Active: Hiking Safely

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The Problem

- Hiking is a healthy outdoor activity, but trails not always clearly marked or maintained
- New trails are not always easy to find
  - Platform will also allow users to discover new trails they may not have known about before
- Goal is to provide information about trails and allow users to provide reviews and information about trail conditions

Four main types of users

- Already active on trails - wants to help the community

- Wants to get more out of the experience when walking a trail

- New user of a particular trail - concerned about safety

- User who thought walking on trails was too boring, but was encouraged by the points of interest from the map.

Users

- Primarily younger, age range 14-35
- Geographically very diverse, but fewer users in cities

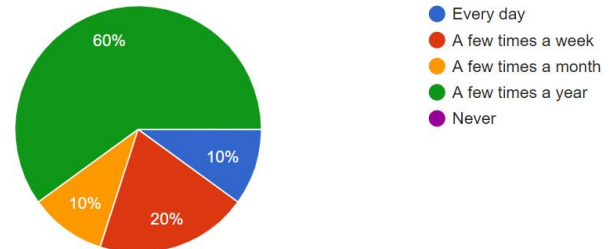| Latents:	Promoters:
- CEO of the application - Developers of the application - Enforcers of regulations related to the application	- Hikers/Joggers/Cyclists - Outdoorsmen - Trail/Land owners and maintenance - Wildlife Management Area officials
Apathetics:	Defenders:
- City-dwellers - Those who currently are not active on trails - Older people who don't use the internet or applications to plan hikes	- Health insurance providers - Hunters/Fishermen - Overlanders/Off-roaders

Personas and Scenarios

- Surveyed 20 people
- From the results, developed personas and scenarios that correspond to our hierarchical task analysis

How often do you go on hikes or walks off of paved sidewalks?
20 responses

- Every day
- A few times a week
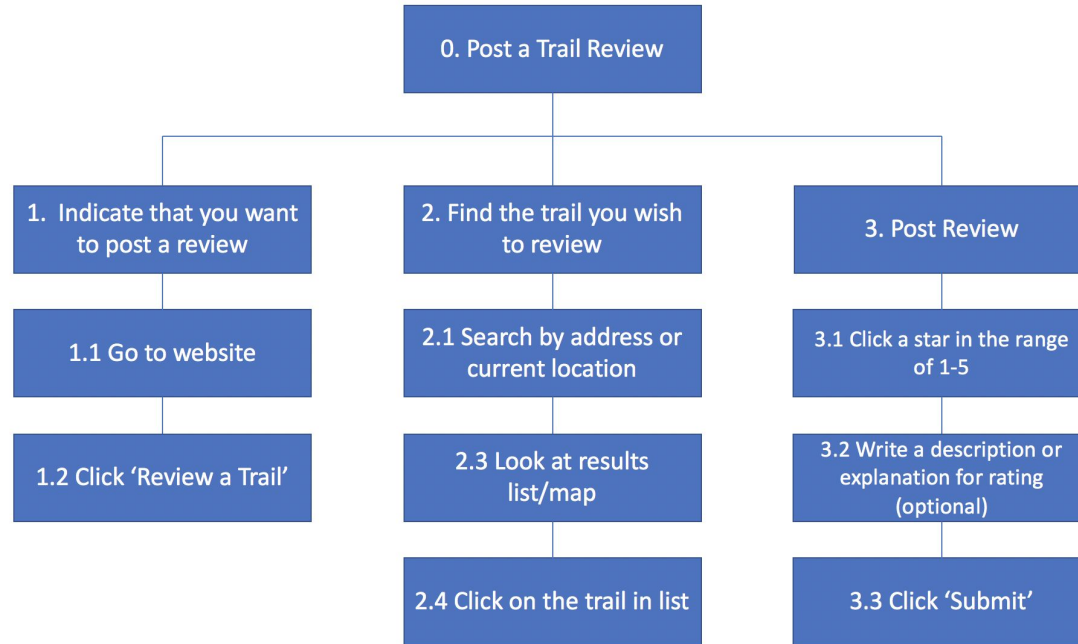- A few times a month
- A few times a year
- Never

Persona

Leah is a 41 year old woman who is looking to get into hiking trails for the first time. She has always enjoyed walks, but would prefer something more intense to keep her in better shape and entertained. Since Leah is new to hiking, however, she wants to use commonly used trails in her area with set routes. Further, Leah does not have a regular routine so she may like to go on different routes of different lengths each time. Ideally, Leah needs a system that will safely and consistently guide her through hiking routes in her area.
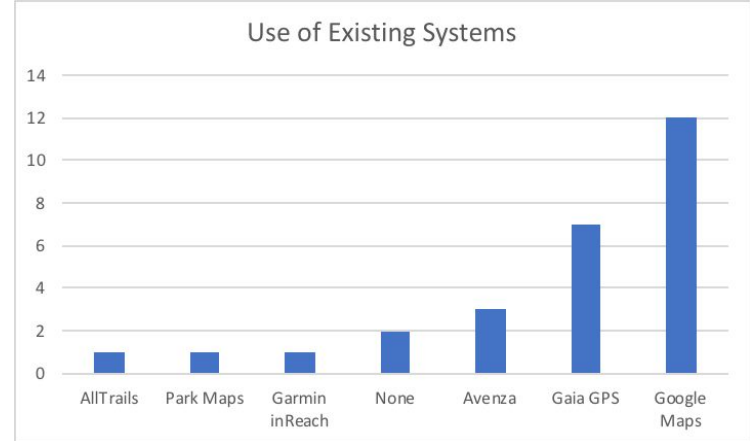
Task Analysis

Existing Solutions

- While there are many existing solutions, they only provide some of the functionality our users are looking for
- Our users want access to maps and a way to review trails/conditions
- Most users currently using Google Maps
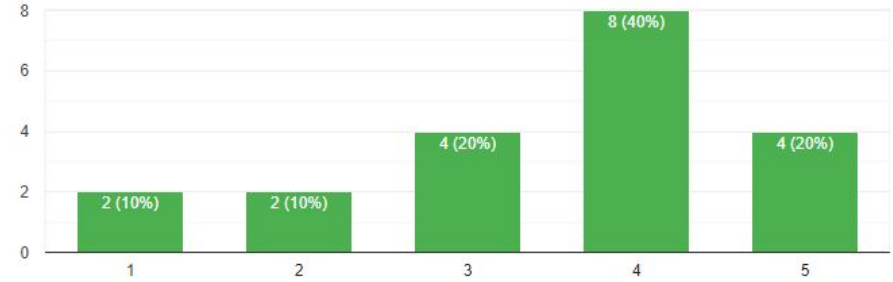- Example: Google Maps, Avenza, Gaia GPS

GAIA GPS

Use of Existing Systems

| AllTrails | Park Maps | Garmin inReach | None | Avenza | Gaia GPS | Google Maps |

Summary

Do you feel you would go on hikes more often if you had more up-to-date information about trails?

20 responses

- There is a demand for an application with more up-to-date trail information and conditions
- In order to be successful, we must fill the gap where existing applications fail

Website Link

http://cs.uga.edu/~anton/HCI/