How to run apps:

App 1:

App 1 is already created as a Cloud Function

To configure "gcloud functions deploy DS561Project3App1 --gen2 --runtime=python312 --region=us-central1 --source=. --entry-point=(function name of choice) --trigger-http --allow-unauthenticated" while in the folder of your desired python code and requirements.txt file.

Here are ways of invoking App 1:

Client:

a) Input in terminal "python http-client.py -d ds561project3app1-7o7cte2aba-uc.a.run.app -b /bu-ds561-bding bu edu -w files -n (number of requests) -s"

curl:

- a) 404
 - i) In a linux terminal input:
 curl
 https://us-central1-ds561-project-435318.cloudfunctions.net/DS561Project3App1/
 bu-ds561-bding bu edu/files/(Out of bounds file index such as 99999).html
- b) 501
 - i) In a linux terminal input: curl -X (any non-GET method such as POST) https://us-central1-ds561-project-435318.cloudfunctions.net/DS561Project3App1
 - ii) From what I understand, TRACE is blocked on Google Cloud projects, resulting in a 404.

Browser:

Go to:

https://us-central1-ds561-project-435318.cloudfunctions.net/DS561Project3App1/bu-ds561-bding_bu_edu/files/(valid file index).html

To send requests other than GET requests, use the in browser developer tools.

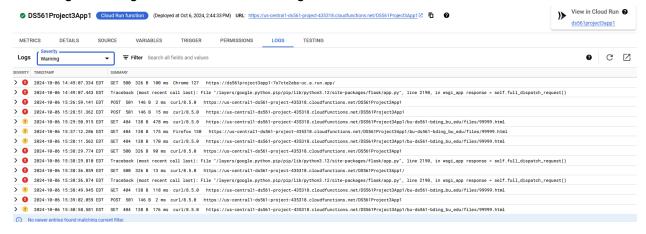
App 2:

Prerequisite installations: google-cloud-pubsub

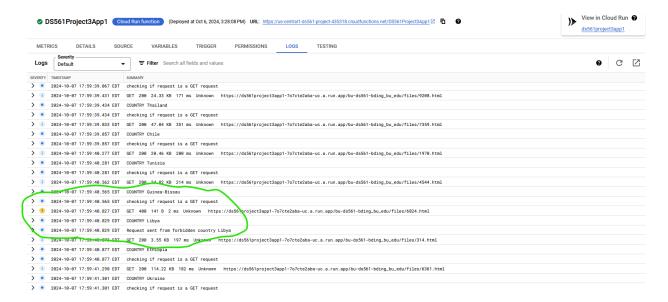
To run, use the command "python DS561App2.py" in the directory that the file is in.

Screenshots:

Cloud logs showing 404 and 501 errors using curl:



Cloud logs showing 400 permission denied error:



Brian Ding Due 10/7/24

Errors using Firefox Developer Tools (Browser):



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