



barefoot

one step at a time



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Problem

- Technology has made it incredibly easy to live a sedentary lifestyle and lose awareness of the environment around us. This lack of environmental education and care towards nature makes it difficult for individuals to take action to live sustainably.

Solution

we hope **barefoot** can help people foster a deeper connection with the outdoors by immersing them in nature with contextual learning.

Overview

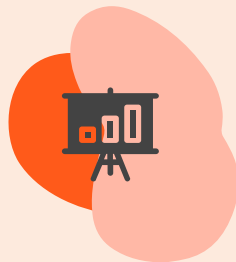


Heuristic evaluation +
revised design

Overview



Heuristic evaluation +
revised design

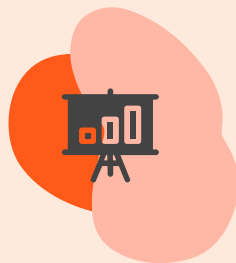


Prototype status

Overview



Heuristic evaluation +
revised design



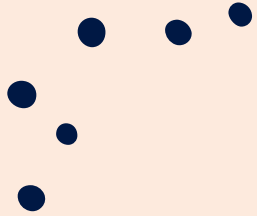
Prototype status



Demo!



Heuristic Evaluation



Heuristic Eval Results

19 total 3-4 violations

9 changes

One left unchanged

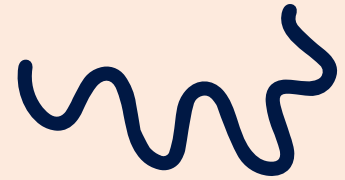
36 total 1-2 violations

9+ changes

Most violated: H1: Visibility of Status , H4: Consistency & Standards , H2: Match between
Sys & World



Design Revision Severity: 3-4



Problems (Related to med-fi limitations):

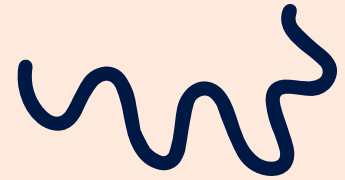
1. Creating landmark location is unclear
2. Unclear what feed content is
3. No option to not record trail
4. Recording doesn't continue when accessing rest of app

Fix:

Hardcoded into application / intended to work in high-fidelity



Design Revision Severity: 3-4

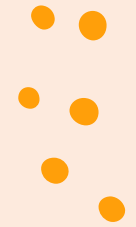
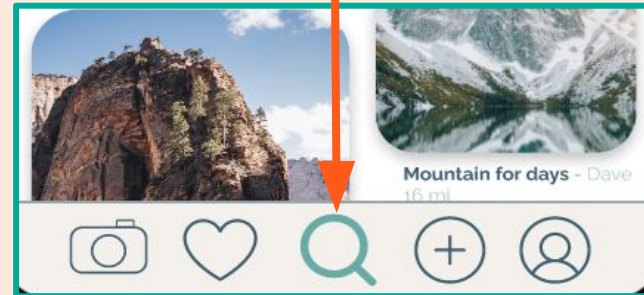
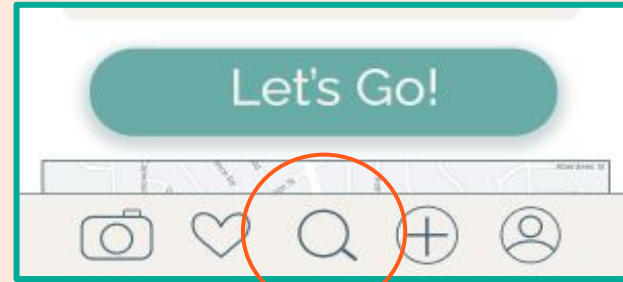


Problem 5:

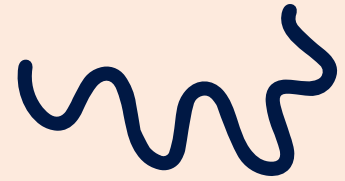
Unclear which page of menu is currently selected

Fix:

Bold icons on current page!



Design Revision Severity: 3-4

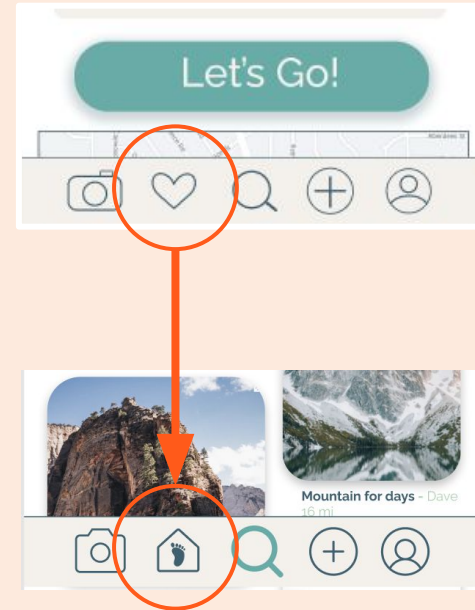


Problem 6:

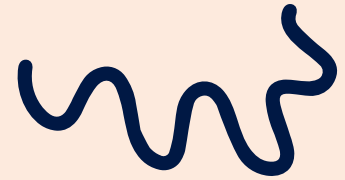
Unclear function for heart icon on menu

Fix:

Changed icon to signify social media feed



Design Revision Severity: 3-4

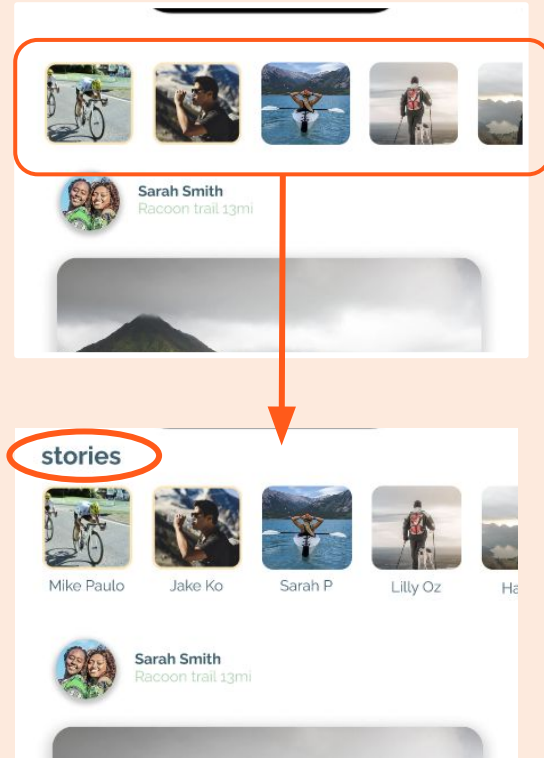


Problem 7:

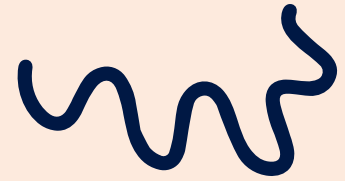
Unclear what profile photos on top of feed are for

Fix:

Labeled stories with usernames!



Design Revision Severity: 3-4

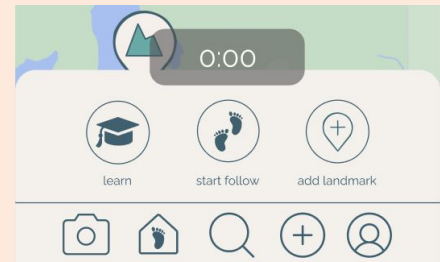
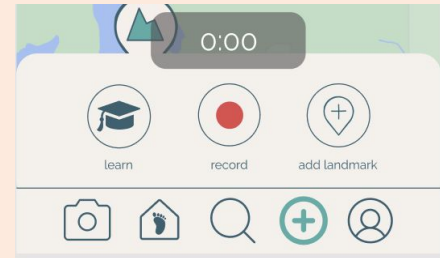


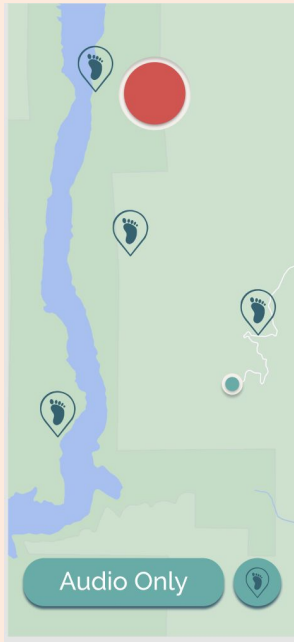
Problems:

8. Unclear what recording button is for
9. Unclear what pause and stop buttons are for
10. Confusion surrounding overall purpose of recording
11. Unclear if record button is the same as record for those who didn't create the hike.

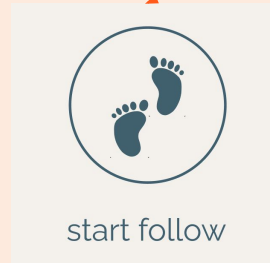
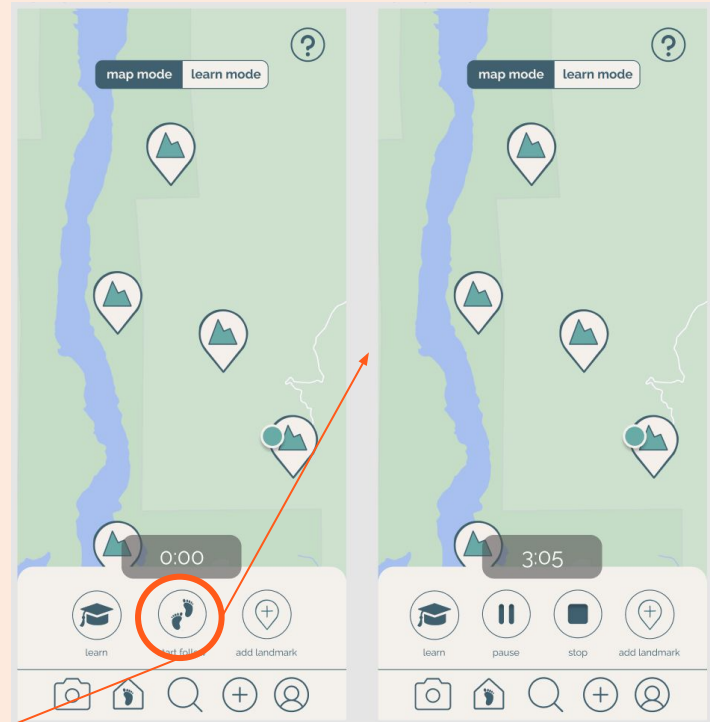
Fix:

- Onboarding tutorial!
- Reconfigure recording pages



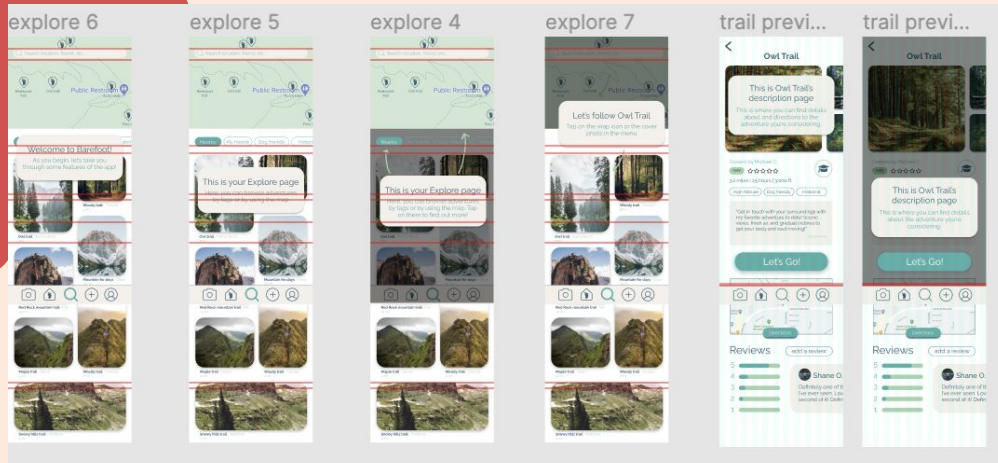


Before:
confusing recording buttons



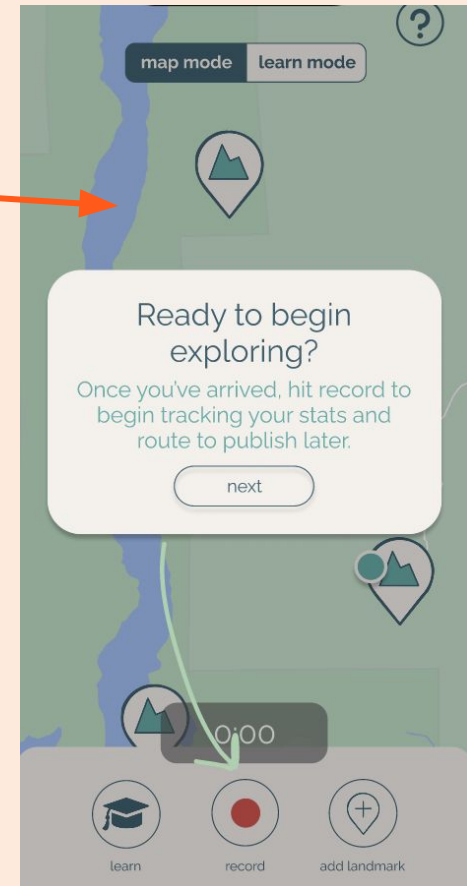
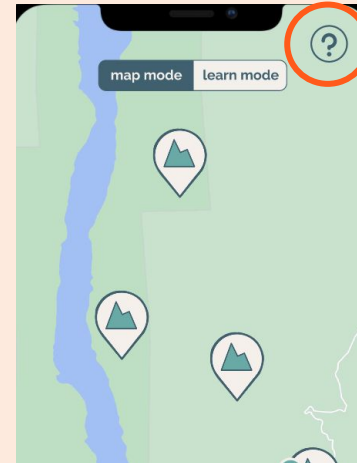
After: onboarding process for follow trail
and create trail



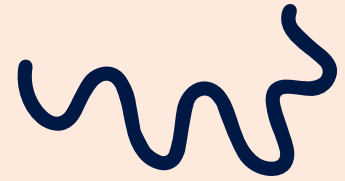


Before: no onboarding process

After: onboarding process for follow trail and create trail



Design Revision Severity: 3-4

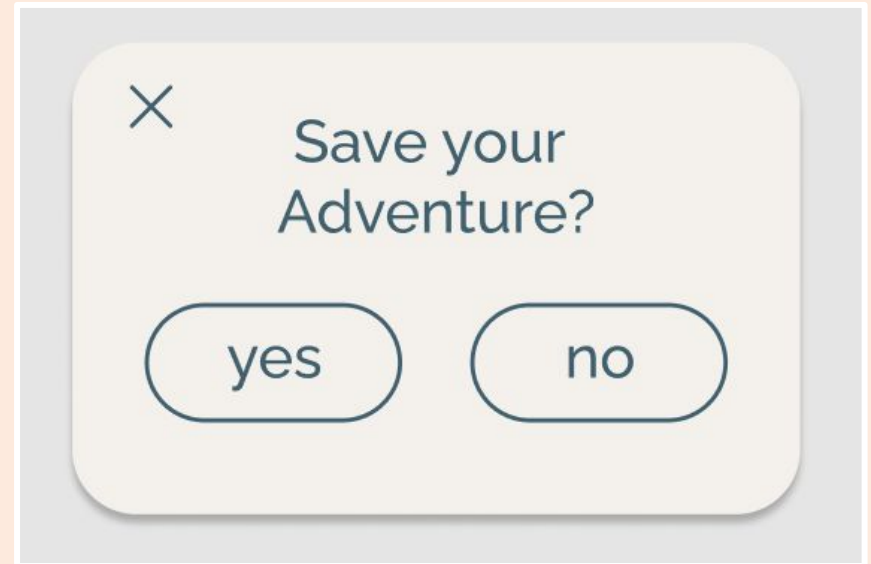


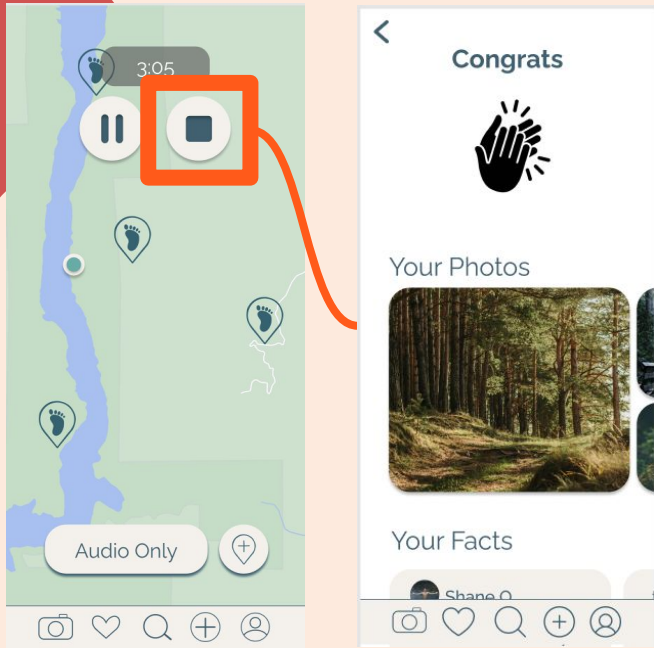
Problem 12:

No option to delete recording

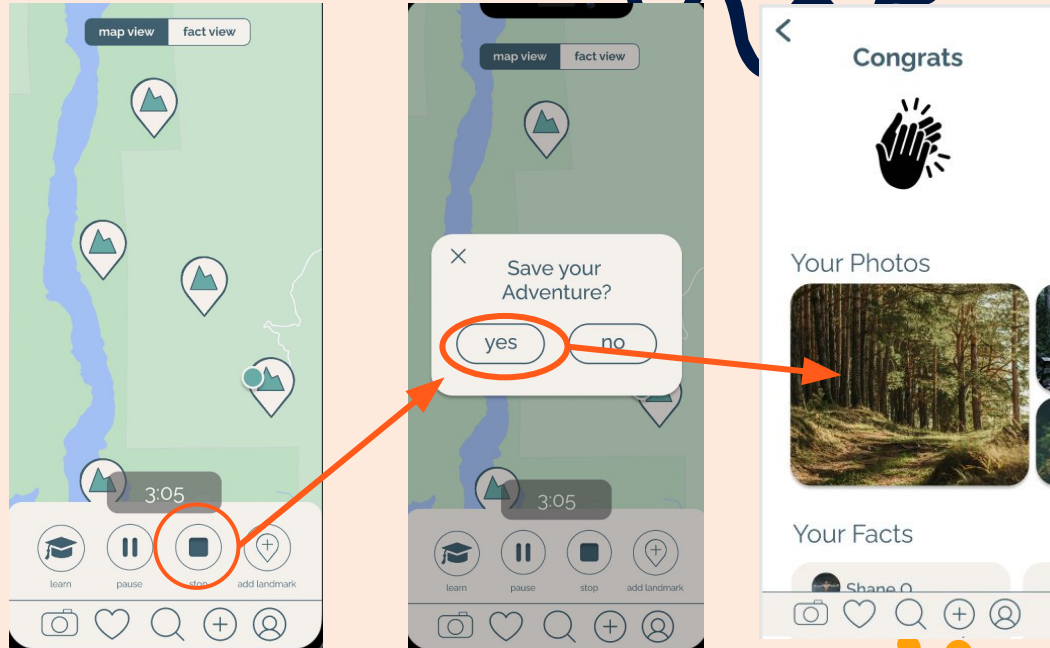
Fix:

After ending hike, option
to delete or save
recording



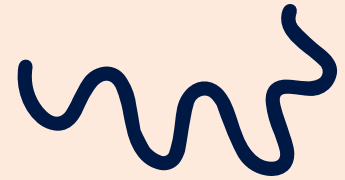


Before: straight to congrats page



After: Asks to save or delete adventure

Design Revision Severity: 3-4



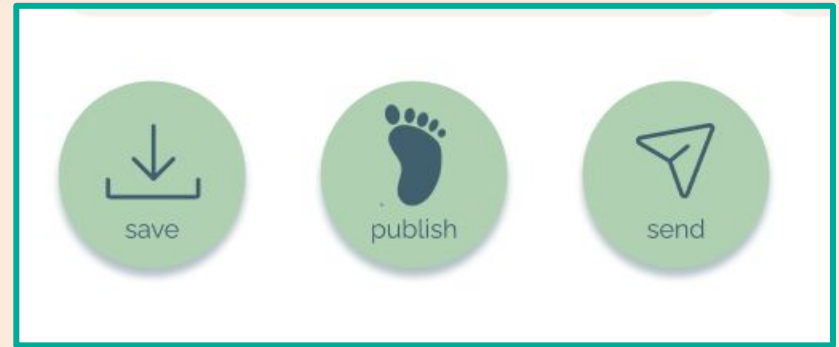
Problems:

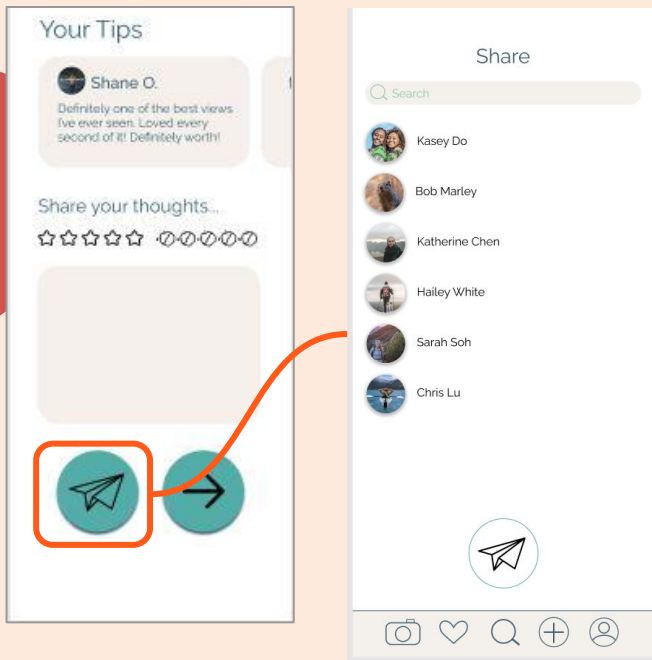
13. Unclear what it means to share a hike vs. publish

14. What happens when you share?

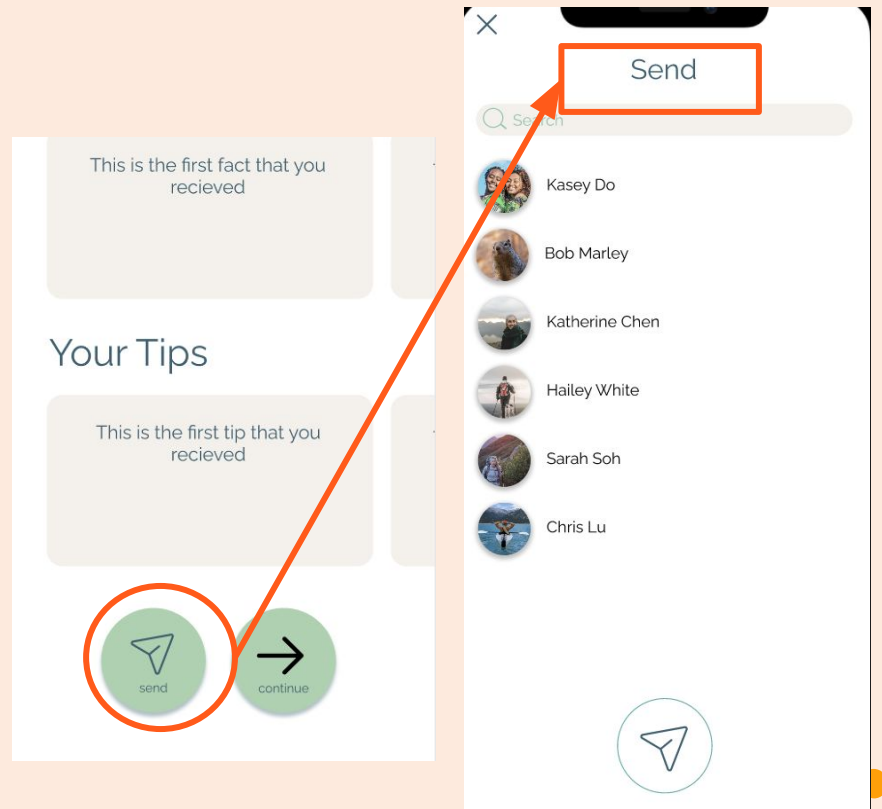
Fix:

Label buttons and rename share to send



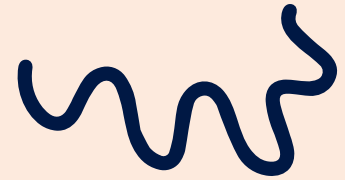


Before: buttons were not labeled and it was unclear what sharing would do



After: buttons are labeled and share was reworded to send

Design Revision Severity: 3-4

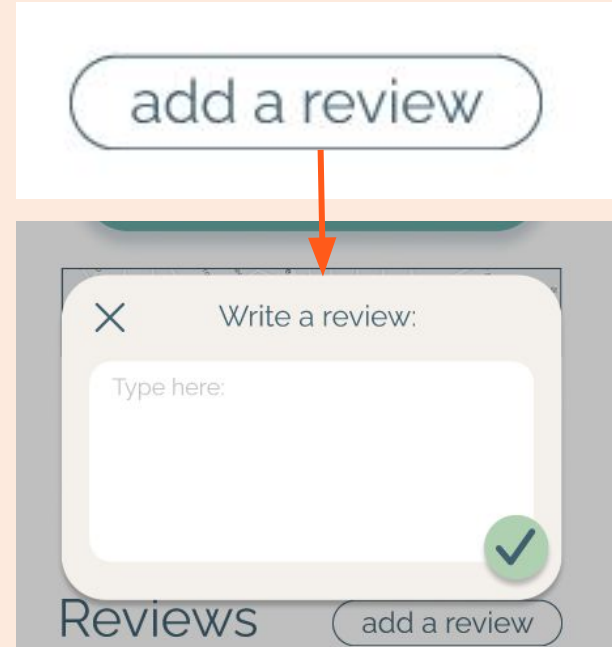


Problem 15:

User is only allowed to leave reviews after they finished hike

Fix:

Add “add review” option in trail detail page



Share your thoughts...

Your Rating: ☆☆☆☆☆

Your Difficulty: 🏔️🏔️🏔️🏔️🏔️

Type review here...



send



back to explore

Created by Michael C.

easy ☆☆☆☆☆

3.2 miles | 1.5 hours | 3,000 ft

High Altitude

Dog friendly

Historical

"Get in touch with your surroundings with my favorite adventure to date! Scenic views, fresh air, and gradual inclines to get your body and soul moving!"

show more

Let's Go!



Reviews

5

4

3

2

1



Shane O.

Definitely one of the I've ever seen. Loved second of it! Definite

Reviews

add a review

5

4

3

2

1



Shane O.

De

I've

see

Let's Go!



Write a review:

Type here:



Reviews

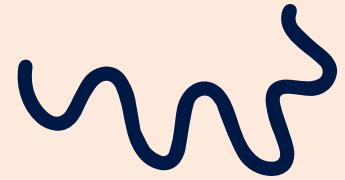
add a review

5

Before: only place to write a review was after hike. No option to add a review in the review section of the trail description

After: created option to add a review in the trail detail/ description page

Design Revision Severity: 3-4

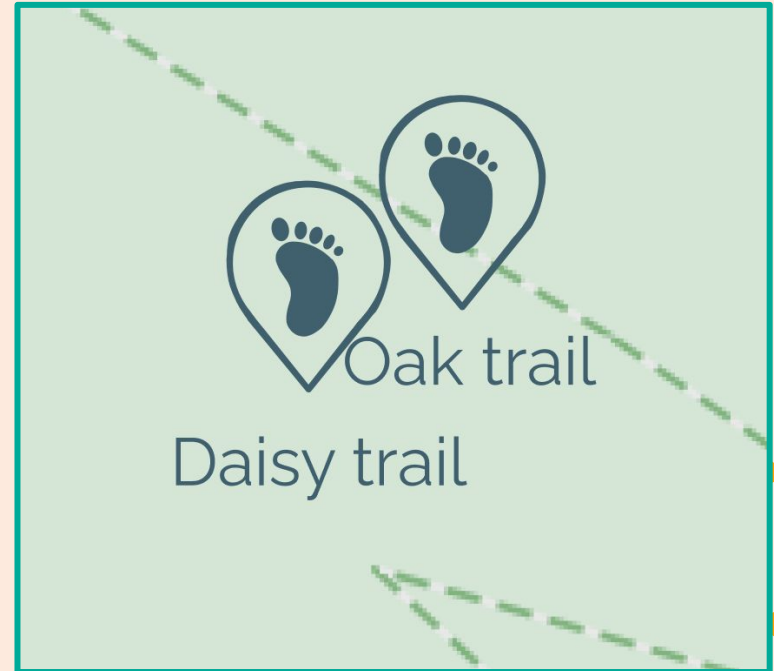


Problem 16:

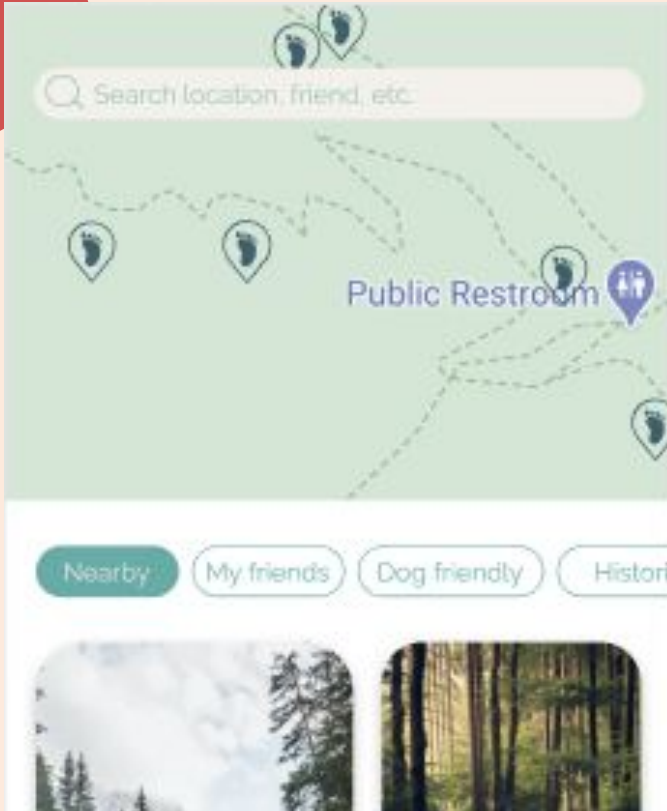
Footprint icons on map did not signify which page you will be visiting

Fix:

Add trail name on map (similar to google maps)

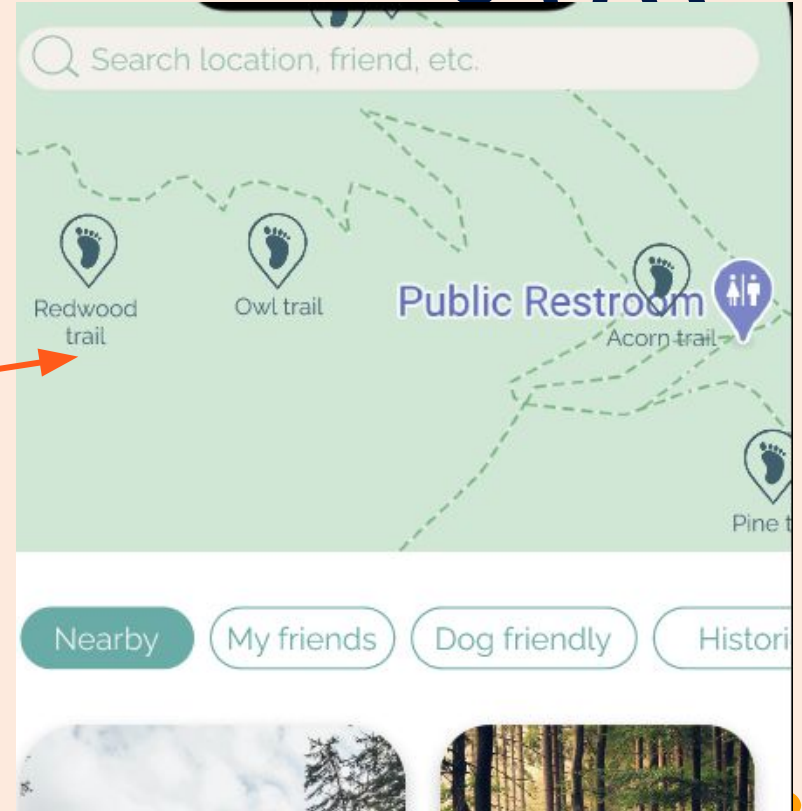


Before

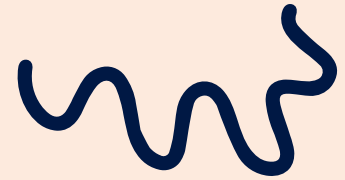


After

was



Design Revision Severity: 3-4



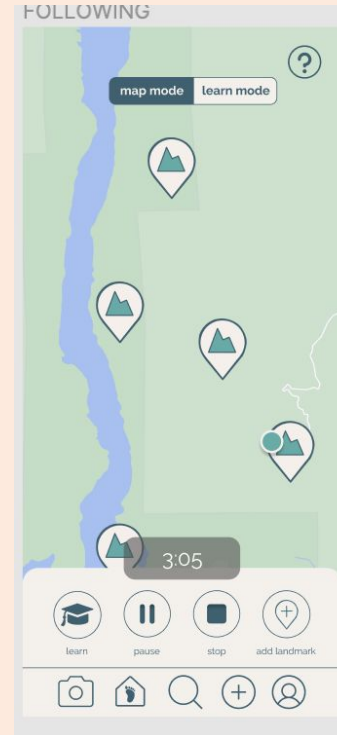
Problems:

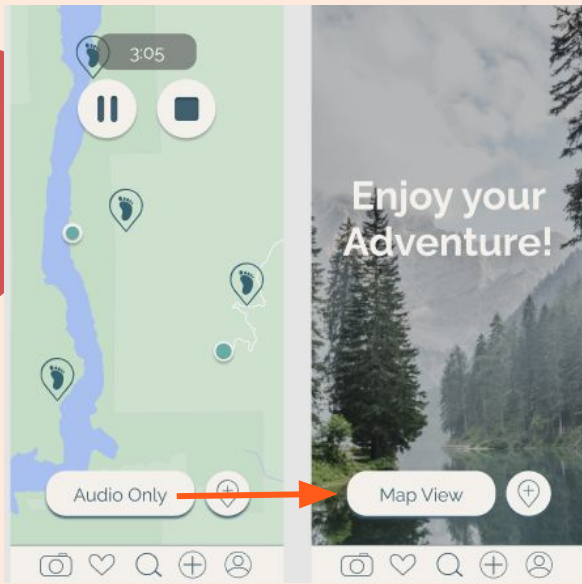
17. Unclear function with audio only button

18. Audio only button label implies there is audio in map view

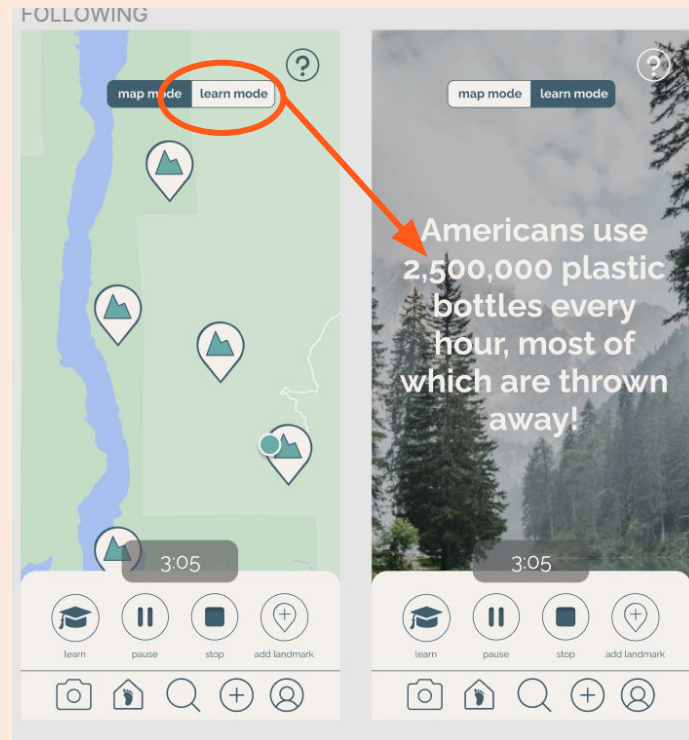
Fix:

Review audio only page and replace with learn mode





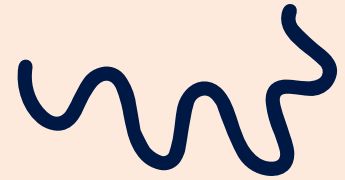
Before: audio only view button was confusing and function of audio only page was unclear



After: toggle between map mode and learn mode for 2 different ways of engaging with hike



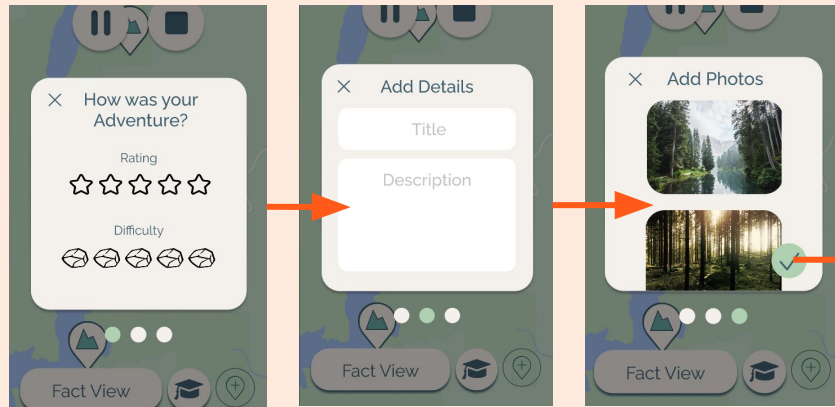
Design Revision Severity: 3-4



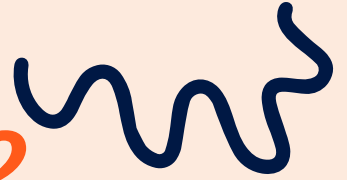
Unchanged Problem:

19. How do you prevent accidentally posting a trail?

Already have a sequence that prevents accidentally posting a trail



Design revision severity: 1-2



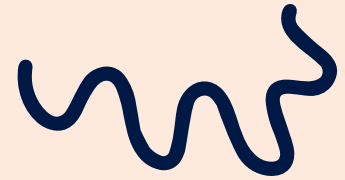
Problem

1. “Watch out for” list is not accessible during hike
2. Landmark icons are unclear and the same as trail icons
3. Audio and map are not independent - can you listen while on map view?
4. Unclear what it means to create landmark does
5. No indication of what next arrow does after reviewing a hike
6. Unclear what saved is in profile
7. School/ learn button doesn't look like a button
8. No indication on how to exit add landmark popup
9. Unclear back button on congrats page





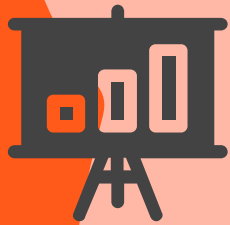
Design Revision Severity: 1-2



Solutions:

1. “Watch out for” list is accessible during hike
2. Landmark icons are different than trail icons
3. Audio and map are not independent - can you listen while on map view?
4. Explain what creating a landmark does
5. Remove next arrow
6. Change saved in profile to bookmarked for clarification
7. Change learn button to look more like a button
8. Emergency exit on landmark popup
9. Fix back button on congrats page

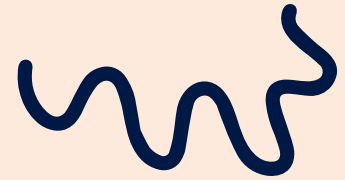




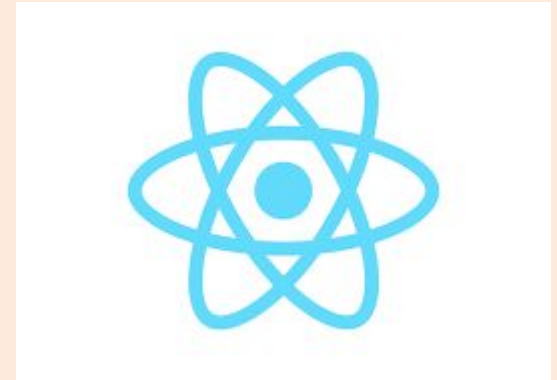
Prototype Status



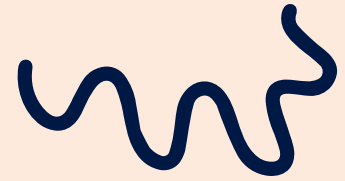
Tools Used



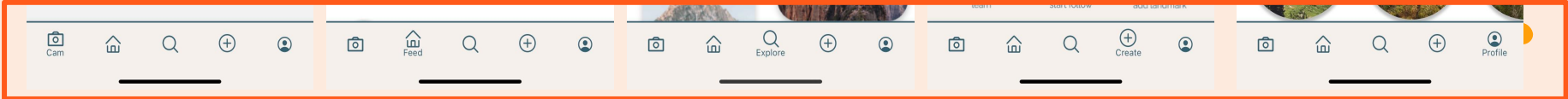
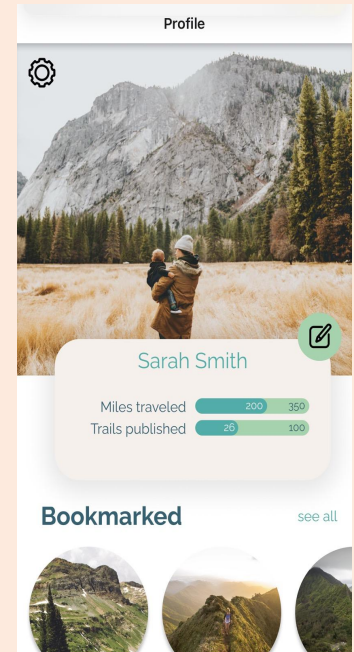
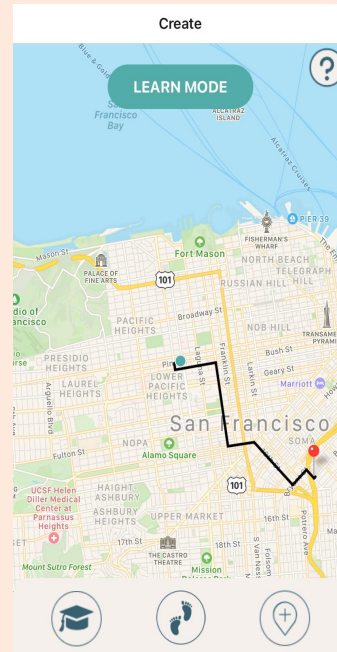
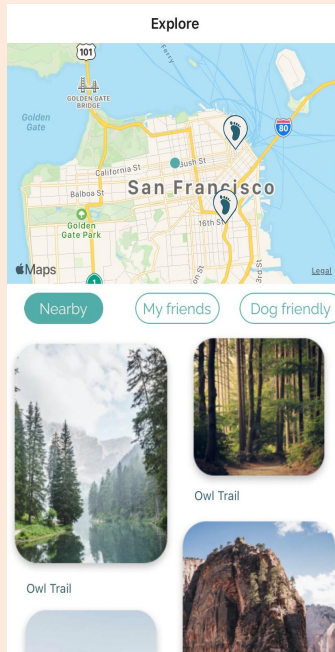
- Mobile app built in React Native
- Various React Native components/API
 - React Native Maps
- Overlays and sliders



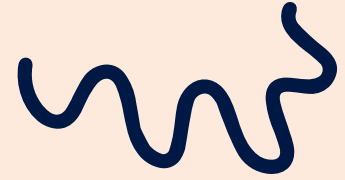
Implemented Features



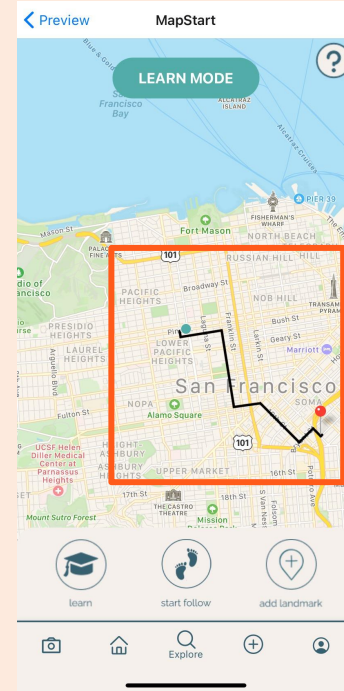
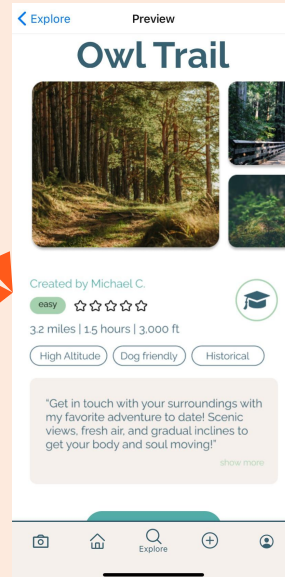
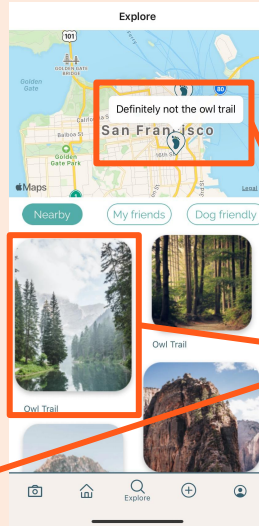
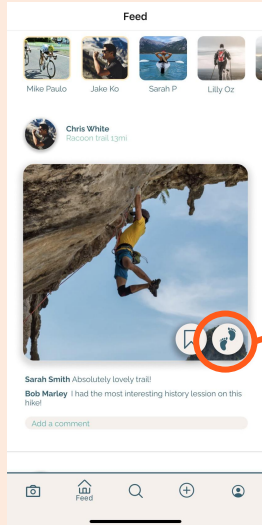
Primary screens w/ nav bar



Implemented Features



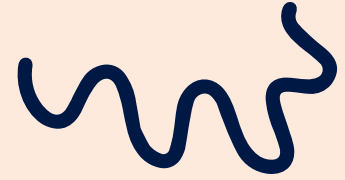
Finding adventures through feed/explore



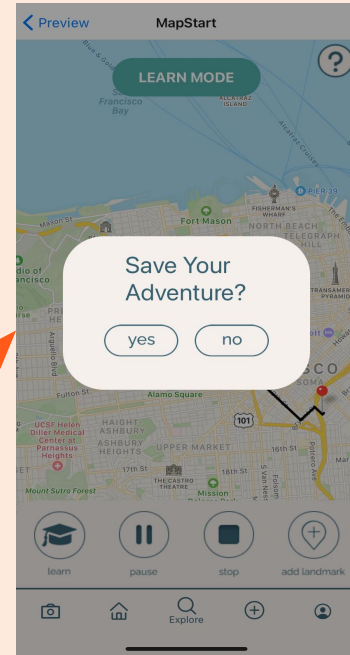
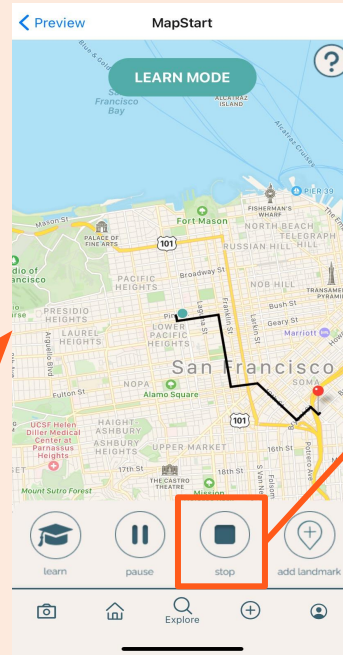
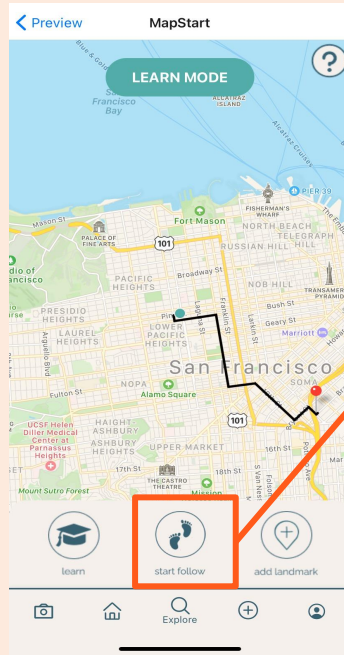
Interactive map w/
adventures



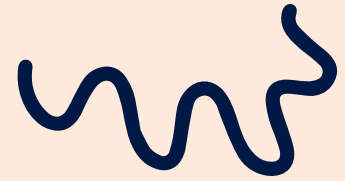
Implemented Features



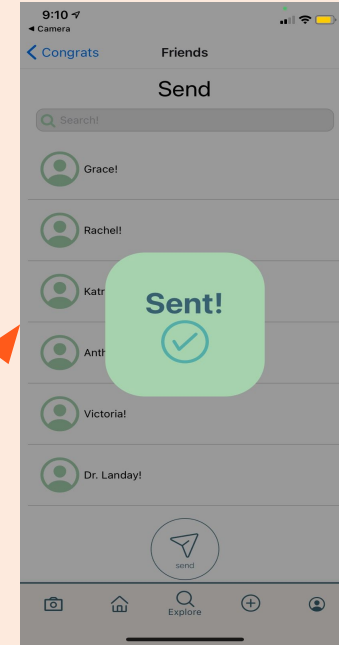
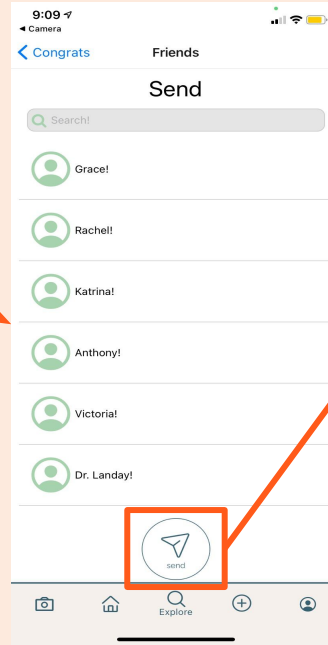
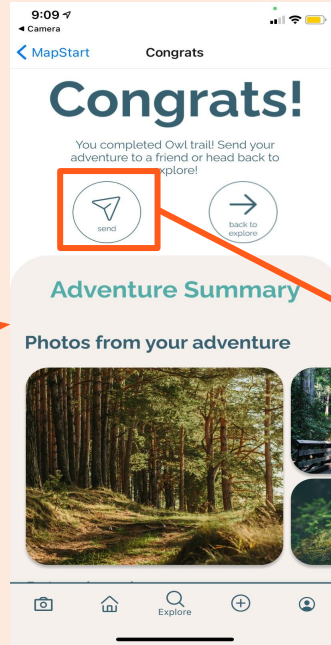
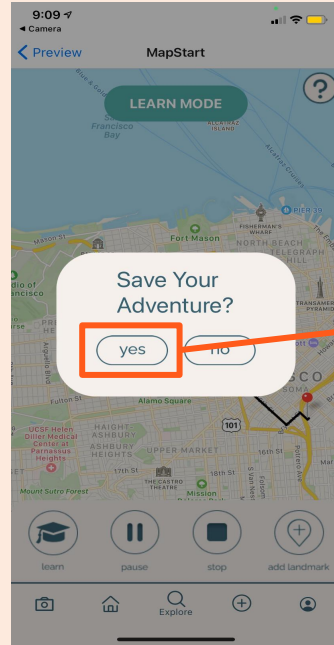
Following &
recording a pathway



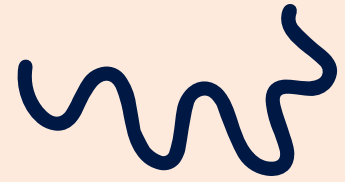
Implemented Features



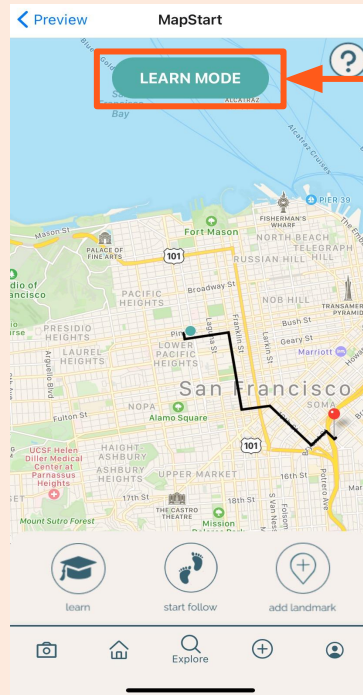
Sharing adventures



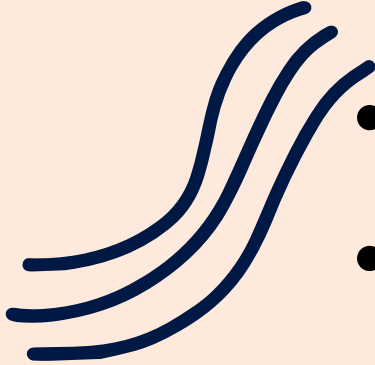
Implemented Features



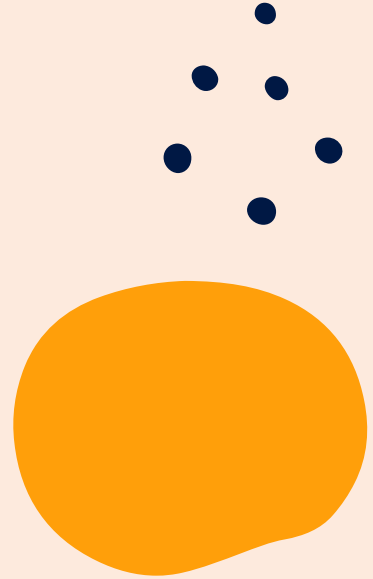
“Learn” and “Map” Modes



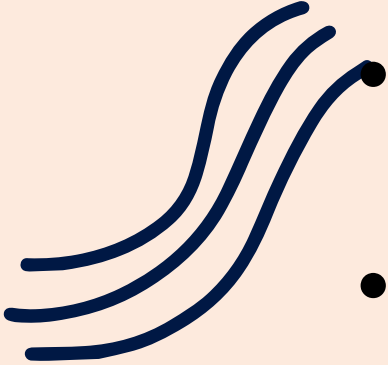
Things to Complete



- Refining various UI elements to match med-fi
- Finishing trail creation task flow
- Extra features (i.e, adding landmarks)
- Help button overlay

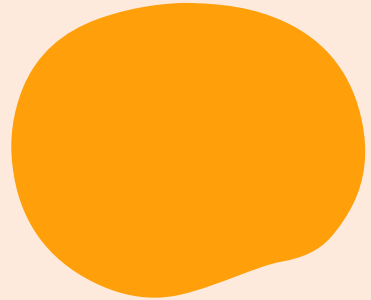


Wizard of Oz



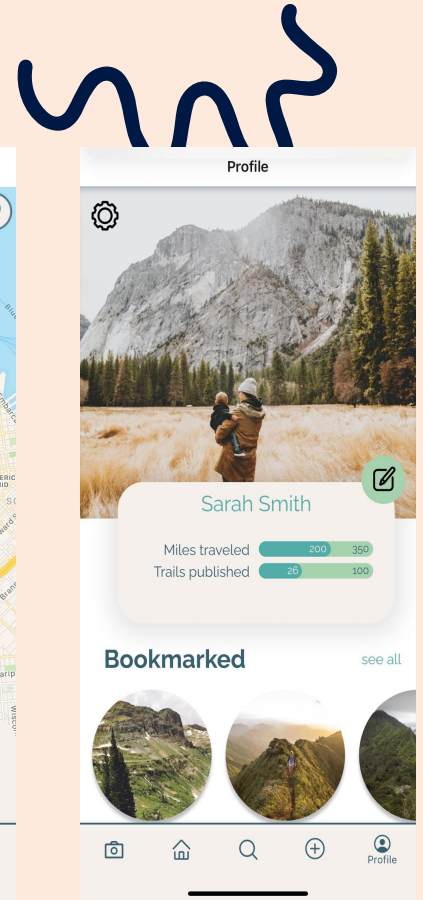
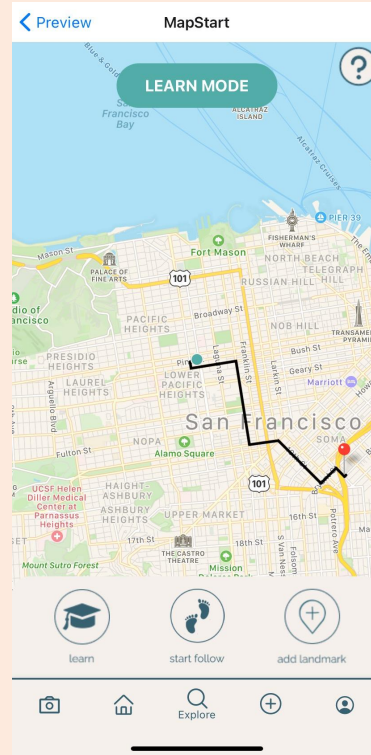
The “recording” function doesn’t actually record and “following” doesn’t track location

- Trail path is auto generated using maps API
- The provided fact is not based on location

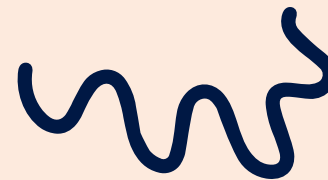


Hardcoded Data

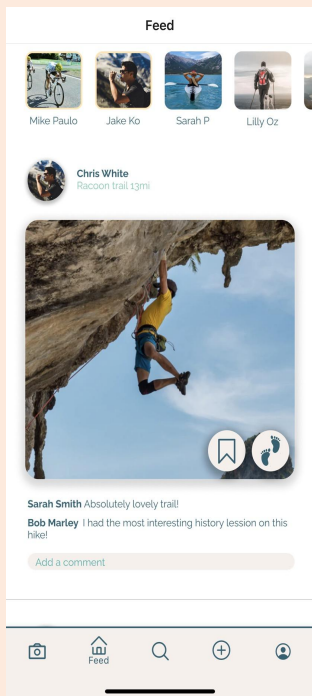
- Fixed map location
- Pre-defined trails
- Contact list, profile, and feed



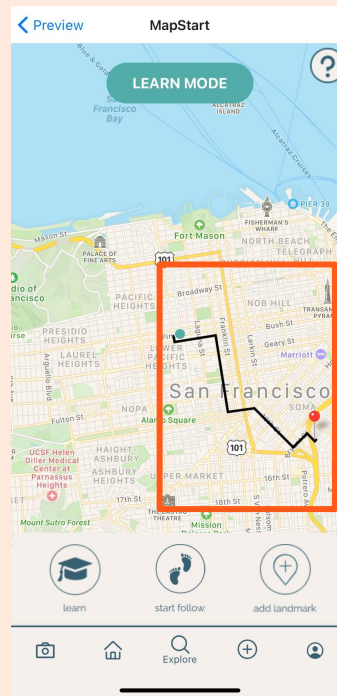
Issues/Questions



Unsure about specificity:



Should we display new post in feed once trail is published?



Should we track user location and movement?

(currently fixed in SF)



summary

1

made 9 changes to address severity levels 3-4 and 9 minor changes for 1-2 severity



2

1 task fully completed for Hi Fi Prototype

3

3 remaining tasks are 50% completed

4

on track to finish by our goal deadline!



Demo!

