

# Lone Wolf



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# Overview

- Over 220 Million People visited National Parks in 2020. [1]
  - 15% individual parks had >1 Million unique visitors. [1]
- All parks collectively valued at \$92 Billion [2]
  - 95% of Americans support National Parks [2]



# Purpose of the Product

General goals:

- Allow Users to Search Up New Parks to explore
- Extremely useful in a pandemic
  - people can avoid being in large groups
- Gives tourists and visitors new way to experience national parks.
- Create awareness about national parks.
- Allows users to not have to booking tours and going on the same tour all the time.

# Current Situation

- Visitors must hire tour guides or carry around physical maps to find different trails.
- The pandemic has made it difficult and dangerous to be in large groups
  - Tour groups not an option anymore
- With lone wolf, users now have an option to be their own tour guide.

# Our Product

- Finds Routes Through National Parks
- Acts as an Encyclopedia for Park Information
- Calls for Help At The Press of a Button
- Uploads User Photos of Parks for Other User's Viewing
  - With user permission

# Our Users

- Key Users
  - Experienced hikers interested in exploring new trails, without the help of physical maps and tour guides.
  - Amateur hikers can also use this app to find trails that they like based on user uploaded pictures.
  - Can be used by anyone trying to avoid public contact during the pandemic.
    - The emergency help functionality also decreases chances of accidents for both experienced and amateur hikers.

# Stakeholders

- Nature Enthusiasts/Climate Activists
  - Increased interest in national parks means increased interest in preserving nature
- National Parks Rangers
  - Easier to find lost/injured hikers with emergency function
- Park Going Public
  - Identifying local flora and fauna through photo upload and encyclopedia functions

# Mandated Constraints

- Light on battery usage
- Compatible with Google Maps and Locational Services
- Compatible with most Android Devices
- Totally Accessible with Internet Connection



# Competing Products

- Trailforks by PinkBike, LLC
  - No photo uploading
    - Users can upload pictures from their trails and view pictures uploaded by other users.
  - No personalization/interaction with community.
  - No emergency help function.
    - Incase the user is in an emergency situation, they can contact help and share their location with the authorities.

# Implemented Features

- Almost all major features described in document implemented.
  - Weather functionality was not
    - All phones come with a built-in weather service app
    - Implementing would be redundant and time wasting
- The app is only available for android platform for now.
  - Has not been implemented for iOS.

# Bibliography

- [1] “Visitation Numbers (U.S. National Park Service).” National Parks Service, U.S. Department of the Interior, [www.nps.gov/aboutus/visitation-numbers.htm](http://www.nps.gov/aboutus/visitation-numbers.htm).
- [2] “How Much Are National Parks Worth to You?” *SOURCE*, 16 Mar. 2018, [source.colostate.edu/how-much-are-national-parks-worth-to-you/](http://source.colostate.edu/how-much-are-national-parks-worth-to-you/).