



UNSW
A U S T R A L I A

SENG2021 - Requirements and Design Workshop
Team Mongoose

Deliverable 1

2021, Term 1

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Problem Statements

Ideally, when collaborating with friends to plan a trip, individuals would need a way to find and suggest places of interest to the group, such that they can make decisions together. However, current platforms such as Facebook, TripHobo and Meetup, are unable to completely facilitate such needs, only satisfying particular aspects. As a result, users have to utilise numerous applications in order to communicate, research, decide and schedule activities, making the process unnecessarily convoluted and time consuming. Thus, we aim to provide a holistic approach to trip planning that has a strong focus on collaborative decision making.

Summary

1. Many trip planners don't allow members of a group to make suggestions for activities and vote for their favourite one/s
2. It is difficult to compare travel destination options from a simple Messenger poll without any metrics (e.g. rating, hours) and visual cues.
3. Many trip planners do not suggest options for activities based on the user's interests.
4. Group chats lack an interactive schedule view to block out time throughout the day for chosen activities.
5. Many trip planners don't suggest nearby side-activities such as restaurants to add to the schedule.

User Stories

1. Requirement: Many trip planners don't allow members of a group to make suggestions for activities and vote for their favourite one/s

Feature: *Share trip page links*

As a: Member of the group trip

So that: My friends can make activity suggestions and vote for the option they prefer

I want to: Send a shareable page link to the trip page

GIVEN that I am on any page of the Group Trip Planner website

THEN I share the URL of the current group's trip page with friends

WHEN my friends visit the link in their browser

THEN they are on the Nominations page

Feature: *Nominate an activity by searching*

As a: Member of the group trip

So that: My friends can be informed of my interests

I want to: Nominate activities for consideration by the group

GIVEN that I am on the Nominations page

WHEN I fill in the search box with "Sydney Opera House"

AND I click 'Enter' on my keyboard

THEN I am on the 'Activity Details' page of Sydney Opera House

WHEN I click on the "Nominate" button

THEN I should go back to the Nominations page

AND I can see a "Sydney Opera House" card on the list of nominations

Feature: *Clicking on an activity nomination will register as a vote*

As a: Member of the group trip

So that: I can indicate my support for a particular activity/s

I want to: Vote for my favourite activity nominations

GIVEN that I am on the Nominations page

WHEN I click on the plus icon at the corner of an activity image

THEN the plus icon turns into a tick indicating I have voted for this activity

Feature: *Display vote count for each activity*

As a: Member of the group trip

So that: The group can identify the most popular activities (those with the most votes)

I want to: See the outcome of a poll through a bar graph to clearly compare the results

GIVEN that I am on the Poll Count page

THEN I should see the number of votes for each activity

2. Requirement: It is difficult to compare travel destination options from a simple Messenger poll without any metrics (e.g. rating, hours) and visual cues.

Feature: *List of activity options, each consisting of the name, image and ratings*

As a: Member of the group trip

So that: I can have a better understanding of this activity

I want to: See a snapshot of each available option, consisting of a photo of the activity, name and rating

GIVEN that I am on the Nominations page

THEN I can see all nominated activities listed with activity name, a photo and a rating out of 5

Feature: *Display activities by category*

As a: Member of the group trip

So that: I can easily choose activities of a certain category

I want to: See activity options categorised and displayed in those respective lists

GIVEN that I am on the Nominations page

THEN I can see nominated activities grouped by categories, such as recreation, nature etc.

Feature: *Detailed activity view providing more information of the specific activity including brief description, images, rating, contact information, opening hours and reviews*

As a: Member of the group trip

So that: I don't have to manually research each option through Google

I want to: See more detailed information about an activity

GIVEN that I am on the Nominations page

WHEN I click on the activity with name "Sydney Opera House"

THEN I am on the 'Activity Details' page of Sydney Opera House

AND I should see detailed information about "Sydney Opera House", including a brief description, images, rating, contact information, opening hours and reviews

3. Requirement: Many trip planners do not suggest options for activities based on the user's interests.

Feature: *Questionnaire that offers categories of activities, asking user to rate their interest in each one*

As a: Member of the group trip

So that: I can be matched with activities that align with my interest

I want to: Indicate my interests in different categories of activities

GIVEN that I am on the Nominations page

WHEN I click on 'Don't know where to go?'

THEN I should see a pop-up questionnaire for rating interest in each type of activity

AND I can click the radio buttons to indicate my interest in each category

WHEN I can click the 'Find activities' button

THEN I can see an 'Activity Suggestion' pop-up

Feature: *Auto-generated activity suggestions based on responses to questionnaire*

As a: Member of the group trip

So that: I don't have to research online to find new activities

I want to: See activity suggestions that are tailored to my interest

GIVEN that I am on the Activity Suggestion pop-up

THEN I should be able to view a list of suggested activities based upon my response in the questionnaire

Feature: List nominated activities by review rating

As a: Member of the group trip

So that: I can more easily find higher quality activities

I want to: See activities ordered from highest to lowest ratings

GIVEN that I am on the Nominations page

THEN I should see nominated activities ordered from highest to lowest ratings in each category

4. Requirement: Group chats lack an interactive schedule view to block out time throughout the day for chosen activities.

Feature: *Add activities from poll to a schedule*

As a: Leader of the group trip

So that: I can more easily plan out the day through a visual aid

I want to: Select the most popular activities in the poll to add to the schedule

GIVEN that I am on the Poll Count page

WHEN I click on the “Add to Calendar” icon on the ‘Sydney Opera House’ activity

THEN I am on the Schedule page

AND I can see a ‘Sydney Opera House’ time block in my schedule

Feature: *Schedule containing chosen activities, with equal amount of time set for each one (by default)*

As a: Member of the group trip

So that: I can get a general estimate of how much time we have for each activity

I want to: View the chosen activities in a schedule

GIVEN that I am on the Schedule page

THEN I can see auto-generated time-boxes of equal length for all activities I chose in the Poll Count page

Feature: *Each activity’s time block can be dragged around, shortened and stretched*

As a: Leader of the group trip

So that: I have greater control on how we spend the day, and minimise the chance of running out of time for certain activities

I want to: Arrange the order of as well as time to spend on each activity

GIVEN that I am on the Schedule page
WHEN I drag the 'Sydney Opera House' 9:00 time block and move it to the 11:00 row
THEN I can see the Sydney Opera House time block is now located in the 11:00 row
AND I drag the bottom or top edge of the time block down or up
THEN I can see the 'Sydney Opera House' time block is bounded by the point of release

5. Requirement: Many trip planners don't suggest nearby side-activities such as restaurants to add to the schedule.

Feature: *Auto-suggest options for side-activities closeby to the chosen main activities*

As a: Member of a trip
So that: We have extra options for things to do such as food, sightseeing etc.
in-between main activities
I want to: See a list of side-activities that are nearby to the main activity

GIVEN that main activity/s have been added to the schedule
WHEN I click on "Side Activities" on the sidebar
THEN I am on the Side Activity Suggestions page
AND I can see a list of side activities nearby the chosen main activities

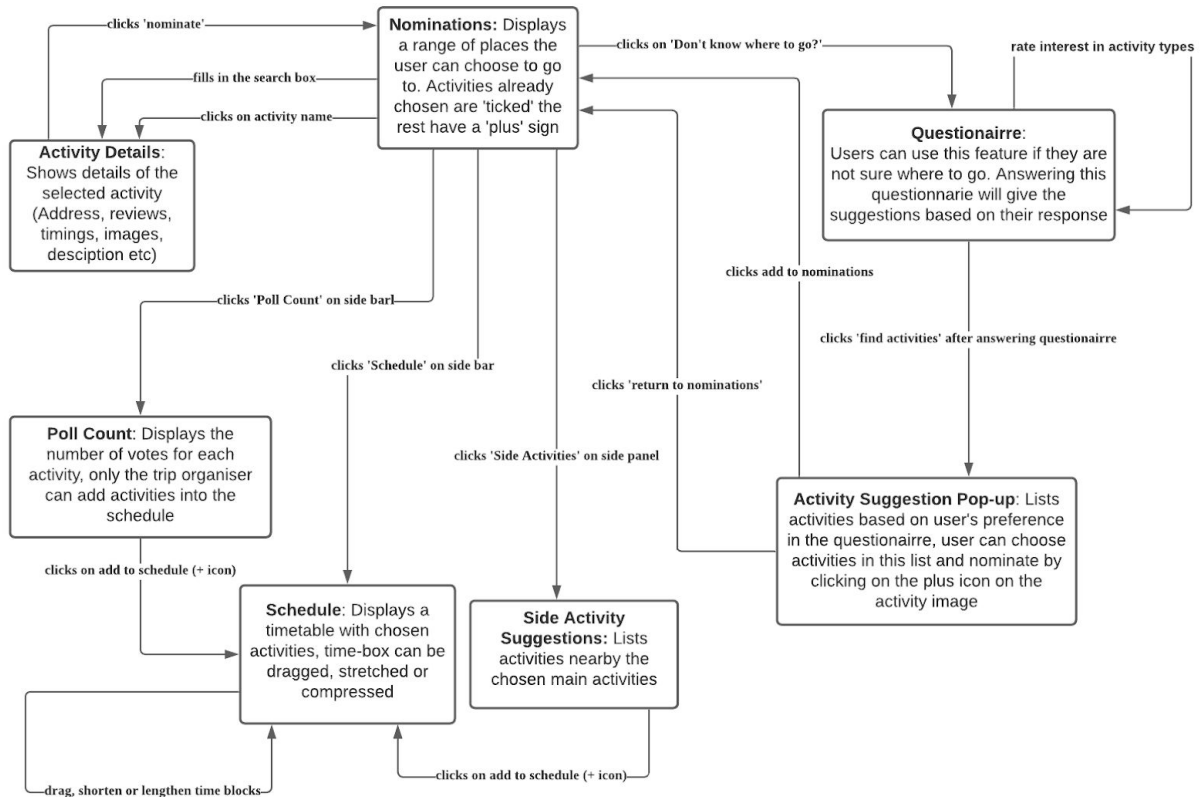
Feature: Add side activity to the schedule

As a: Leader of a trip
So that: I can make time in the schedule for nearby side-activities
I want to: Add side activity/s to the schedule

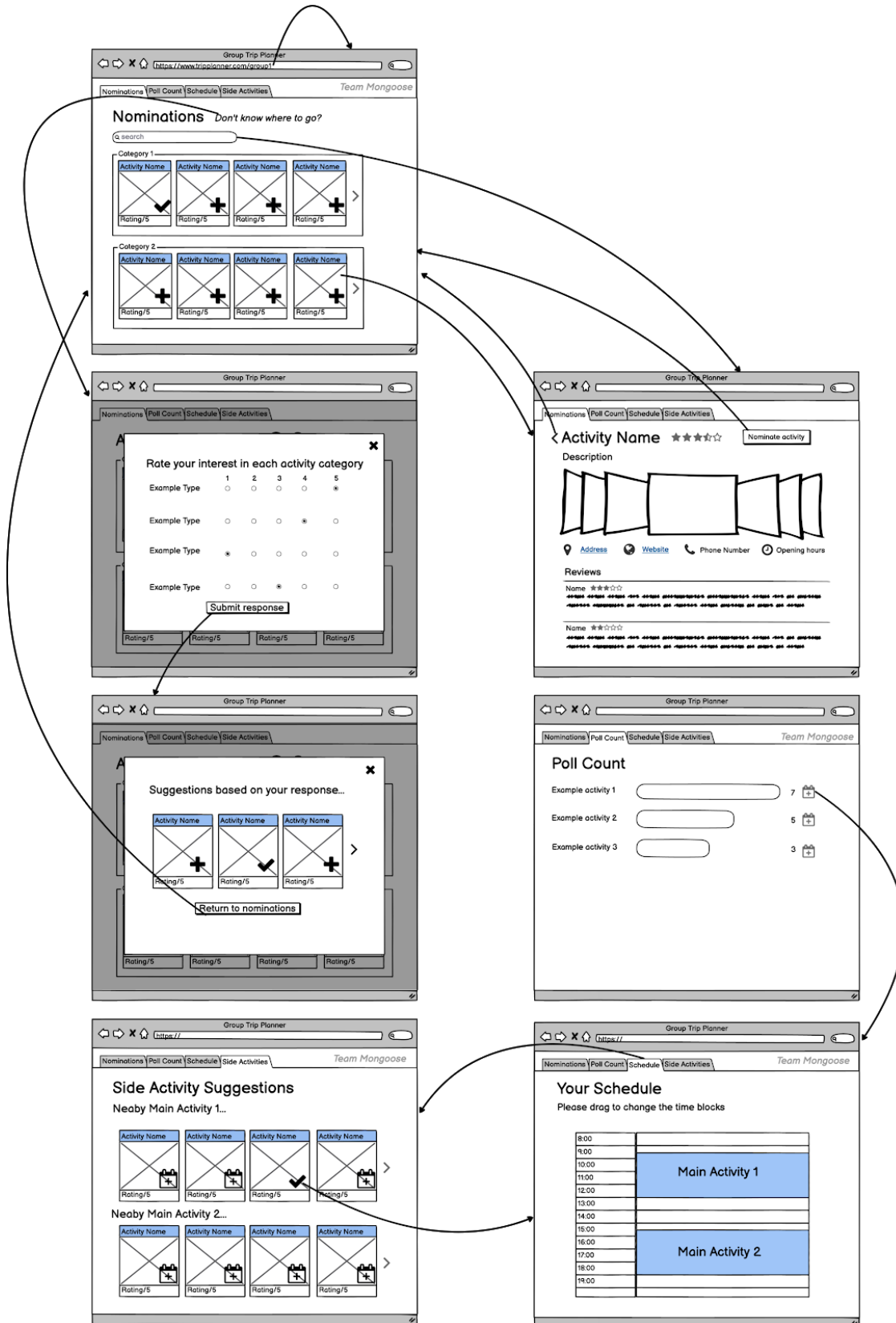
GIVEN that I am on the Side Activity Suggestions page with a list of suggested side activities
WHEN I click on the "Add to Calendar" icon at the corner of the activity image
THEN I am on the Schedule page
AND I can see the chosen side activity in the timetable

Low-Fidelity Prototype

1. Storyboard Interaction



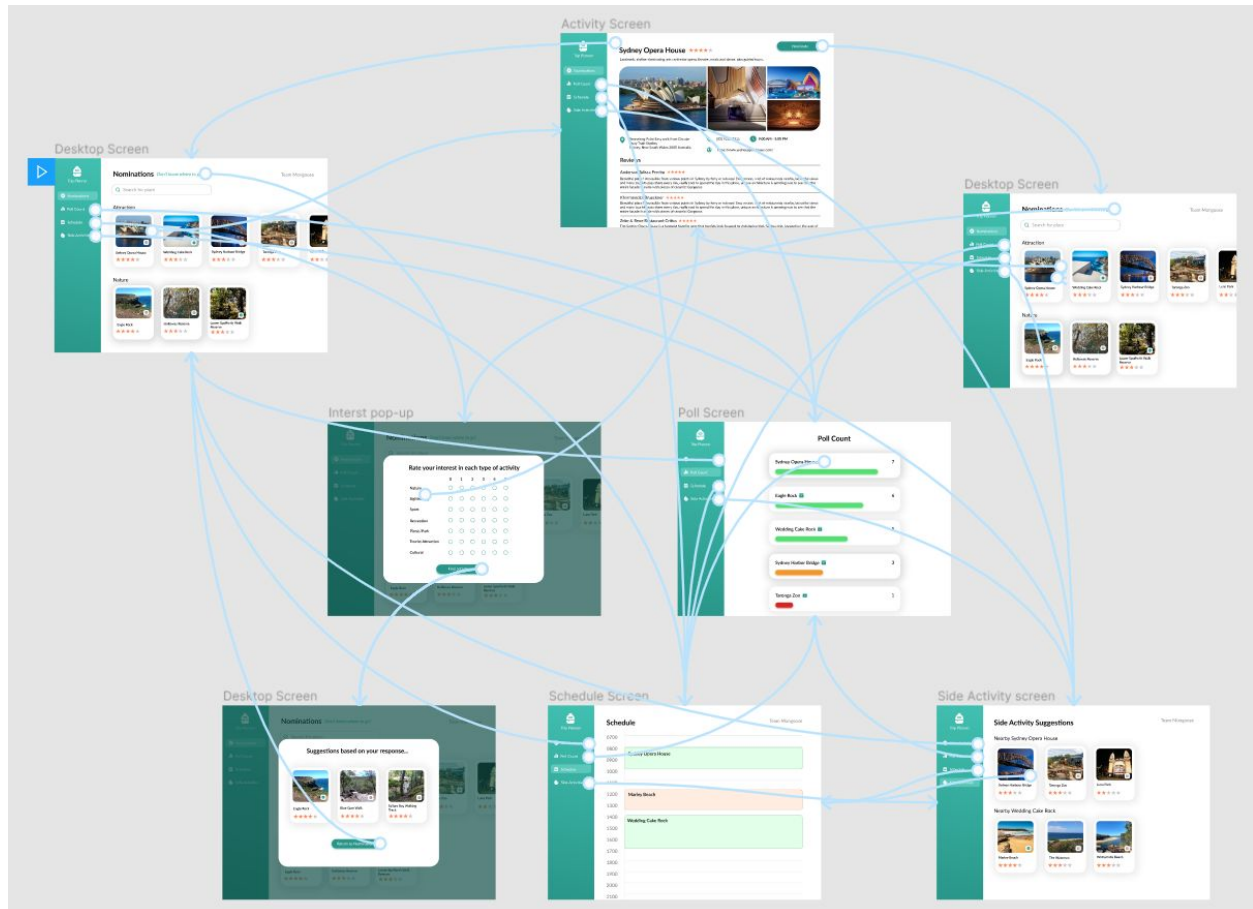
2. UI Component Sketches



High-Fidelity Prototype

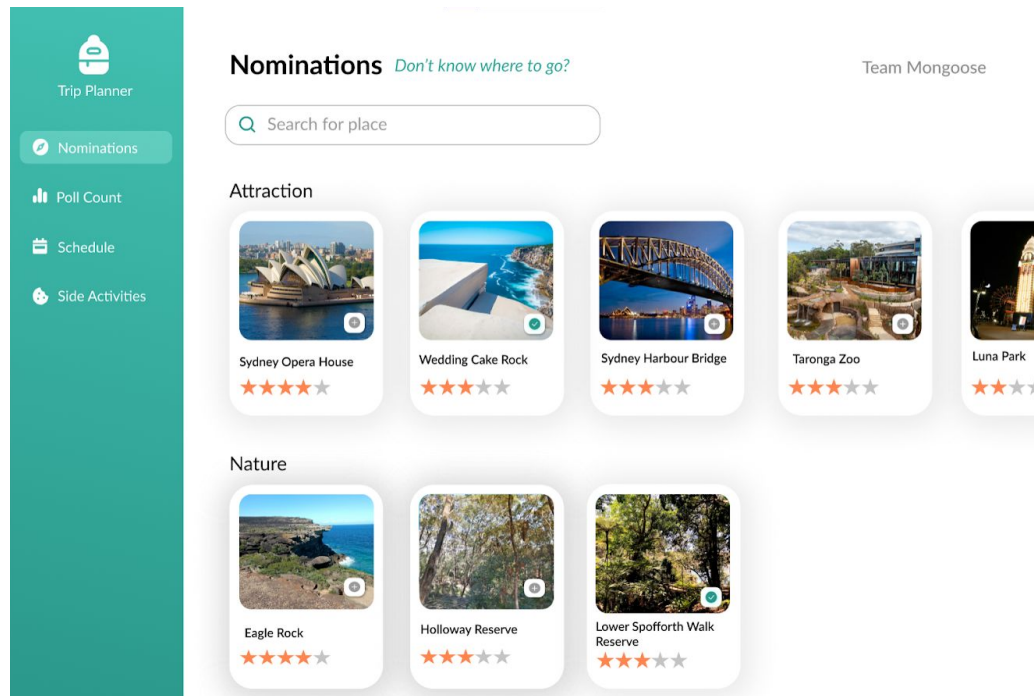
API used: Google Places API

1. Overview

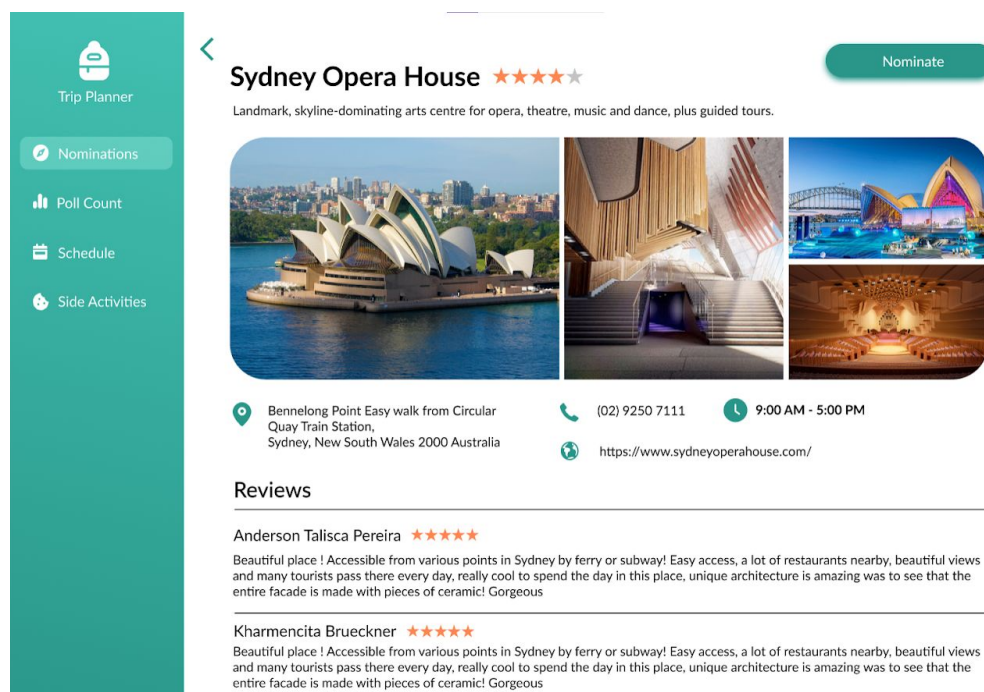


Link: <https://www.figma.com/file/aUft3XX1nh2z7utlpJrsez/SENG2021?node-id=0%3A1>

2. Nominations Page



3. Activity Details Page



4. Questionnaire Pop-up

Nominations *Don't know where to go?* Team Mongoose

Search for place

Rate your interest in each type of activity

	0	1	2	3	4	5
Nature	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sightseeing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sport	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Recreation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Picnic/Park	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Tourist Attraction	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Cultural	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Find activities

Eagle Rock ★★★★★

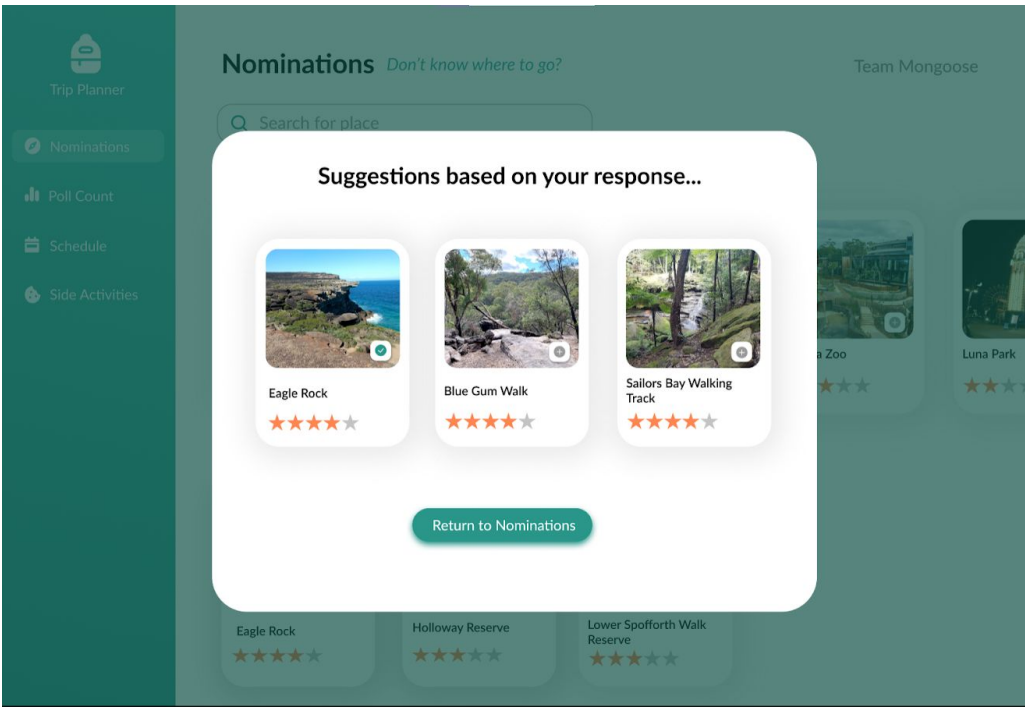
Holloway Reserve ★★★★★

Lower Spofforth Walk Reserve ★★★★★

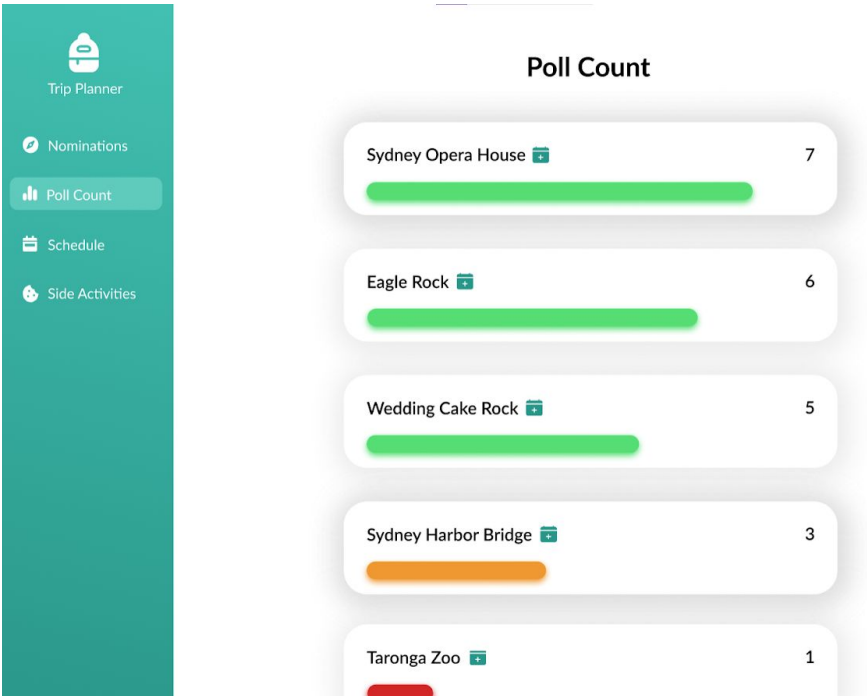
a Zoo ★★★

Luna Park ★★★

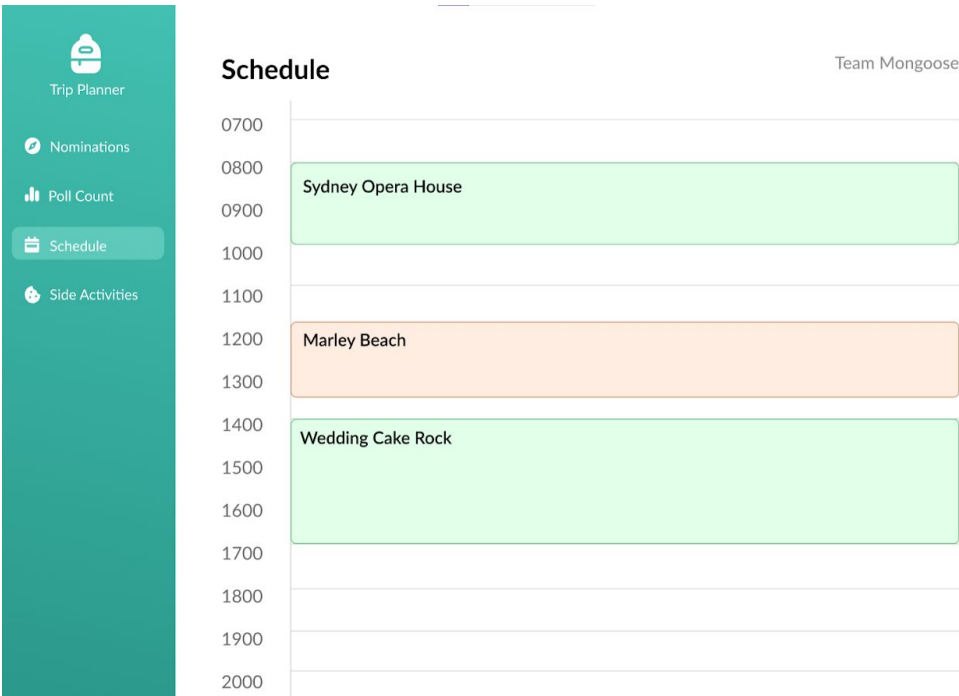
5. Activity Suggestion Pop-up



6. Poll Count Page



7. Schedule Page



8. Side Activity Suggestions Page

