

Assignment 4 - Part 1

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Due Friday by 11:59am **Points** 100 **Submitting** a website url

1. Logic enhancement

Calculate distances: <https://geopy.readthedocs.io/en/stable/#module-geopy.distance>
(<https://geopy.readthedocs.io/en/stable/#module-geopy.distance>)

5 Test cases that work

5 Test cases that don't work

Notes:

- Github repo with readme, proper folders and no hardcoding
- Distance function
- Logic: If no datapoint found < 100 miles, No data found but ask if the next closest datapoint should be used

2. New client

Build a streamline client to implement the supported usecases

<https://docs.streamlit.io/library/get-started> _(<https://docs.streamlit.io/library/get-started>)

Publish the streamlit client on to the streamlit cloud

3. Host the API

Using <https://fastapi.tiangolo.com/deployment/deta/>
(<https://fastapi.tiangolo.com/deployment/deta/>) or Heroku (there are many tutorials online on how to host Fastapi on Heroku)