

Design Report

A website designed for sightseers with the options of comparing trails, contacting other hikers, and filtered searching results.

Amy Dong



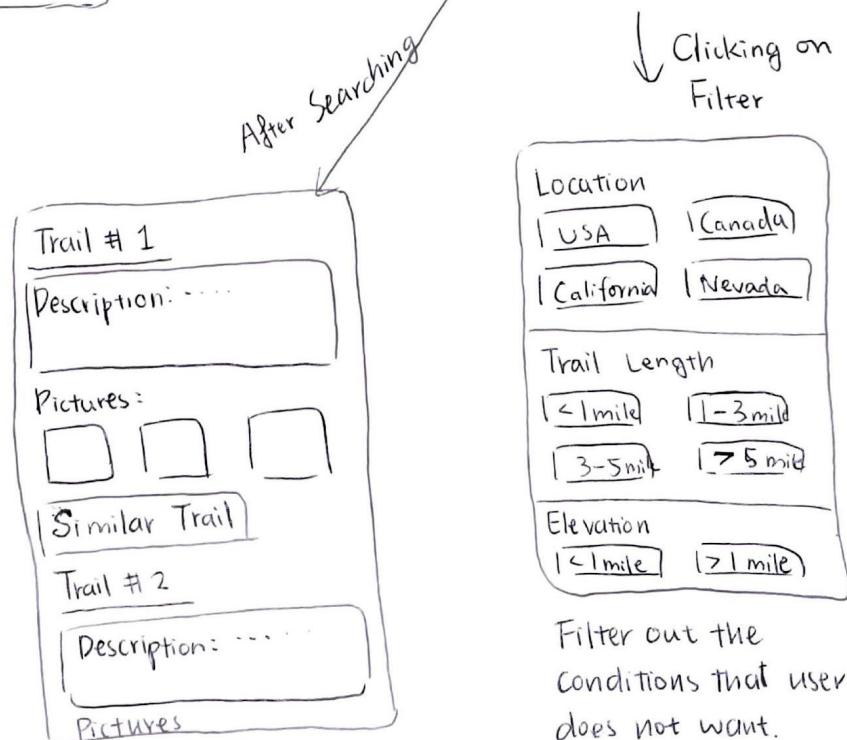
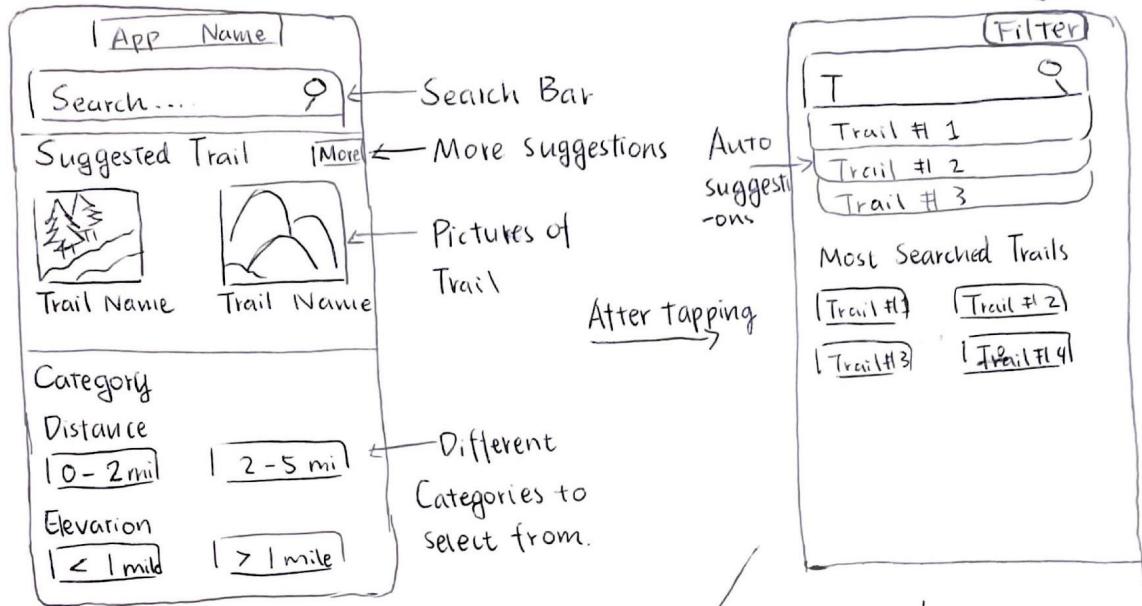
Mood Board



This mood board is designed for the sightseers. Sightseers like to see beautiful views and taking pictures. So the pictures I choose all have a romantic feeling to it. The colors are more towards the warm side which would give a sense of dreamy and calm feeling. The shapes I used to represent the colors are clouds shapes. Because my images have sharp edges, it would smooth the edges of the picture by using cloud shape colors. The pictures I choose go from bright to dark from left to right. It is gradually changing.

Interaction Sketches

Refined Sketch #1 Search / Newly Discovered Feature Filter Built-in

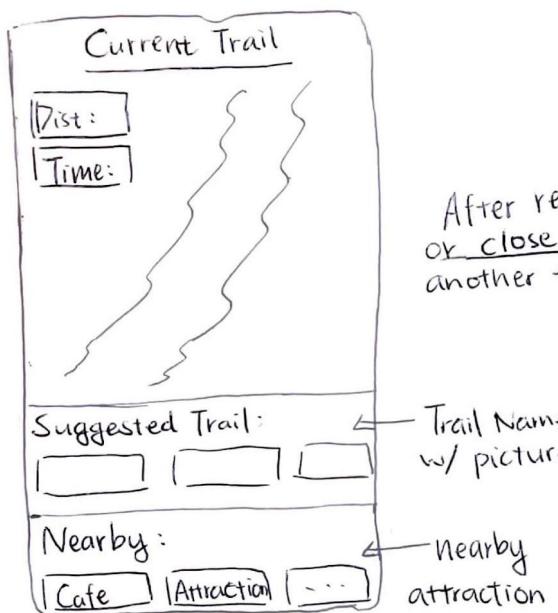


Location	<input type="checkbox"/> USA	<input type="checkbox"/> Canada
	<input type="checkbox"/> California	<input type="checkbox"/> Nevada
Trail Length	<input type="checkbox"/> < 1 mile	<input type="checkbox"/> 1-3 miles
	<input type="checkbox"/> 3-5 miles	<input type="checkbox"/> > 5 miles
Elevation	<input type="checkbox"/> < 1 mile	<input type="checkbox"/> > 1 mile

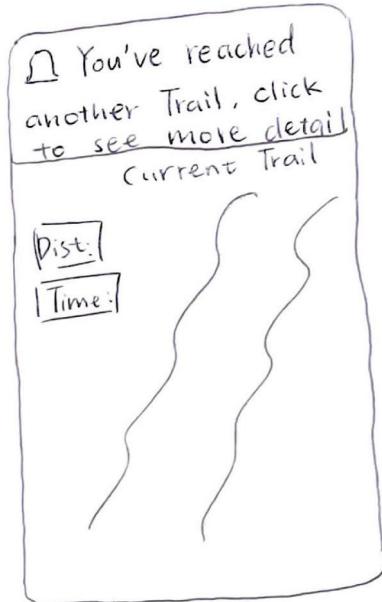
Filter out the conditions that user does not want.

Continues downward until all suggestions are gone.

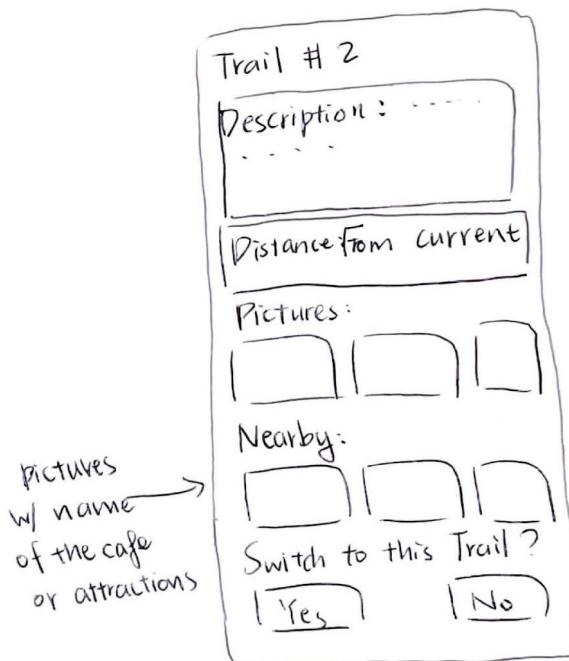
Refined Sketch # 2



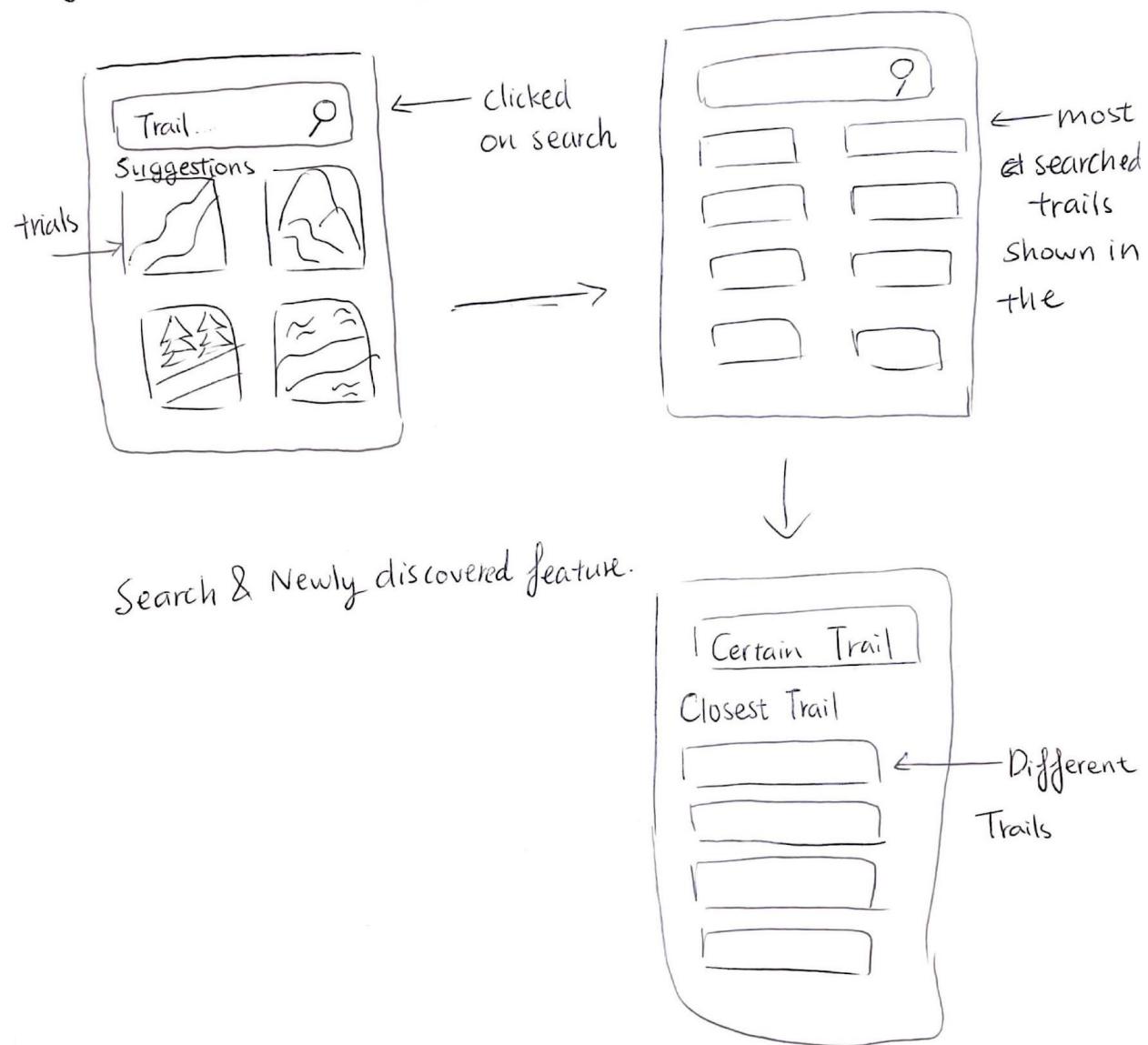
After reaching
or close reaching
another trail



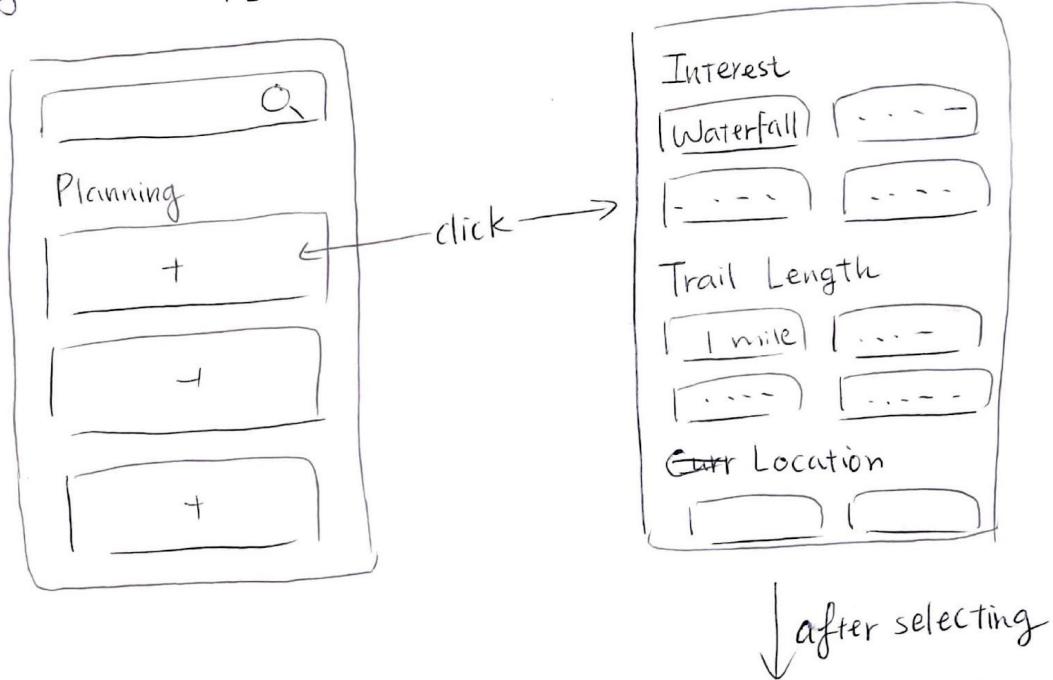
↓ clicking another
Trail



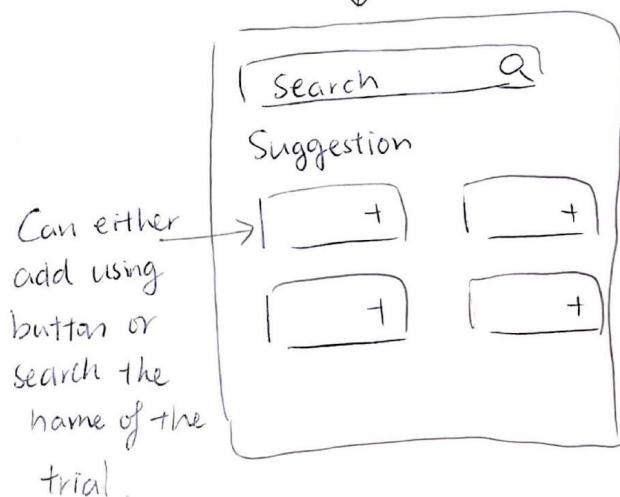
Rough Sketch # 1 / Sightseer.



Rough Sketch #2



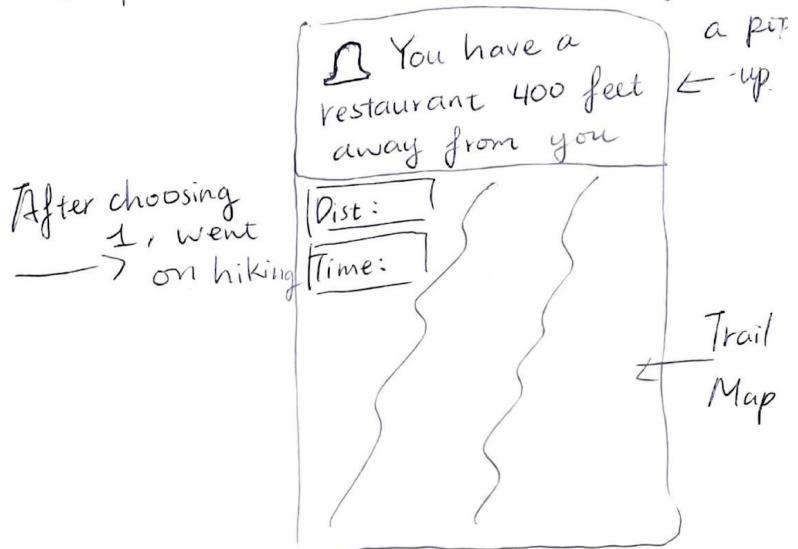
Search & Planning.



Rough Sketch #3

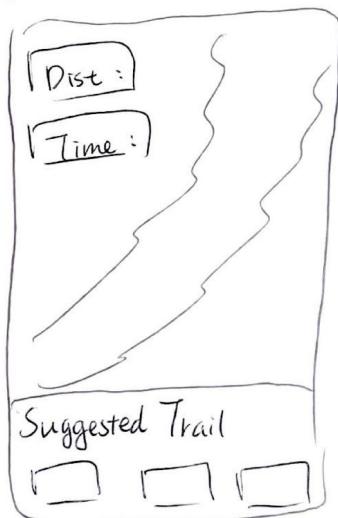
Trail #1	Trail #2
Distance	---
Water	---
Important Sight ?	---
---	---
---	---

Comparison & Alert & Newly discovered feature



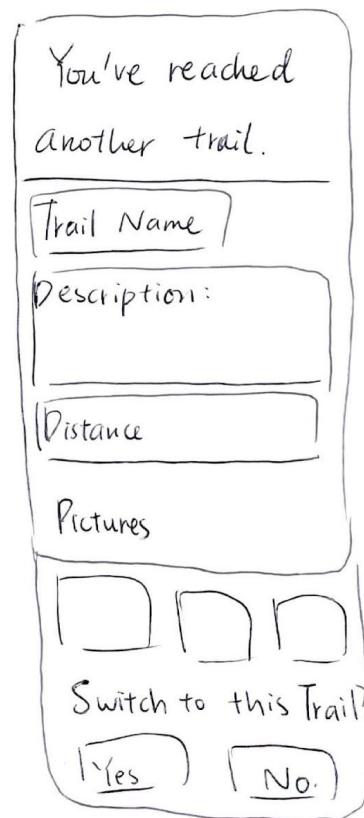
Rough Sketch #4

while on a hike...



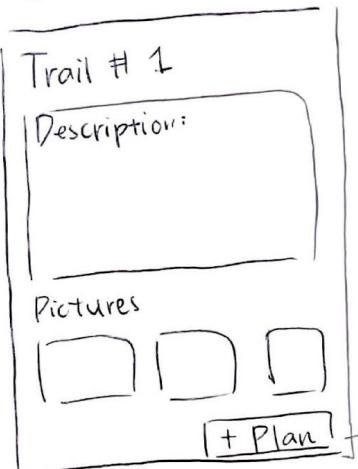
Once reach
a separation
on a trail

Alert & Fork in the Trail

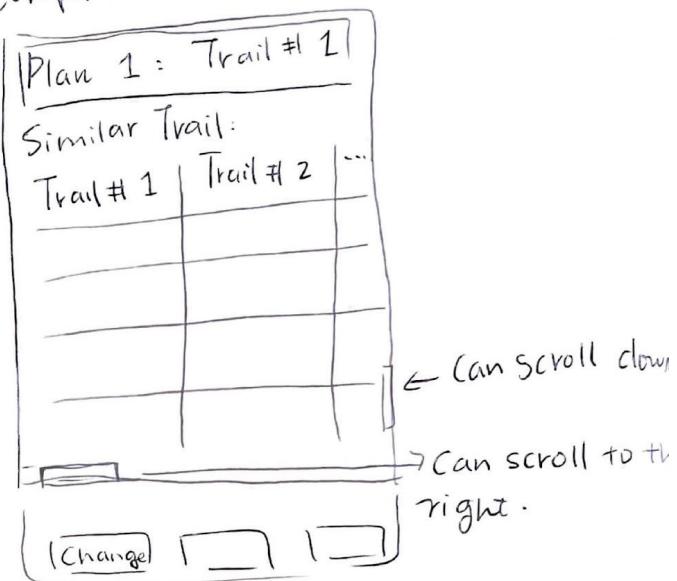


Scrolling
down

Rough Sketch #5



Plan & Comparison



Hand-Drawn Wire Frames

The image displays four hand-drawn wireframe prototypes for a mobile application, arranged in a 2x2 grid.

- Top Left:** A search screen with a vertical scroll bar on the left. It features a logo at the top, a search bar, and a section titled "Strongly Recommend" with three small trail icons labeled "Mouse King", "Cheese", and "ILL". Below this is a "Plans" section showing a date "06/27/2022" and a plan titled "Day of Fun" with a pencil icon. At the bottom is a "Views Near You" section with four small landscape icons.
- Top Right:** A search screen with a vertical scroll bar on the left. It has a search bar at the top, followed by sections for "Location" (LA, SJ, Type...), "Length" (0.5mi, 0.5-1, 1-1.5, min-max), "Elevation" (50ft, 50-100, 100-150, min-max), and "Difficulty" (Beginner, Intermediate, Advanced, ...). Below these is a "Most Searched Trails" section with three small trail icons and a house icon.
- Bottom Left:** A results screen titled "After Searching" with a vertical scroll bar on the left. It shows three trails:
 - Trail #1:** Description: _____, Length: 0.55 mile, Elevation: 10 ft, Difficulty: Beginner, More button, location and battery icons.
 - Trail #2:** Description: _____, Length: 0.8 mile, Elevation: 5 ft, Difficulty: Beginner, More button, location and battery icons.
 - Trail #3:** Description: _____, More button, location and battery icons.
- Bottom Right:** A detailed view of Trail #1 with a vertical scroll bar on the left. It includes:
 - Trail #1: Description: _____, Add to Plan button.
 - Reviews: 8 ★★★★, 8 ★, + button.
 - Pictures: Two small landscape icons.
 - Attractions: Two small attraction icons.

A note at the bottom left says: "Swipe Left to go back."

Pressing near Plans

Plan

Day of Fun	06/27/2022
1	-
2	-
3	-
<input checked="" type="checkbox"/>	
+	

Day of Fun

Trail #1 added

Similar Trail:

	Trail #1	Trail #2
Elev.	10 ft	5 ft
Leng.	0.55 mile	0.8 mile
Diff.	Beginner	Beginner
Nearby Attrai? -tions	Yes	No

+

+

9:00 Meet at trail

9:30 Stop for water



-

Press Map Icon

Trail #1

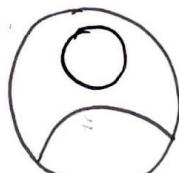
You've walked 0.1 mile
0.45 mile Towards destination

Suggested Trail Near You:

Nearby Hikers

Adam	Amy	Bin
------	-----	-----

Amy has sent you an invitation to hike together.



Hi, I'm

Amy

Amy D.

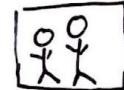
Preference: Beginner 0.5-1 mile

< 50 ft

Recent Hikes:

Reviews: Good

Photos:



You've reached another Trail.

Trail # 1 More



Trail # 2

Description: _____

	Trail # 1	Trail # 2
Elev	10 ft	5 ft
leng.	0.55 mile	0.8 mile
Diff	Beginner	Beginner



Switch?

Yes No



FeedBack for Another Students

#p1-2-sketches - 6月24日



Yuhan Dong 中午 11:58

1. Very detailed. Functions of each block is very clear. The icons used are commonly used with the same function. It is easier for users to understand.
2. On the description it would be better if shown which block is about what aspects of the trail. It would be better if you can
3. The map would be confusing if there is no destination or leading arrow indicating where you are going. It would be better if added your current distance towards the ending.
4. The pop up window, alert, and filter function should be kept.

👉 1个回复

#p1-2-sketches - 6月24日



Yuhan Dong 中午 11:54

1. It is very detailed. The sending invitation function is very interesting.
2. I think it would be applicable if you can choose to switch to views in the refined sketch 2. Because you already have views near you, you can switch to it.
3. The arrows on refined sketch 1 near the thumbs up seemed a bit confusing.
4. The first refined sketch should keep the option to let users to switch trials and start a new navigation. The second refined sketch should keep the comparison option and the user looking for you option.

Documentation of Prototype

Name of the Website: Sun Sight

Tagline: Plan, View, and Meet Up with others.

Project description of the situations, tasks, and users your website addresses for the stakeholders at TERRA INCOGNITA NATIONAL PARK: On this website, you can add trails to your planner. You can plan your trip ahead of time. You can also search using filters. You can also compare two different trails when planning your trip. When you receive alerts about people wanting to meet you, you can also take a look at their profile. You can also receive notifications when you reach a fork in your trail.

Description of the interface and interactions: All icons used in this website is commonly used by other website. The comparison table is easy to view. The map can be clicked in to google map. When someone contact you, you can immediately click on their profile. Every other web section you went to can be lead back to home with the bottom home icon. Also on the comparison page, when you want to add the certain trail to your agenda, just click on the add icon. It will be added to your agenda.

Description of STUs: This website is designed for sightseers. So there must be a lot of pictures visible for the users. When the user encountered a task of planning his/her day, they can do so in the planning page. When they are on a hike and reached a different trail, you will automatically get an alert. You can view the different trail and choose whether or not you would want to switch to the new trail.

Reflection of two Universal Principles of Design: One Universal Principle of Design is color. Colors can make designs more interesting and give the design a certain feeling. While using color in my design, I tried to limit the amount of colors visible. On the home page, the background color I chosen is orange, therefore, I use background pictures that consists of mostly warm colors. My moodboard is based on the idea of sunset. That is the reason why I choose orange. I think for sightseer users, they would want to see a beautiful sunset while traveling. It is also a very relaxing color. All the color combinations come from the color wheel with the same color tone.

Another Universal Principles is iconic representation. Iconic representation is using pictures to make a certain actions or objects for people to easily understand and

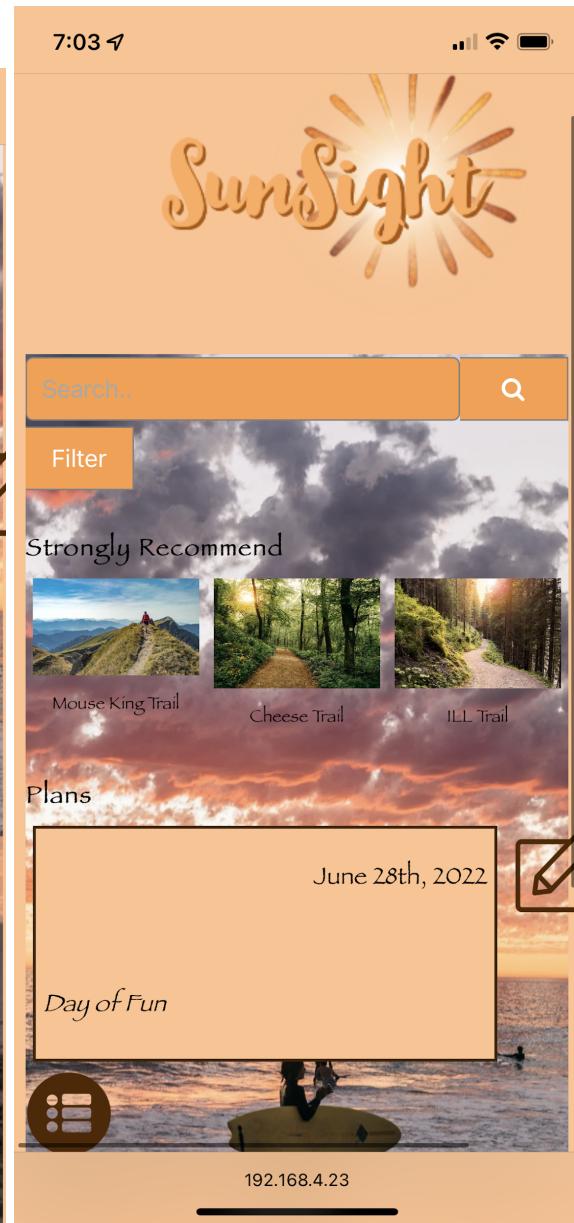
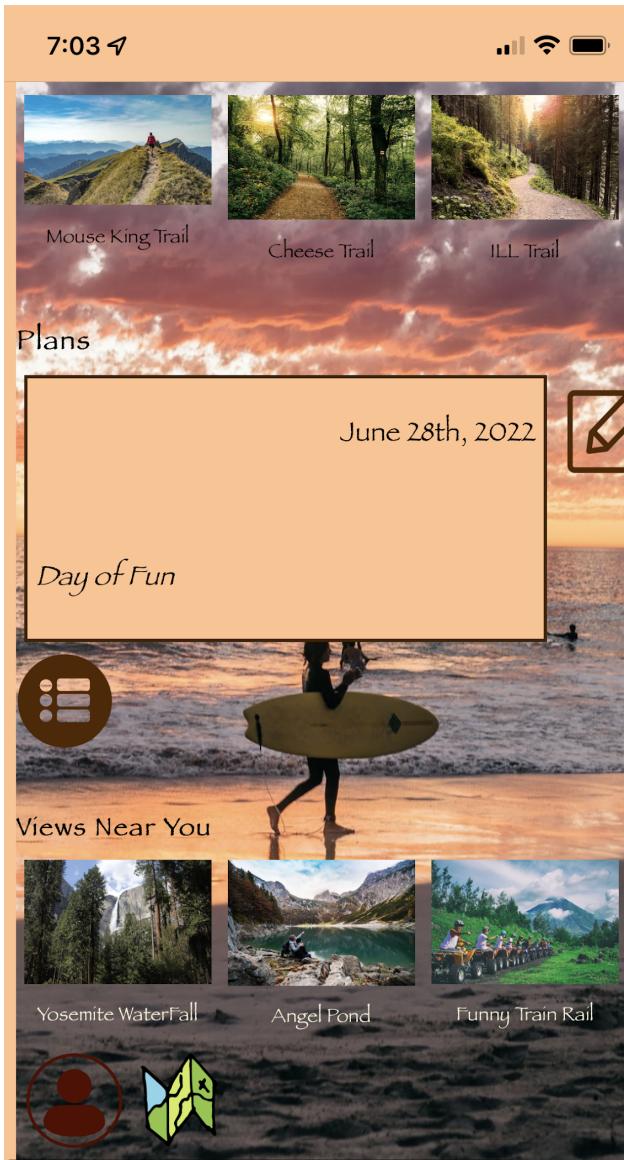
recognize. For example, in my design, the icon of home page is just a house.



Usually when users look at the house, they would think about home. Hence the idea of home page comes to their mind without adding addition caption stating that this is the

home page icon. Another icon I used is the user icon. It is also a more generic picture of a person. Seeing this icon, users would understand that this is the user icon. Clicking this would lead them to their own user page.

ScreenShots:



7:03 ↗

Plan

June 28th, 2022

Day of Fun

1. 9:00AM meet up at [Mouse King Trail](#)
2. 9:30AM Start walking.
3. 11:00AM Lunch Break. YAY!

+

7:03 ↗

Day of Fun

[Mouse Trail Added](#)

Similar Trail:

Features	Mouse King Trail	Cheese Trail
Elevation	10 ft	5 ft
Length	0.55 mile	0.8 mile
Difficulty	Beginner	Beginner

Nearby Attractions?

1. 9:00AM meet up at [Mouse King Trail](#)
2. 9:30AM Start walking.
3. 11:00AM Lunch Break. YAY!

7:03 4G

backpackers say is the finest mountain scenery in the United States. This is a land of 13,000-foot and 14,000-foot peaks, of lakes in the thousands, and of canyons and granite cliffs. The John Muir Trail is also a land blessed with the mildest, sunniest climate of any major mountain range in the world.

Length: 0.55 mile

Elevation: 10 ft

Difficulty: Beginner

Reviews:

Amy ★★★★
Really Nice Place.

Bin ★★★★
Nice views.

Ko
Too
bea

Picture:





192.168.4.23

7:03 4G

Bin has sent you an invitation to hike together. [Click to See more](#) ×



Amy D.

Preferences:

Beginner

0.5 - 1 mile

less than 50ft

Recent Hikes: Cheese Trail

Pictures:

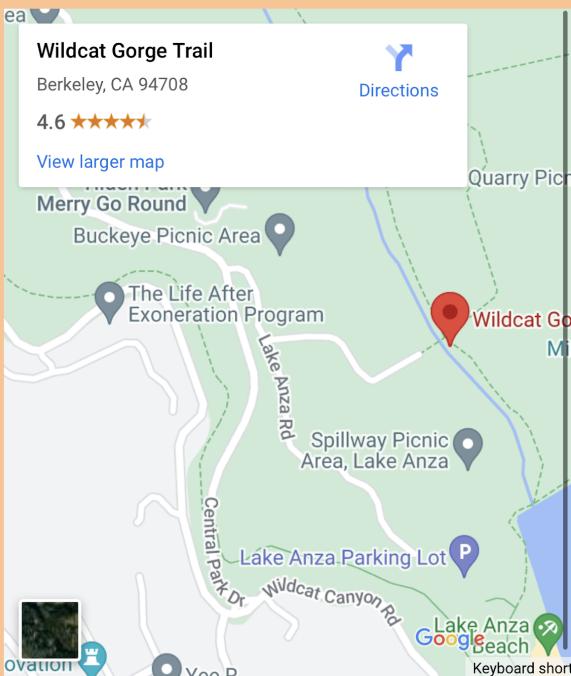


192.168.4.23

7:04 4G

Mouse Trail

Wildcat Gorge Trail
Berkeley, CA 94708
4.6 ★★★★☆
[View larger map](#)



Directions

Quarry Picnic Area

Merry Go Round

Buckeye Picnic Area

The Life After Exoneration Program

Lake Anza Rd

Spillway Picnic Area, Lake Anza

Central Park Dr

Lake Anza Parking Lot

Wildcat Canyon Rd

Lake Anza Beach

Keyboard short

Ovation

Vee Rd

Strongly Recommend



192.168.4.23

7:04 4G

Cheese Trail

Features	Mouse King Trail	Cheese Trail
Elevation	10 ft	5 ft
Length	0.55 mile	0.8 mile
Difficulty	Beginner	Beginner
Nearby Attractions?	✓	✗
Picture		
Switch		

大小 192.168.4.23

< >   

Links

GitHub Link	https://github.com/CS160-Summer2022/project-1-KCsama.git
Video Link	https://drive.google.com/file/d/1pQzDmm9aLfqQBMDoAlmPLscjMeJ8_qI/view?usp=sharing
Code Tutorials	https://www.w3schools.com/html/html_responsive.asp https://www.w3schools.com/howto/howto_css_search_button.asp https://www.w3schools.com/howto/howto_css_images_side_by_side.asp https://www.w3schools.com/css/css_boxmodel.asp https://www.w3schools.com/howto/howto_css_comparison_table.asp https://www.w3schools.com/howto/howto_css_center-vertical.asp
Description used for Trail	https://www.pcta.org/discover-the-trail/john-muir-trail/#:~:text=The%20John%20Muir%20Trail%20is,to%20Mount%20Whitney%2C%20in%20California
Picture Credits:	https://www.pexels.com/zh-cn/photo/238622/ https://media.istockphoto.com/photos/hiking-in-the-allgaeu-alps-picture-id1141196125?b=1&k=20&m=1141196125&s=612x612&w=0&h=euqzkC_GHNV-NA28Bcr2_aiaV7Po0tMBXc0SswvYuhs= https://media.istockphoto.com/photos/footpath-through-a-forest-with-sunshine-picture-id473954724?b=1&k=20&m=473954724&s=612x612&w=0&h=YtDs1rOcJxfwMI2VsubRfFf5389rGU7zCoRYCuWNMQE ≡ https://media.istockphoto.com/photos/forest-road-under-sunset-sunbeams-picture-id611620630?b=1&k=20&m=611620630&s=612x612&w=0&h=QrVGA18ViclxoQYlFFirkem1NIUPRtxfQNEr2cBL0rs= https://images.pexels.com/photos/12211789/pexels-photo-12211789.jpeg?auto=compress&cs=tinysrgb&w=1600 https://images.pexels.com/photos/910623/pexels-photo-910623.jpeg?auto=compress&cs=tinysrgb&w=1600 https://www.clarkart.edu/getmedia/db526180-b1e0-4fa9-989e-84dc8323d396/A-4312-Ground_work-Trail-Guide-Map-for-Microsite-v2-AC.jpg https://www.pexels.com/zh-cn/search/sun%20set%20/ https://images.pexels.com/photos/5326925/pexels-photo-5326925.jpeg?auto=compress&cs=tinysrgb&w=1600