

Milestone 1: Definition

Team Information

- Team name: Hack for Hike
- Team members:
 - Xiaowei Zhang
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 - Zilong Zhao
 - Bula Ha
 - Yicheng Chen
 - Lilan Wu
- Project name: Let's Go Hiking!

Description

Let's Go Hiking! Is A hiking trails recommendation application

That Provides users with the abilities to find information about trails they would like to know about, find recommendations on trails to explore and make friends with similar preferences and skills

For people who like to hike

Who Are Unhappy with the limited information about hiking trails on google maps; and limited social platforms for hiking lovers to communicate and meet.

Features

- Features for this Semester:
 1. Search hiking trails by location, trail length, landscape, land uses, supported vehicles, pet rules, and other features;
 2. Find people with similar trail preferences;
 3. Recommend hiking trails users may like;
 4. Recommend users to each other who may want to go for a hike together.
- Advanced features in the Future:
 1. Incorporate personal health data to give more accurate suggestions on trail selection based on users' age, weight, height, workout frequency, and medical records;
 2. Visualize hiking trails on a map, including the shape, location, and other metadata of a trail.

Data sources and usage

- <https://rco.wa.gov/recreation-and-conservation/maps-and-data/> for the trails.
- User generated data.
- Convert the gdb dataset to CSV format.