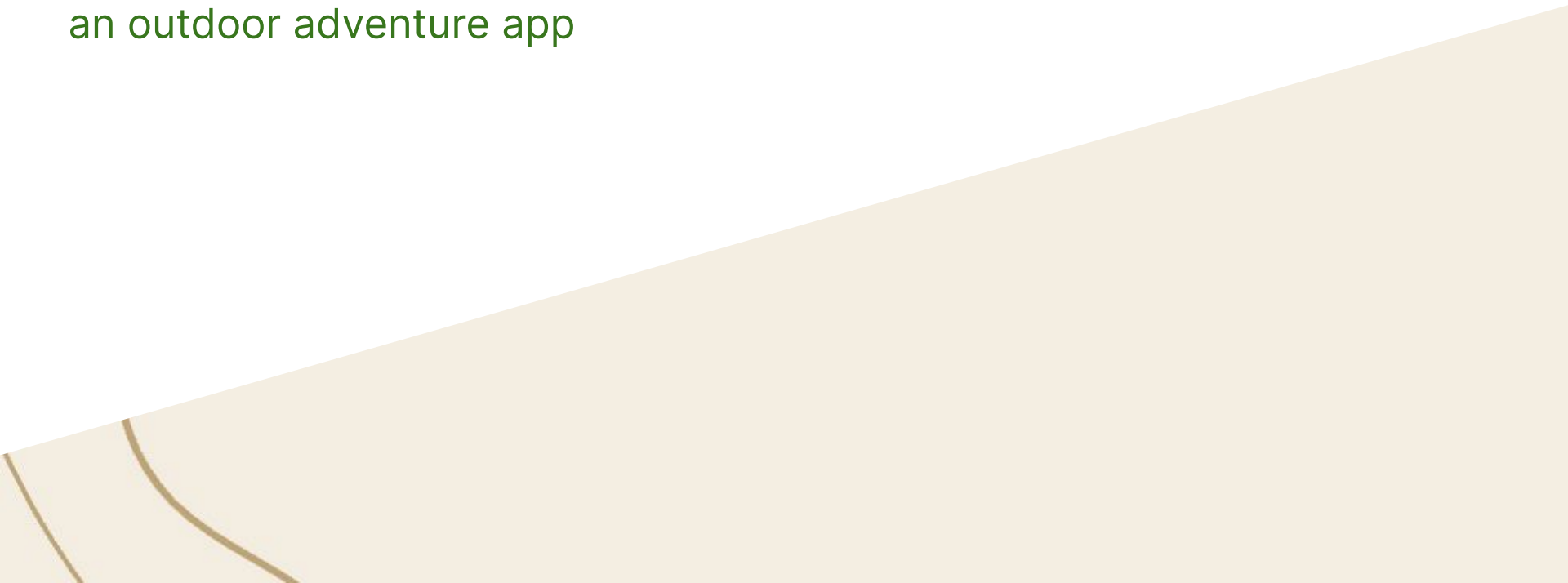# Outty

an outdoor adventure app

Motivation

- It is often difficult when you are busy to formulate plans for outdoor activities. Normally you have to check the weather, search online for trails.
- Each outdoor activity you are considering is usually a separate search.
- Outty gathers all that information for you and gives you suggestions saves time and effort when you are too busy to figure out what your weekend adventure might be.

Motivation

- So stop sitting at home, stop going to the gym, and start getting out!
- Our app helps our users quickly pick an outdoor activity catered specifically to their outdoor profile.
- This app is your all-in-one guide to outdoor activities in your area!

Challenge 1: Project Scope

- How many different activities?
- How robust of a recommendation algorithm?

Solution

- Agile development philosophy
- Start with very small scope and build more features as we go.

Review: this worked great!

Challenge 2:
Task Management

- Who should do what?

Solution

- Come up with tasks together first without specifying who will do what
- Then have a friendly discussion about who wants to do what
- Rebalance the load at the end if work is not close to equal

Review: Everyone adjusted their attitude to be happy and ready to tackle any task, regardless of their prior experience with a tool. Because of this collective attitude, we got a lot done!

Challenge 3:
# Feature and Hotfix Integration

- How do we handle continuous integration?
- What did we do when a commit broke main?

Solution

- constant communication through text
- creating branches for individual features
- Setting up auto-deployment to heroku from our github repository

Review: integration was very smooth for the most part. If the app did break/had bugs, we usually had it ironed out in the group text within a few hours.

Powered By
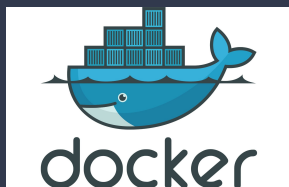
Languages - Python, HTML, CSS, Javascript
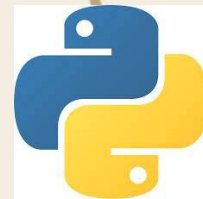
Frameworks/Libraries - Flask, anime.js, bootstrap

Testing - unittests, Flask-tests

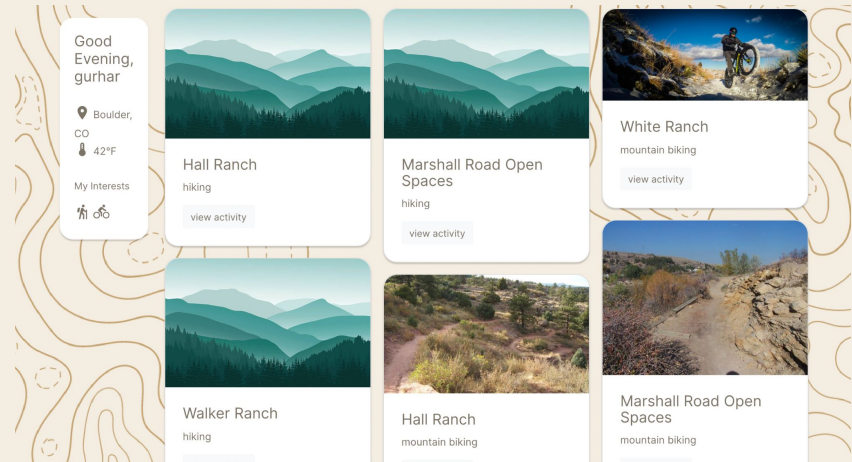**Database -** SqlAlchemy

Deployment - Docker, Heroku

APIs - Google Maps, Trail api, OpenWeather, and geo encoding with api.positionstack.com

Project Tracking - Notion

Features

- Personalized recommendations, based on your location and interests

Features

- Like and keep track of completed activities

Features

- Detailed information and directions for each suggestion

directions | more info | unlike | uncomplete

40°12'37.9"N 105°17'16.7"W
31825 S St Vrain Dr, Lyons, CO 80540
View larger map
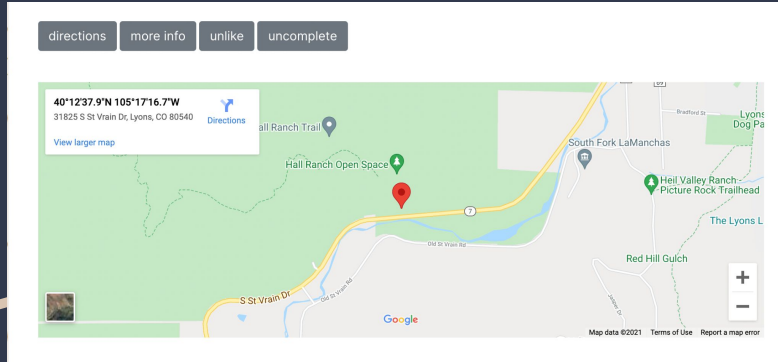
Hall Ranch
mountain biking
(40.21052, -105.28797)

From the lower parking lot, go uphill to the trailhead at the upper lot. From here it's an easy trail to follow. Follow Bitterbrush trail uphill through somewhat rough singletrack. Around the 1 mile mark you will head down a valley and up the other side into a field. From here the trail becomes physically and technically difficult. You will have roughly 1/2 mile of steep ascending with very difficult technical sections. 1 3/4 miles you reach the top of the first hill and descend into the valley only to ascend into a valley meadow. The trailis easy and hard packed. Once you reach nelson loop (3.5 miles) take a left for a switchback ascent or a right for a slightly less aggressive ascent. Follow Nelson Loop (2.3 miles) but beware of speed reducing ditches that rangers dig out for drainage reasons. Once you reconect with Bitterbrush trail follow it back to your car.

1 like

2 completes

directions | more info | unlike | uncomplete

Features

- Update and customize your settings

Password Settings

Current Password *

| Password |

New Password

| Password |

Confirm New Password

| Password |

Recommendation Settings

New Zipcode

| current zipcode: 80302 |

User Radius (miles)

| current radius: 20 |

Update Interests:

☐ Hiking ☐ Mountain Biking ☐ Camping

Update Settings

Future Work

- Better mobile responsivity
- More apis for more types and quantity of recommendations
- More features for user to document and interact with each other such as comments or a feed

Outty Demo