



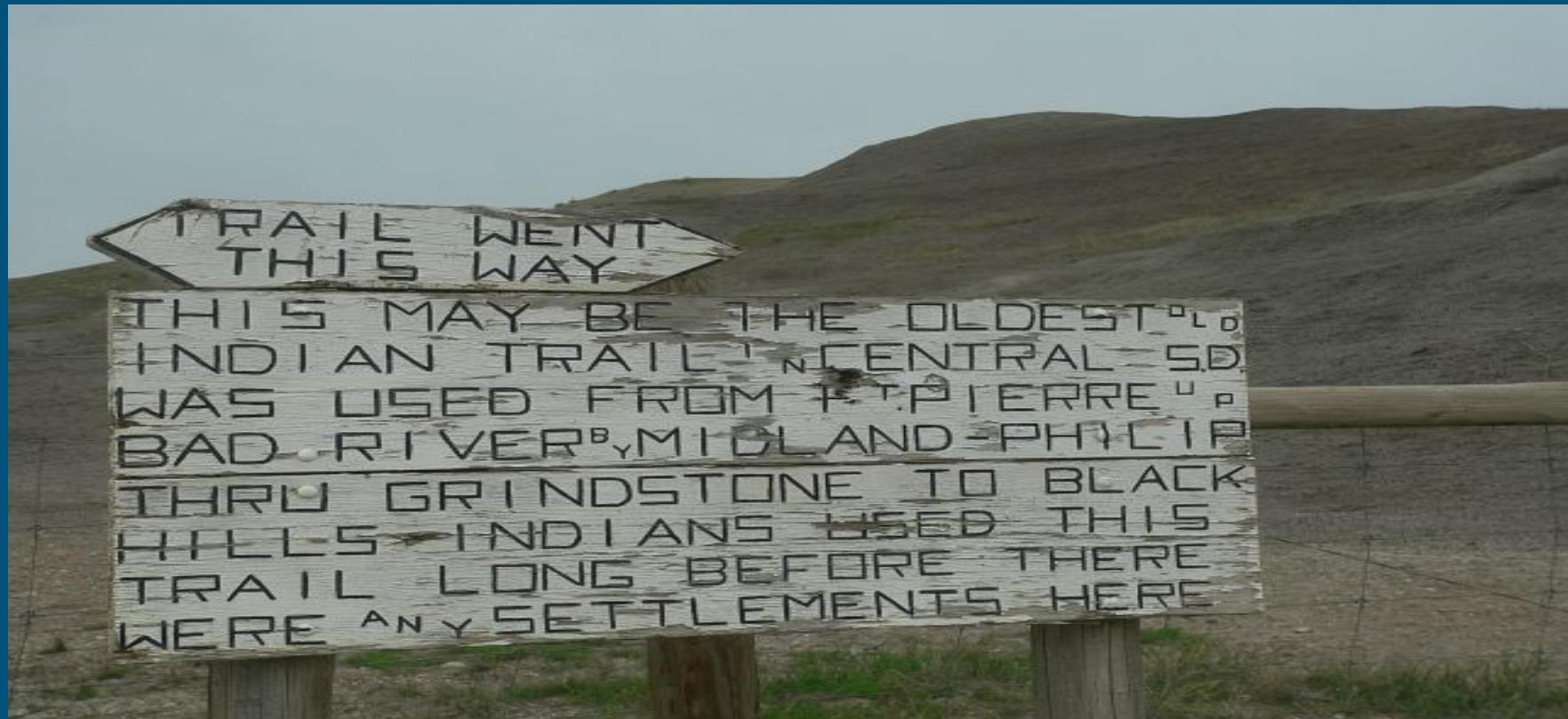
A Hiker's Best Friend.

Team: Eric Wang, Gaurnett Flowers, Rudy Crisostomo

The Problem

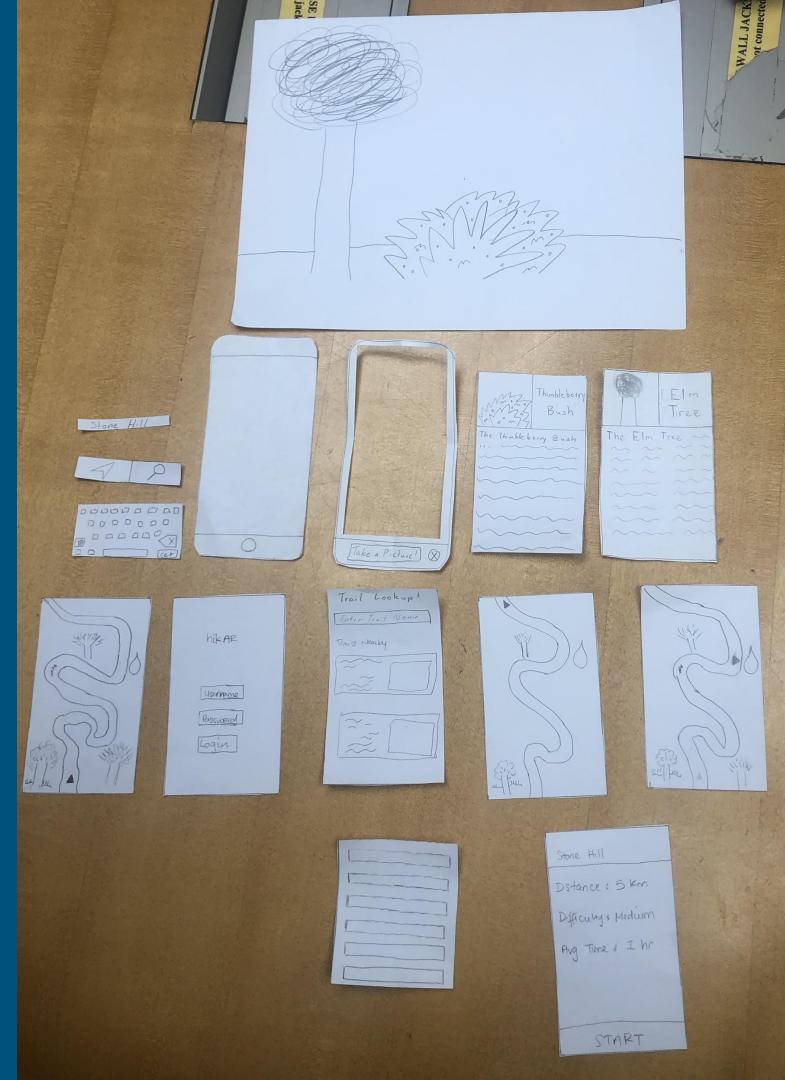


The Problem

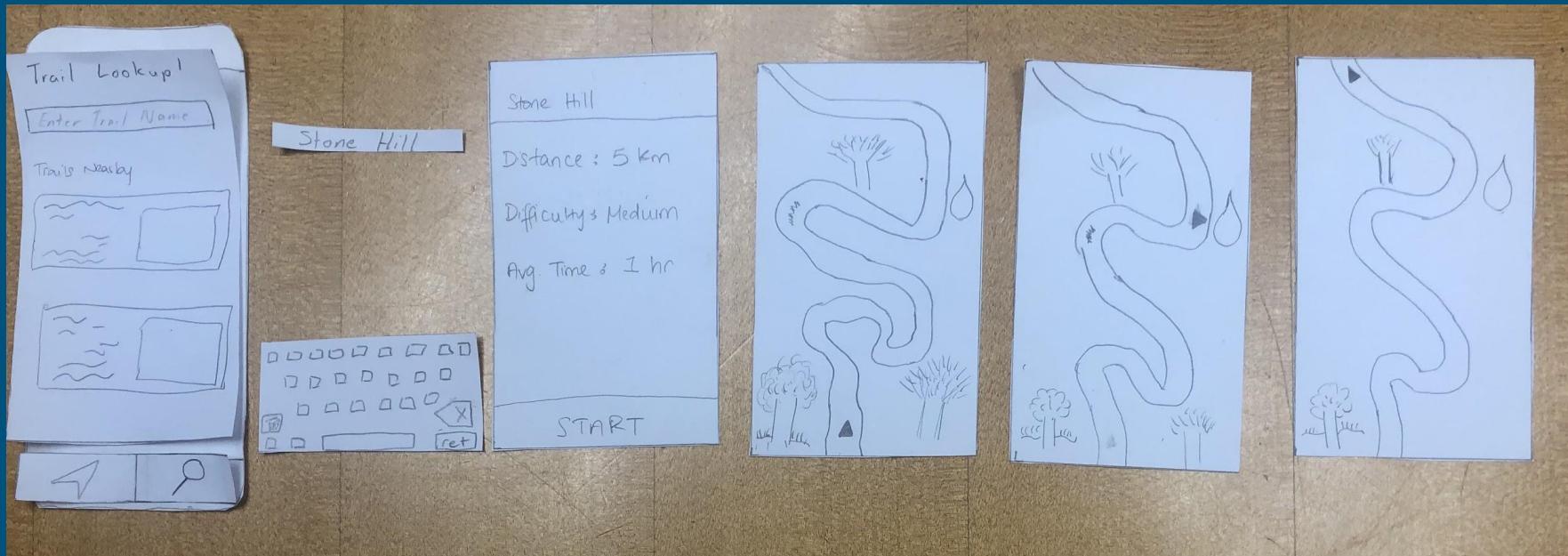


Initial Paper Prototype

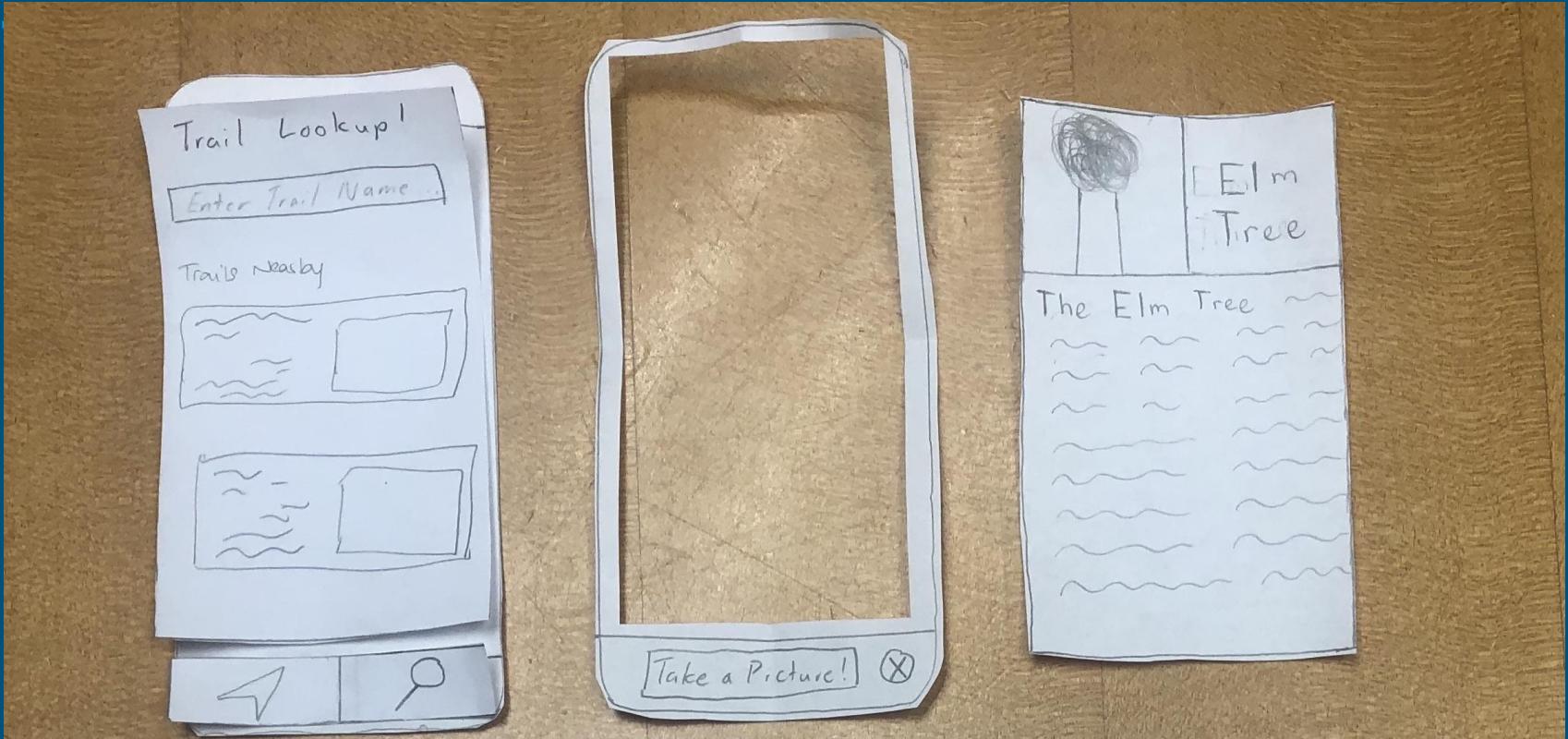
- Task 1: Finding and Navigating through a trail
- Task 2: Identifying local wildlife



Initial Paper Prototype (Task 1)



Initial Paper Prototype (Task 2)



Testing Process

- Heuristic Evaluations
 - Big picture issues
- Cognitive Walkthrough
 - Understand the user/design better
- 3 Usability Tests
 - Discover/Solve problems with the usage of the app
 - Each set of tasks more specific, team members more ready to take in information and facilitate the test

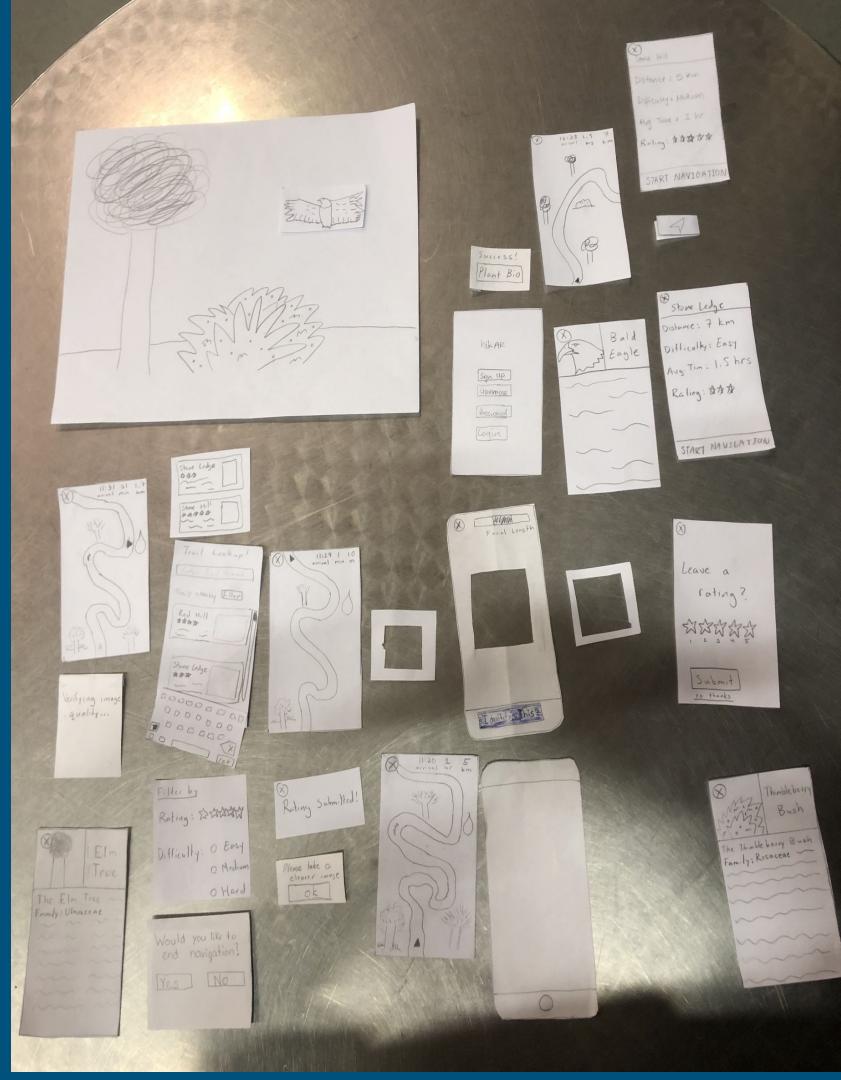
Testing Results

- Lacked error handling/control
 - Back buttons, more user feedback, and error prevention messages
- Camera for first-time users
 - Simplified user feedback, more intuitive control
- Improved trail search functionality

Final Paper Prototype

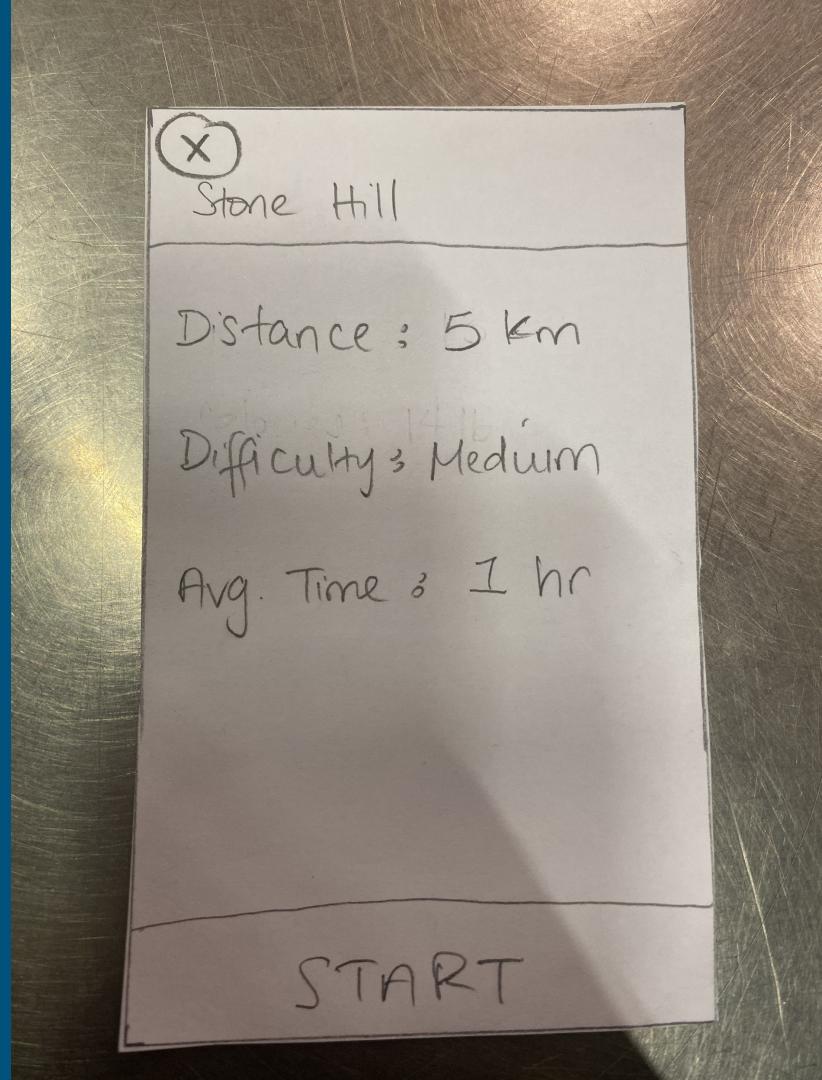
Final Tasks:

- Finding and Navigating through a trail given certain parameters
- Identifying surrounding wildlife



Features:

- Back buttons!



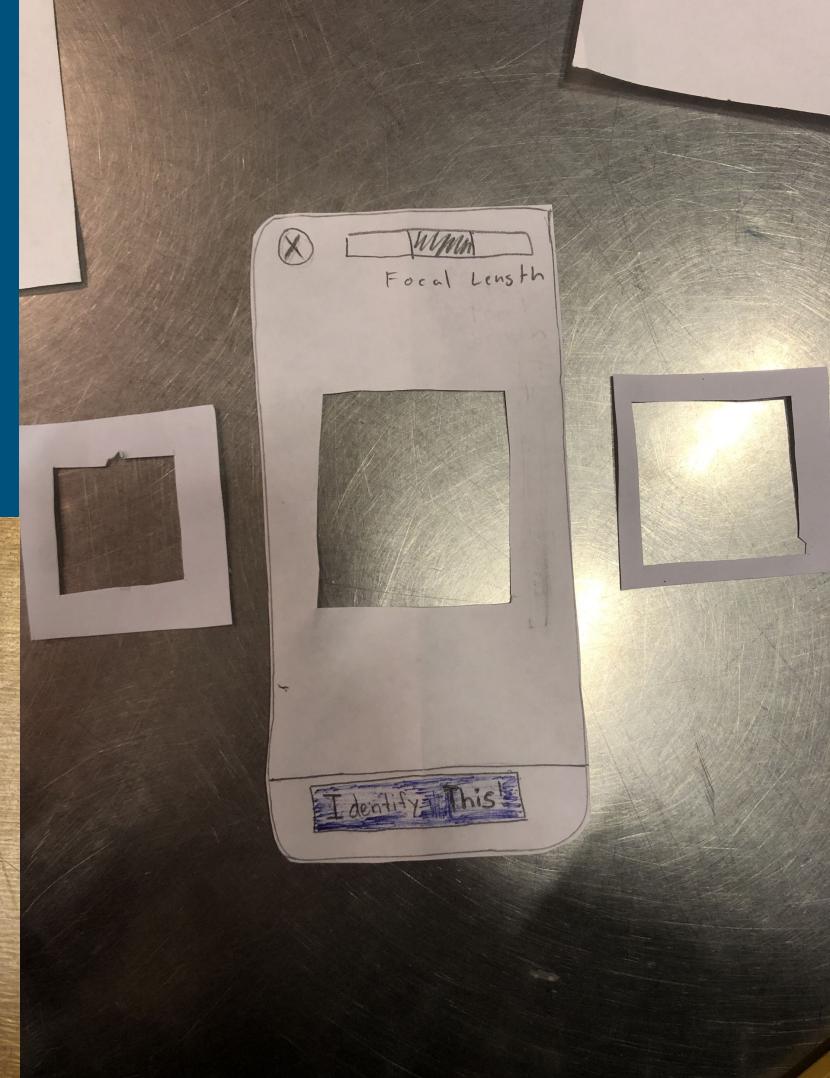
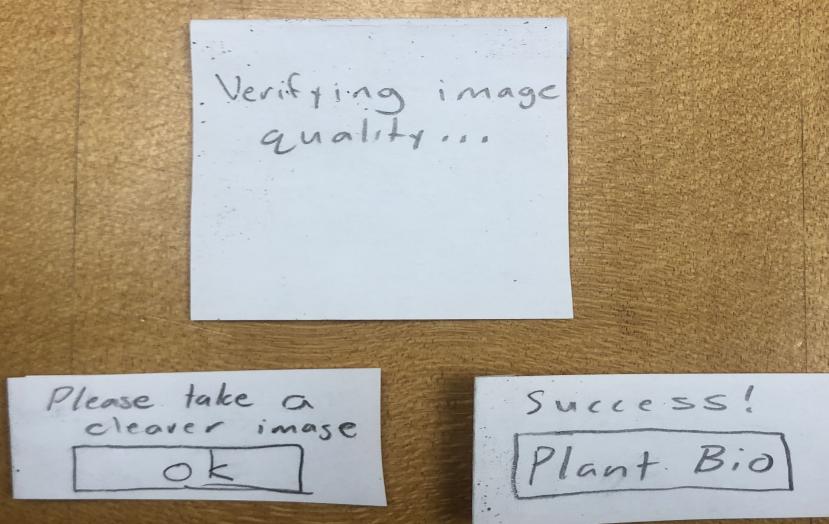
Features:

- Single identification button



Features:

- Image to identification improvements



Features:

- Enhanced trail search

Filter by

Rating: ★★★★☆

Difficulty: Easy
 Medium
 Hard

Trail Lookup!

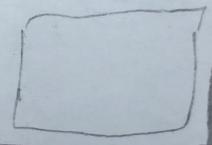
Enter Trail Name...

Trails Nearby

Filter

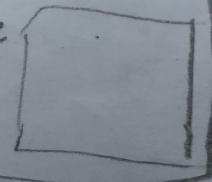
Red Hill

★★★☆



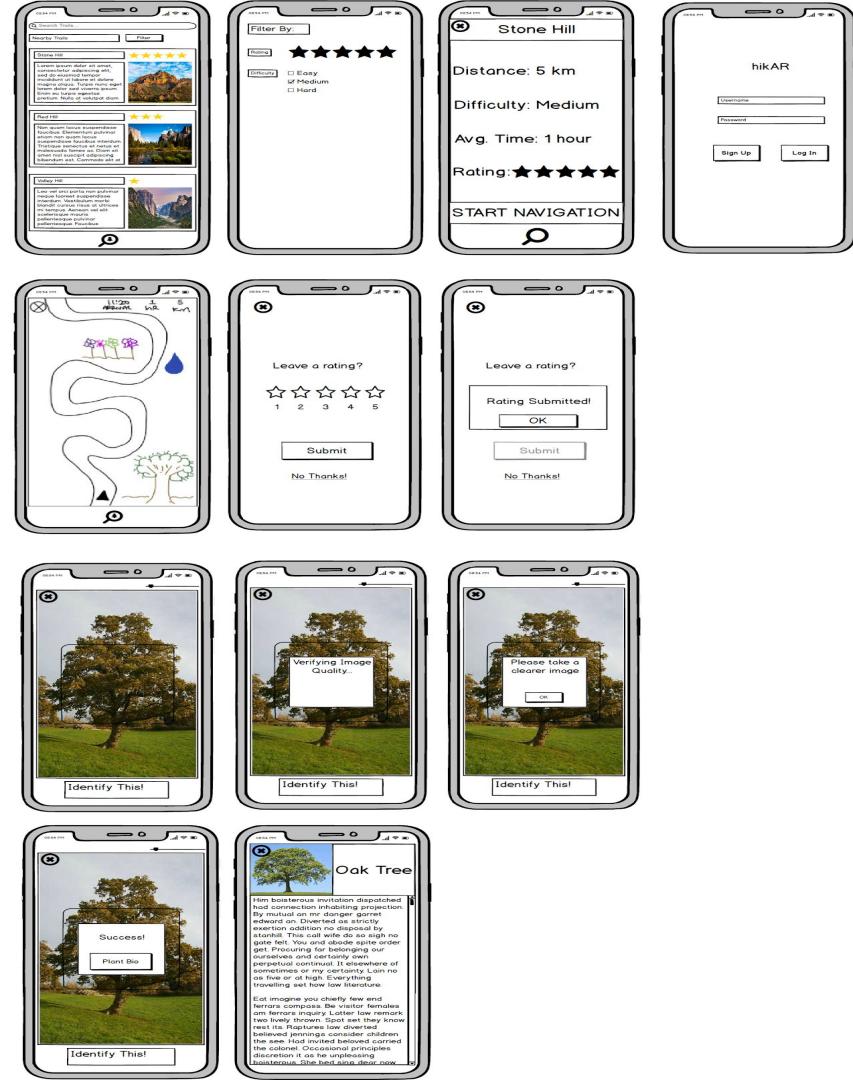
Stone Ledge

★★☆

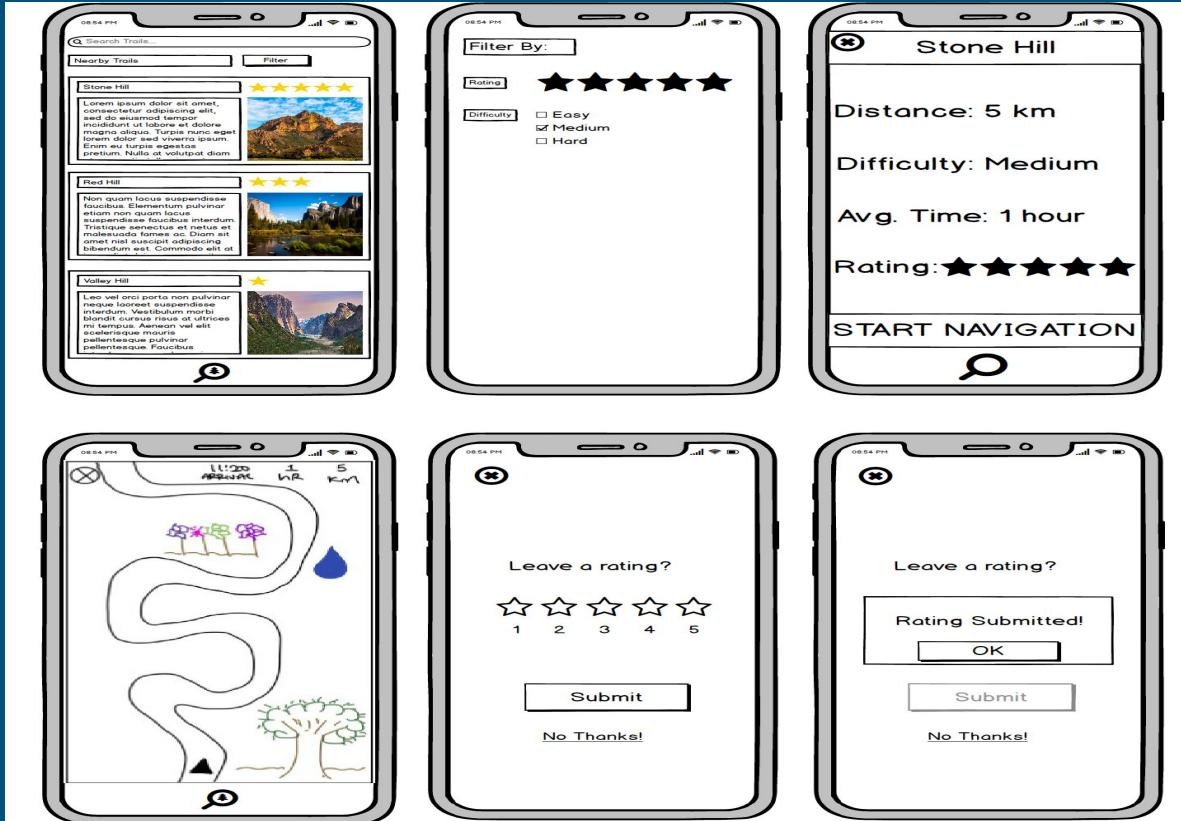


Digital Mockup

- Mostly consistent with our final paper prototype
- Changes:
 - Moved the route ratings
 - Scrollbar on wildlife bio page



Digital Mockup (Task 1)



Digital Mockup (Task 2)



What We Learned

- “Simple” ways of finishing the tasks are definitely not as easy as they seem
- Leave as little doubt (more system feedback) to the user if they are doing the right thing or not
- The usability testing process is the most helpful but other methods can be done with less investment
- Administering testing itself is a skill

Questions?
