

AISHWARYA REDDY LACHANGAR

HW3

PROJECT- u62138442-hw2

BUCKET- u62138442_hw2_b2

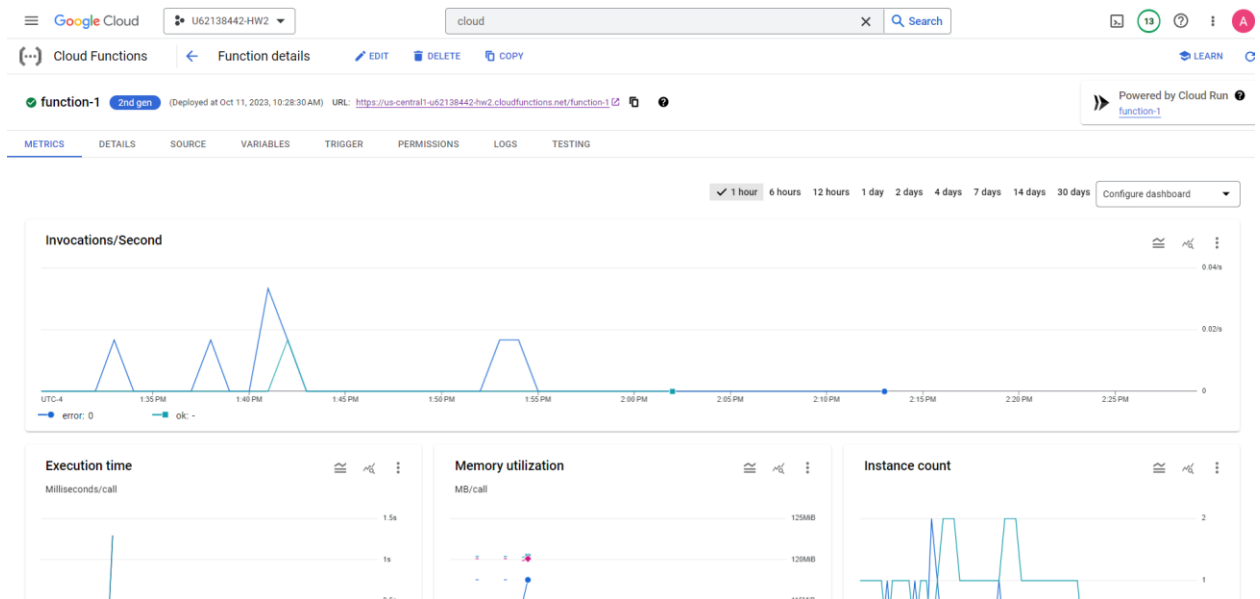
Gitrepo- url-<https://github.com/aishreddy13/DS561>
https: <https://github.com/aishreddy13/DS561.git>
ssh: <git@github.com:aishreddy13/DS561.git>

files for homework3 - client-http.py
app2.py
cloudFunc.py
requirements.py

App1:

Steps to run the cloud function:

1. Download the cloudFunc.py, requirements.txt and also client-http.py(given by prof)
2. Then deploy the function the runtime- python 3* and entry point= serve_file.



3. Once it is successfully, upload the client http if it is not already in your folder(GCP) then run the following command:

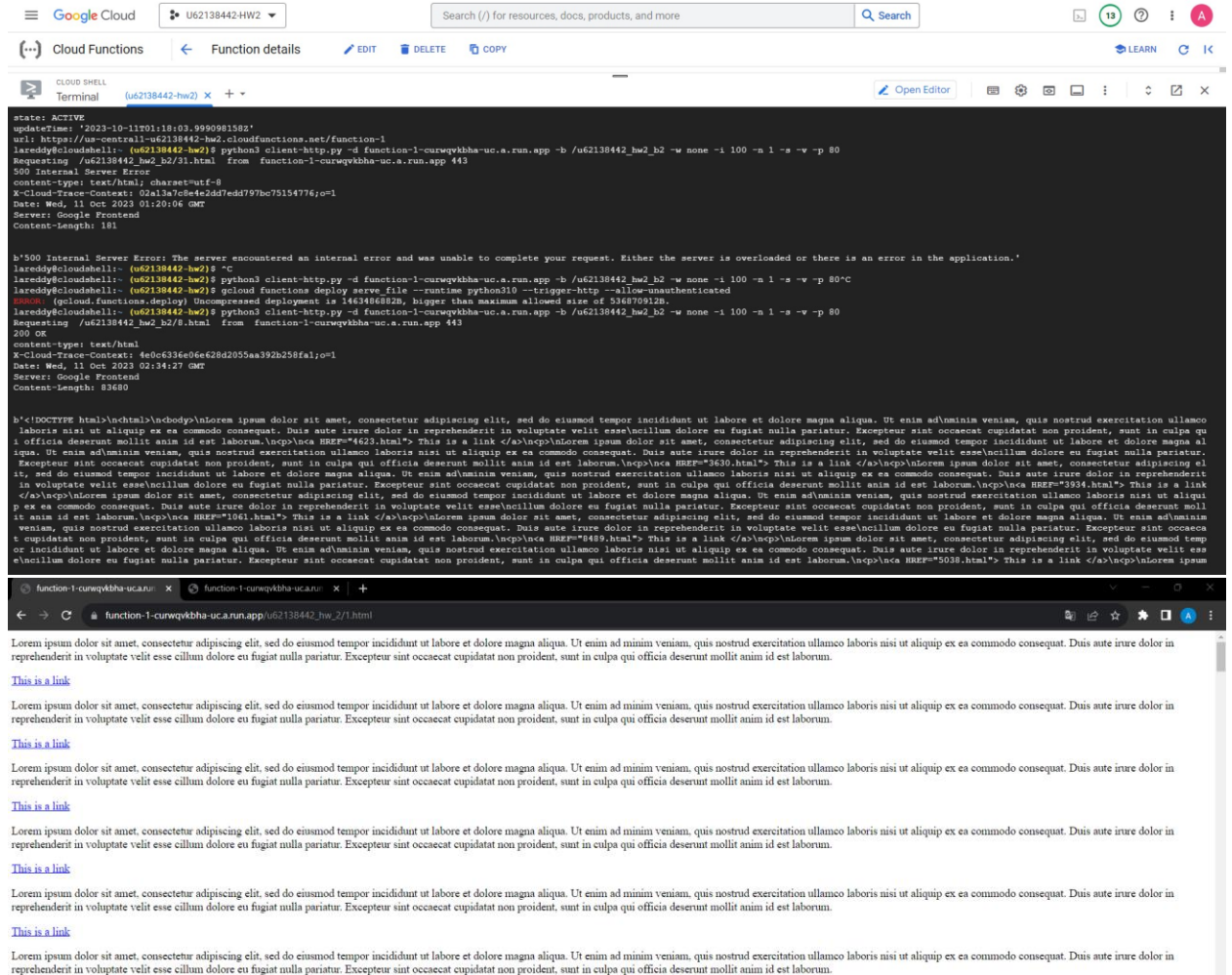
```
python3 client-http.py -d function-1-curwqvkbha-uc.a.run.app -b /u62138442_hw2_b2 -w none -i 100 -n 20 -s -v
```

The highlighted parameter can change according to your project.
4. Then you would find something like this:

AISHWARYA REDDY LACHANGAR
HW3

- a. Link: https://function-1-curwqvkba-uc.a.run.app/u62138442_hw_2/1.html
https://function-1-curwqvkba-uc.a.run.app/u62138442_hw_2/1112233.html

If everything works, it gives a 200 ok status and print the relevant information like below screenshot. And also 404 for non existent file.



The above is a browser screenshot.

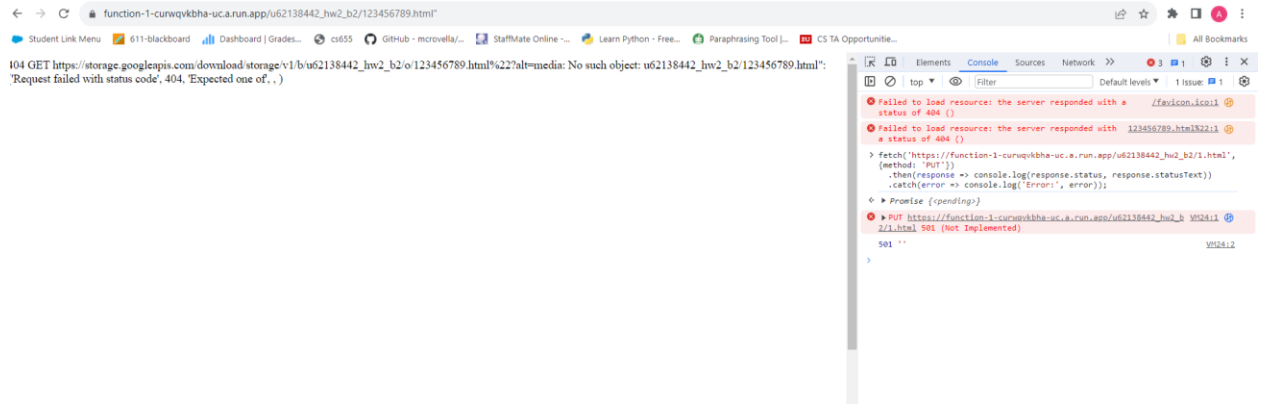
- b. the below screenshot is for when there is a nonexistent file:



- c. for other: PUT,POST,DELETE: gives a 501 'not implemented' error:

AISHWARYA REDDY LACHANGAR

HW3



AISHWARYA REDDY LACHANGAR

HW3



The screenshot shows a web browser's developer console with the 'Console' tab selected. The console displays a series of failed HTTP requests, all resulting in a 501 (Not Implemented) status code. The requests are as follows:

- Failed to load resource: the server responded with a status of 404 ()** (123456789.html%22:1)
- PUT https://function-1-curwqvkba-uc.a.run.app/u62138442_hw2_b2/1.html 501 (Not Implemented)** (VM24:1)
- POST https://function-1-curwqvkba-uc.a.run.app/u62138442_hw2_b2/1.html 501 (Not Implemented)** (VM34:1)
- POST https://function-1-curwqvkba-uc.a.run.app/u62138442_hw2_b2/1.html 501 (Not Implemented)** (VM41:1)
- DELETE https://function-1-curwqvkba-uc.a.run.app/u62138442_hw2_b2/1.html 501 (Not Implemented)** (VM49:1)

The console also shows the corresponding JavaScript code for each request, using the `fetch` API. Each request is followed by a `Promise {<pending>}` and a `200 ''` response, indicating that the code executed without errors, but the server responded with a 501 status code.

AISHWARYA REDDY LACHANGAR

HW3

```
cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.
<p>
<a HREF="6193.html"> This is a link </a>
<p>
</body>
</html>

C:\Users\aishw\Documents\ds561_hw3>curl -X GET "https://function-1-curwqvkba-uc.a.run.app/u62138442_hw2_b2/123456789.html"
404 GET https://storage.googleapis.com/download/storage/v1/b/u62138442_hw2_b2/o/123456789.html?alt=media: No such object: u62138442_hw2_b2/123456789.html: ('Request failed with status code', 404, 'Expected one of', <HTTPStatus.OK: 200>, <HTTPStatus.PARTIAL_CONTENT: 206>)
C:\Users\aishw\Documents\ds561_hw3>curl -X POST "https://function-1-curwqvkba-uc.a.run.app/u62138442_hw2_b2/1.html" -d "data= lsdknalk"
Not Implemented
C:\Users\aishw\Documents\ds561_hw3>curl -X PUT "https://function-1-curwqvkba-uc.a.run.app/u62138442_hw2_b2/1.html" -d "data= lsdknalk"
Not Implemented
C:\Users\aishw\Documents\ds561_hw3>curl -X DELETE "https://function-1-curwqvkba-uc.a.run.app/u62138442_hw2_b2/1.html"
Not Implemented
C:\Users\aishw\Documents\ds561_hw3>
```

Above screenshots are form both terminal as well as for browser

- b. This is the first app, now lets see how can we work with the second app, you need to set it up with the service account from your project and then download the json file and set the google_account_credentials which I did in the code, with the json storing locally, then after it is done, I gave the command to run the app2.py file locally on my command prompt, before it times out you need to publish the message from your topic, the screenshot:

```
C:\Windows\System32\cmd.e  X  +  v

The above requests were intercepted and denied

C:\Users\aishw\Documents\ds561_hw3>python app2.py
Listening for messages on projects/u62138442-hw2/subscriptions/topic_1-sub..

Received Message {
  data: b'hi this is a test from publisher to subscriber.'
  ordering_key: ''
  attributes: {}
}.
Received Message {
  data: b'hi this is a test from publisher to subscriber.'
  ordering_key: ''
  attributes: {}
}.
Received Message {
  data: b'hi this is a test from publisher to subscriber.'
  ordering_key: ''
  attributes: {}
}.
Received Message {
  data: b'hi this is a test from publisher to subscriber.'
  ordering_key: ''
  attributes: {}
}.
Received Message {
  data: b'hi this is a test from publisher to subscriber.'
  ordering_key: ''
  attributes: {}
}.
```

AISHWARYA REDDY LACHANGAR
HW3