README.md

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Project Subject Area: You can find the location of the International Space Station, find what country that is in, and what the average temperature is by month

API:

- relationship: this has latitude and longtitude, which connects with the flat file
- description: an app that will show you hiking trails for your area
- link: https://rapidapi.com/trailapi/api/trailapi

Flat File:

- description: a database with coordinates for cities and countries. (this file from kaggle includes 3 excel spreedsheets so let me know if I need to limit to only one)
- link: https://www.kaggle.com/datasets/liewyousheng/geolocation
- relationship: has the cities and countries and altitude and longitude

Website:

- description: a table of the average temperature by month based on city/country
- link: https://en.wikipedia.org/wiki/List_of_cities_by_average_temperature
- relationship: has cities/countries that will connect to the flat file which has their altitude and longitude and cities

For this project, I want people to be able to use the flat file to find their latitute/longitude. They can then enter this to enter into the API to find hiking trails in that area. Once they have a list of hiking trails that they might want to do, they can go to the table to grab what the average temperature is for their city by month. This is something that I do whenever I'm going on a trip too far in the future for accurate weather data. I look at where I'm going, what the best hikes are in the area, and then look at the weather to see what I need to pack. Or, if I have to cancel a hike all together if the weather during that month isn't good on average. The weather will also be used to narrow down the hikes. I.e. I'm not going to go on a hike where I might get wet if it's near freezing outside; not unless I get waterproof gear and lots of layers. I've never used this API before so I'm not quite certain if they let you put in a radius since it's highly unlikely that you can find a hike at every lattitude/latitude that you enter. There's also a lot more data in the flat file then what I plan on using. Trying to think if I could incorporate other information to make this project more complex. One thing that many people are concerned about is that, as more people are researching the outdoors, and more people are going outdoors, without properly researching safety, that it will cause more damage to our parks that isn't fixable.