

SENG2021 - Deliverable 1

Part 1 - Problem statement

1. Currently, most sites providing information on beaches don't display whether weather on a current day is safe for visiting
2. Most of these sites don't allow users to provide and see other's thoughts and reviews for a particular beach
3. Most of these sites don't provide directions to nearby beaches
4. Many sites don't allow users to find beaches based on certain filtering criteria
5. Most sites don't allow users to save beaches that they prefer for future visits
6. Most sites don't allow users to view beach profiles with details on their weather

Part 2 - User Stories

Requirement 1: Sites providing information on beaches don't display whether weather on a current day is ideal for visiting

Feature 1.1: View a colour-coded map based on ideal weather conditions, red being not ideal, green being ideal, yellow being somewhere in between

As a user I want to view a map that displays beaches within a certain radius of my location **so that** I can identify which beaches are suitable to visit based on today's weather

GIVEN that I am on the homepage of the site

AND I have pressed a button to enable location access

OR I have searched for a beach based on its name

THEN the homepage loads a colour-coded map with nearby beaches

Requirement 2: Most sites don't allow users to provide and see other's thoughts and reviews for a particular beach

Feature 2.1: Users can provide reviews of visited beaches

As a user I want to be able to leave reviews of visited beaches **so that** other users can make informed decisions about the available beaches.

GIVEN that I am on the beach profile

AND I can click a button that redirects me to a rating page

THEN I can leave a review including a rating and comment

Requirement 3: Many sites don't provide directions to nearby beaches.

Feature 3.1: By default, a list of beaches within a certain radius of my location will be displayed

As a user I want to view the closest beaches to me **so that** I can access the beaches with the least distance from me

GIVEN that I am on the homepage

AND I have pressed a button to allow location access

THEN a list of beaches within my radius will be shown on the homepage

AND I can see how close they are in kilometers from me

Feature 3.2: Users can be redirected to a google maps page with directions to a specified beach

As a user I want to be able to get directions to a beach from its profile **so that** I can most efficiently get to the beach

GIVEN I am on a beach profile

AND I click on the directions button

THEN I am redirected to a directions page on google maps

Requirement 4: Current sites don't allow users to filter beaches based on search filters

Feature 4.1: Option to check 'only view popular beaches' when viewing maps

As a user I want to view only well reviewed beaches **so that** it is easier to find beaches that other users have enjoyed

GIVEN that I am on the home page

AND I check 'only view popular beaches'

THEN the map shows only 4 and 5 star reviewed beaches

Feature 4.2: Search bar to search beach by name

As a user I want to be able to search for a beach by name so that I can view information on a specific beach.

GIVEN I am on the homepage

AND I have enabled location access

AND I search for a specific beach

THEN I am redirected to the beach profile with the closest name to what I searched

Feature 4.3: Filter beaches based on their safety level.

As a user I want to search beaches with my preferred safety level **so that** I can view beaches with a specific safety level.

GIVEN that I am on the homepage

AND I have enabled location access

AND I have checked my preferred safety level

THEN I will only see "green" beaches on the homepage map

Requirement 5: Most sites don't allow users to save beaches that they prefer for future visits

Feature 5.1: Saving beaches when logged in

As a user I want to save my favorite beaches **so that** it's easier to access them for future visits

GIVEN that I am logged in

WHEN I am on the profile page of a beach

THEN I can press a button to save that beach

Feature 5.2: Viewing saved beaches on a page

As a user I want to view my saved beaches in a separate page **so that** I can access them for future visits

GIVEN that I am logged in

AND I click on my profile page

THEN I can view a page listing all of my saved beaches

Feature 5.3: Users can login to the site

As a user I want to login to the site **so that** I can save my favorite beaches to visit again

GIVEN I am on the login page

AND I have provided my login details

WHEN I click the login button

THEN I am able to login in to the site, and am redirected to my profile

Feature 5.4: Users can sign up to the site

As a user I want to create an account **so that** I can access additional features such as a review

GIVEN that I am on the sign-up page

AND I provide my details to create an account

WHEN I click "sign up"

THEN I can see a confirmation that my account is created

Requirement 6: Most sites don't allow users to view beach profiles with details on their weather

Feature 6.1: View beach profiles

As a user I want to view beach profiles **so that** I can see an in-depth weather condition for today


GIVEN that I am on the homepage

AND I search for a beach by name

AND I am redirected to a page with details specific to that beach

THEN I can view weather details about that beach

Part 3 – Lo-Fi Prototype

Logout 

My Profile

TextUser

Favourite Beaches


Bondi Beach

Coogee Beach

Palm Beach

My Reviews

Bondi	★★★★★	"Good beach & lifeguards"
Malabar	★★	"dirty and dangerous swimming"

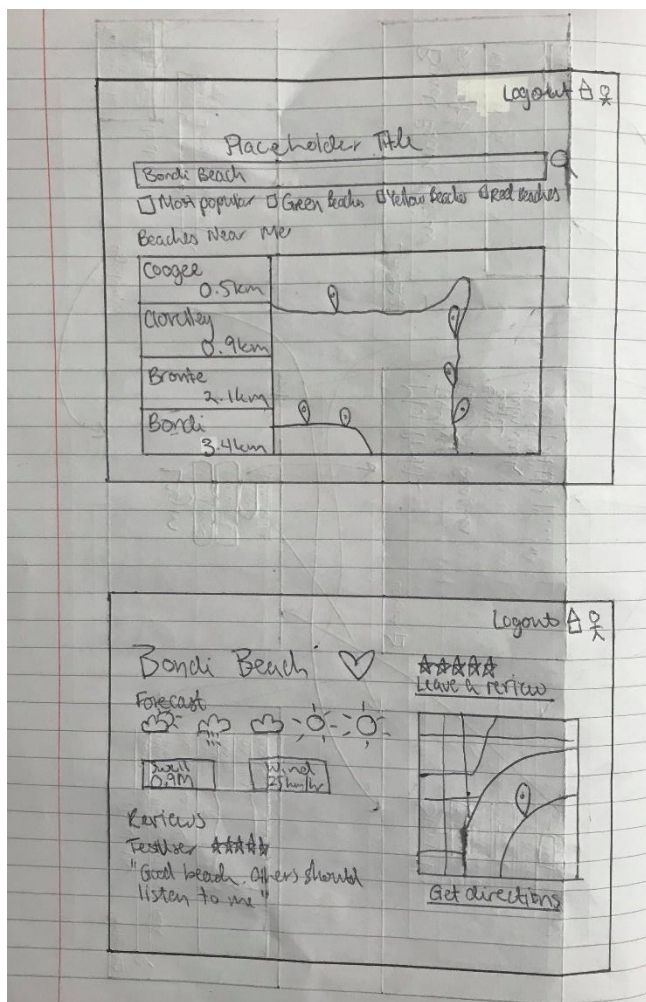
Logout 

Leave a review for Bondi

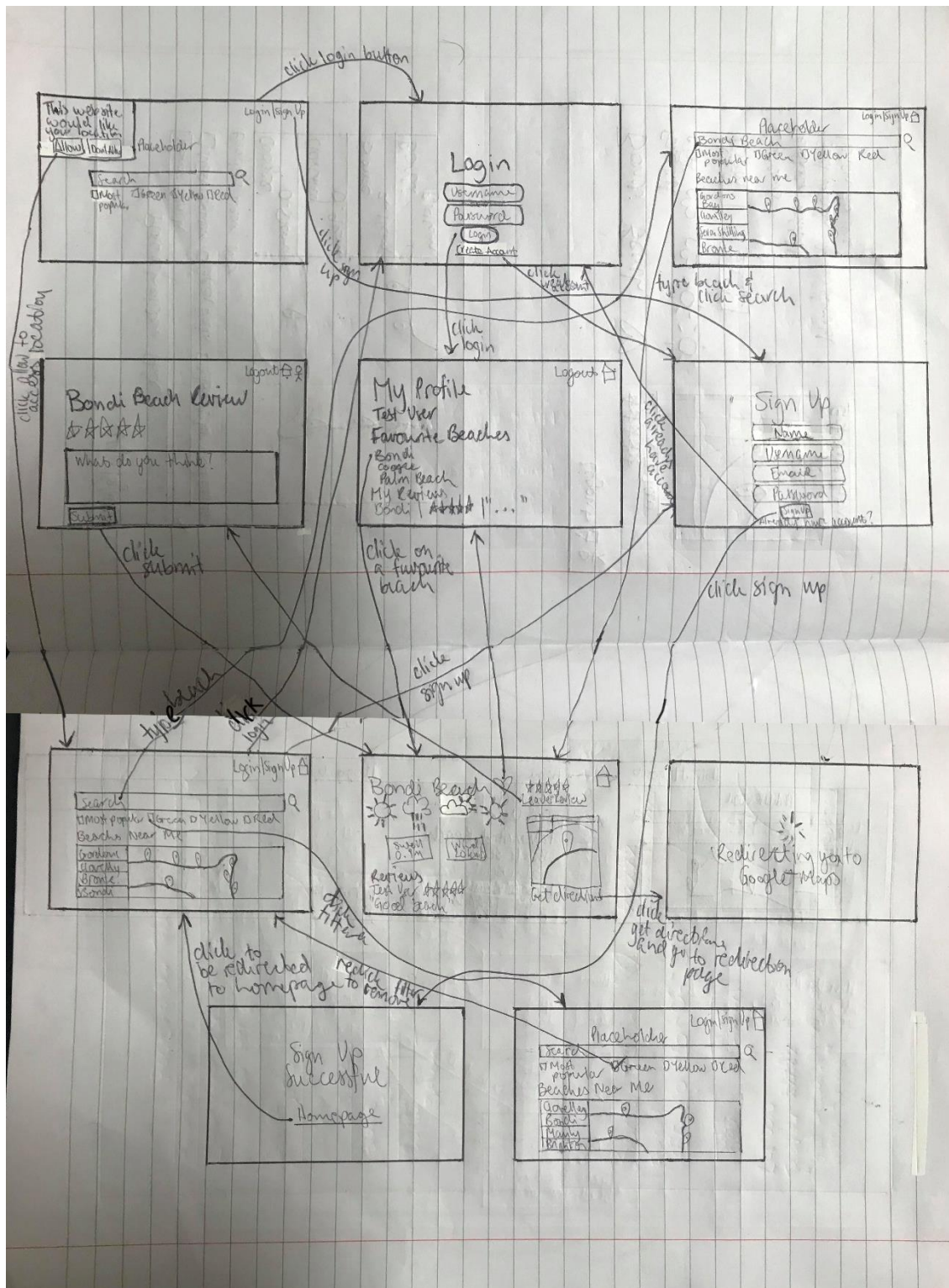
★★★★★

Leave a comment

Submit



Zoom in to view details (best at 200% zoom)



Part 4 – Hi-Fi Prototype

Link: <https://xd.adobe.com/view/368a3702-4869-4359-634a-5535683981dd-40bb/>