

# **GPS Trail**

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GPS Trail is a platform that aims to provide users with an accurate GPS mapping of trails in National Parks and forest preserves. Users will be able to view all the trails in a given park, as well as various important information in that park. Rest stops, common animal sightings, and tricky spots to be careful when hiking around will all be available to the user. Additionally, the program will allow registered users to add new locations and even provide reviews and tips about spots. This service is to provide a fully functional web and mobile application that allows ease of use and creates a central hub of parks and trail information for users on the most commonly used platforms.

## **Scenario “Visiting a specific hiking trail”**

The user plans on going on a specific hiking trail, the user does this by clicking on the search field, on the account of which the application shows the recent searches of the user. When the user starts typing the location of the hiking spot in the search box then a list of relevant trailing spots starts to populate the search list. If the hiking spot is not found, then the database pulls a list of alternative hiking trails near the user’s desired proximity.

On selecting the spot on the search list, the user is redirected to a page that consists of a description of the spot with the maps locating that specific location. A sidebar menu is provided to keep the user interface as simple as possible which enables the user to navigate quickly. The menu consists of options like weather condition, review, voting system, refreshment spots, profile section, etc from which the user can choose according to their needs. However, if the user has found a new hiking location, they can upload it as a valid trail after it has been verified through the system by a system administrator. Once the user finds the desired hiking trail the user can check the map, view images of key features on the trail, view weather conditions around the location, view tips for the hike, and read reviews.

## Scenario Diagram

