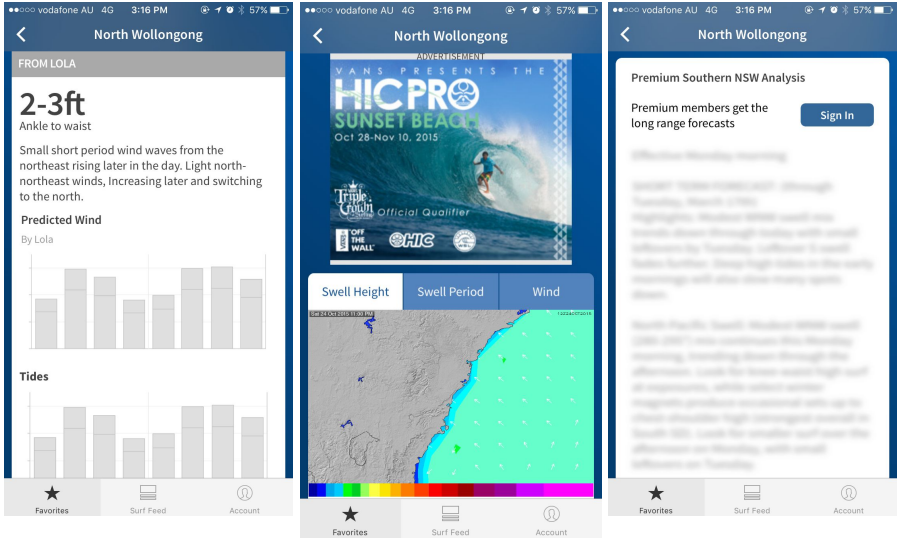
- GreenRoom is an app that provides users with an hourly forecast of conditions that play a major role in surfing, such as swell height/direction and wind speed/direction.

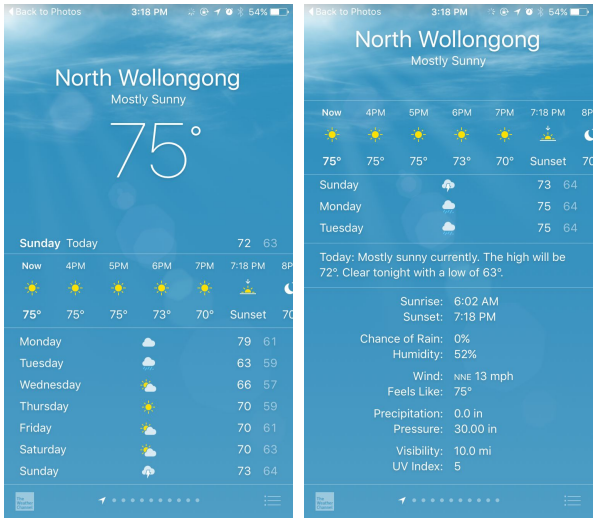
- Users can access information on all of Australia's major beaches and have the ability to "favorite" a location for faster access.

- With instagram integration, users can check out images posted of these locations.

Why is our app needed?

Normal weather apps do not tell surfers about important surfing conditions.





Existing popular surf forecasting apps, such as Surfline swarm users with information, advertisements, and require payment for access to additional features

Why is our app needed?

With weather in Australia is also unpredictable, so surfers need quick access to current data on beach conditions so they can catch a surf while it’s good.

How do we satisfy this need?

Give them a free, user-friendly, surf app!

GreenRoom is a FREE “on-the-go” app for surfers to quickly check the IMPORTANT daily surf conditions for their desired beach.

Technical challenges we faced:

Parsing Data

The API we retrieved the data from did not provide a logically organized json string for the specific location. We had to find the best structure to maintain forecast information so that data could be accessed by category and also stored chronologically

Aggregating

Aggregating and processing data into information easily interpreted by the user. Turning the combination of wind speed/direction and swell direction/size into meaningful information to give our users the best possible recommendation.

Presentation

Presenting information within an interface that is intuitive and easy to use.

How could we extend this project in the future?

Live comment stream:

- Introduction of a live feed on the location detail screen for users to post comments about the current surf in this location.

Risk:

- Backend infrastructure will need to be implemented to support this feature which will also need spam protection.

Beach closures:

- Access closure and event data from local councils to notify users if there's any environmental or situational warnings are affecting that beach.

Risk:

- This data may not be publicly available or may be expensive to access.