Erick Franco
cs430p
3-2-25

08.1a.4

When someone does something wrong, don't forget all the things they did right.
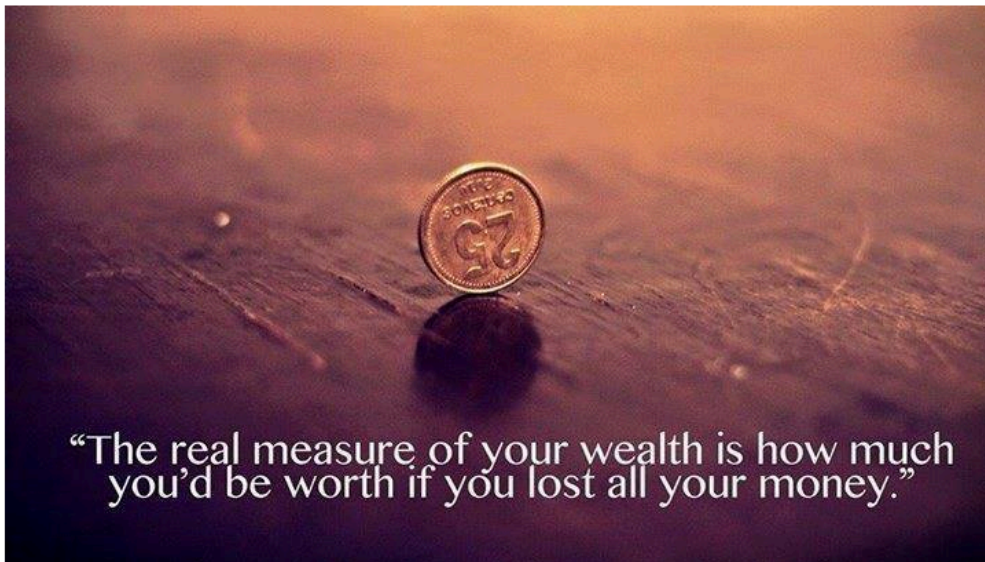
"The real measure of your wealth is how much you'd be worth if you lost all your money."

08.1a.8

```
francoer@cloudshell:~ (cloud-franco-francoer)$ curl https://o5xa5s0wfh.execute-api.us-east-1.ama
{"current_time": "2025-02-27 01:11:22.063360"}francoer@cloudshell:~ (cloud-franco-francoer)$
```

08.2a.10

Guestbook

Name: [_____]

Email: [_____]

Message:
[_____
_____
_____]

[Sign]

Entries

Erick Franco <francoer@pdx.edu>
signed on 2025-02-08 06:03:01.600794
Hello Cloud9!

Erick Franco <francoer@pdx.edu>
signed on 2025-02-08 06:17:03.309486
Hello EC2!

Erick Franco <francoer@pdx.edu>
signed on 2025-02-14 21:58:31.347520
Hello ECS!

08.2a.12

/entries/entry - POST method test results

Request
/entries/entry

Latency ms
3350

Status
200

Response body

[{"message": "Hello Cloud9!", "date": "2025-02-08 06:03:01.600794", "email": "francoer@pdx.edu", "name": "Erick Franco"}, {"message": "Hello EC2!", "date": "2025-02-08 06:17:03.309486", "email": "francoer@pdx.edu", "name": "Erick Franco"}, {"message": "Hello ECS!", "date": "2025-02-14 21:58:31.347520", "email": "francoer@pdx.edu", "name": "Erick Franco"}, {"message": "He;;p Api Gateway", "date": "2025-02-28 10:34:15.126814", "email": "francoer@pdx.edu", "name": "Erick Franco"}, {"message": "Hello Elastic Beanstalk.", "date": "2025-02-13 23:06:54.100885", "email": "francoer@pdx.com ", "name": "Erick Franco"}, {"message": "Hello Docker DynamoDB!", "date": "2025-02-08 05:13:50.961010", "email": "Francoer@pdx.edu", "name": "Erick Franco"}, {"message": "Hello DynamoDB!", "date": "2025-02-08 05:04:29.259895", "email": "Francoer", "name": "Erick Franco"}]

08.2a.16

Guestbook

Name: Erick Franco

Email: francoer@pdx.edu

Message:
Hello S3, API Gateway, Lambnda!

Sign

Entries

Erick Franco <francoer@pdx.edu>
signed on 2025-02-08 06:03:01.600794
Hello Cloud9!

Erick Franco <francoer@pdx.edu>
signed on 2025-02-08 06:17:03.309486
Hello EC2!

Erick Franco <francoer@pdx.edu>
signed on 2025-02-14 21:58:31.347520
Hello ECS!

Erick Franco <francoer@pdx.edu>
signed on 2025-02-28 10:34:15.126814
He;;p Api Gateway

Erick Franco <francoer@pdx.edu>
signed on 2025-02-28 11:03:23.065547
Hello API Gateway from local HTML

Erick Franco <francoer@pdx.edu>
signed on 2025-02-28 11:04:53.769034
Hello S3, API Gateway, Lambda!

08.2g.10

```
francoer@cloudshell:~/cs430-src/06_gcp_restapi_cloudfunctions (cloud-franco-francoer)$
apiConfig: projects/594659887782/locations/global/apis/gbapi/configs/gbapiconfig
createTime: '2025-03-01T22:23:19.272559206Z'
defaultHostname: gbapigw-7l6l5606.uc.gateway.dev
displayName: gbapigw
name: projects/cloud-franco-francoer/locations/us-central1/gateways/gbapigw
state: ACTIVE
updateTime: '2025-03-01T22:29:23.158654866Z'
```

gbapigw-7l6l5606.uc.gateway.dev

08.2g.11

```
>>> print("Status Code:", resp.status_code)
Status Code: 200
>>> print("Headers:", resp.headers)
Headers: {'content-type': 'application/json', 'access-control-allow-origin': '*', 'X-Cloud-Trace-Context': 'ba8a08111ba467666a484bb645f16968;o=1', 'Date': 'Sat, 01
 Mar 2025 22:33:22 GMT', 'Server': 'Google Frontend', 'Content-Length': '1588'}
>>> print("Response Text:", resp.text)
Response Text: [{"name": "testing1", "email": "Unknown", "date": "2025-03-01 22:33:22.257749", "message": "No message"}, {"name": "Erick Franco", "email": "francoe
r@pdx.edu", "date": "2025-02-21 09:07:10.654017+00:00", "message": "Hell Kubernetes!"}, {"name": "Erick Franco", "email": "francoer@pdx.edu", "date": "2025-02-08 0
7:56:33.776285+00:00", "message": "Hello Cloud Shell!"}, {"name": "Erick Franco", "email": "francoer@pdx.edu", "date": "2025-02-08 07:07:36.379017+00:00", "message
": "Hello Datastore!"}, {"name": "aaaaaaaaaaa", "email": "Unknown", "date": "2025-03-01 22:33:22.257962", "message": "No message"}, {"name": "Erick Franco", "email
": "francoer@pdx.com", "date": "2025-02-13 23:31:15.362181+00:00", "message": "Hello App Engine!"}, {"name": "testing final ", "email": "Unknown", "date": "2025
-01 22:33:22.258049", "message": "No message"}, {"name": "Erick Franco", "email": "francoer@pdx.edu", "date": "2025-02-08 08:05:50.107646+00:00", "message": "Hello
 Computer Engine!"}, {"name": "Erick Franco", "email": "francoer@pdx.edu", "date": "2025-02-08 07:39:47.408752+00:00", "message": "Hello Docker Datastore!"}, {"nam
e": "Erick Franco", "email": "francoer@pdx.edu", "date": "2025-02-15 21:42:09.250034+00:00", "message": "Hello Cloud Run!"}, {"name": "", "email": "Unknown", "date
": "2025-03-01 22:33:22.258214", "message": "No message"}, {"name": "Name 1111111", "email": "Unknown", "date": "2025-03-01 22:33:22.258260", "message": "No messag
e"}, {"name": "Erick Franco", "email": "francoer@pdx.edu", "date": "2025-02-21 09:50:15.172737+00:00", "message": "Hello Cloud Build!"}]
>>> try:
...     json_data = resp.json()
...     print("Response as JSON:", json_data)
...     print("Data Type:", type(json_data))  # Should be <class 'dict'> or <class 'list'>
... except ValueError:
...     print("Response is not a valid JSON.")
...
Response as JSON: [{'name': 'testing1', 'email': 'Unknown', 'date': '2025-03-01 22:33:22.257749', 'message': 'No message'}, {'name': 'Erick Franco', 'email': 'fran
coer@pdx.edu', 'date': '2025-02-21 09:07:10.654017+00:00', 'message': 'Hell Kubernetes!'}, {'name': 'Erick Franco', 'email': 'francoer@pdx.edu', 'date': '2025-02-0
8 07:56:33.776285+00:00', 'message': 'Hello Cloud Shell!'}, {'name': 'Erick Franco', 'email': 'francoer@pdx.edu', 'date': '2025-02-08 07:07:36.379017+00:00', 'mess
age': 'Hello Datastore!'}, {'name': 'aaaaaaaaaaa', 'email': 'Unknown', 'date': '2025-03-01 22:33:22.257962', 'message': 'No message'}, {'name': 'Erick Franco', 'em
ail': 'francoer@pdx.com', 'date': '2025-02-13 23:31:15.362181+00:00', 'message': 'Hello App Engine!'}, {'name': 'testing final ', 'email': 'Unknown', 'date': '2025
-03-01 22:33:22.258049', 'message': 'No message'}, {'name': 'Erick Franco', 'email': 'francoer@pdx.edu', 'date': '2025-02-08 08:05:50.107646+00:00', 'message': 'He
llo Computer Engine!'}, {'name': 'Erick Franco', 'email': 'francoer@pdx.edu', 'date': '2025-02-08 07:39:47.408752+00:00', 'message': 'Hello Docker Datastore!'}, {'
name': 'Erick Franco', 'email': 'francoer@pdx.edu', 'date': '2025-02-15 21:42:09.250034+00:00', 'message': 'Hello Cloud Run!'}, {'name': '', 'email': 'Unknown', 'd
ate': '2025-03-01 22:33:22.258214', 'message': 'No message'}, {'name': 'Name 1111111', 'email': 'Unknown', 'date': '2025-03-01 22:33:22.258260', 'message': 'No mes
sage'}, {'name': 'Erick Franco', 'email': 'francoer@pdx.edu', 'date': '2025-02-21 09:50:15.172737+00:00', 'message': 'Hello Cloud Build!'}]
Data Type: <class 'list'>
>>> print("Data Type of JSON Response:", type(json_data))
Data Type of JSON Response: <class 'list'>
>>> if isinstance(json_data, list) and len(json_data) > 0:
...     first_entry = json_data[0]  # Access the first entry
...     print("\nFirst Guestbook Entry:")
...     print("Name:", first_entry.get("name", "N/A"))
...     print("Email:", first_entry.get("email", "N/A"))
...     print("Date:", first_entry.get("date", "N/A"))
...     print("Message:", first_entry.get("message", "N/A"))
... else:
...     print("No entries found in the response.")
...

First Guestbook Entry:
Name: testing1
Email: Unknown
Date: 2025-03-01 22:33:22.257749
Message: No message
>>>
```

08.2g.12

```
>>> print("Response HTTP Status Code:", resp.status_code)
Response HTTP Status Code: 200
>>> print("Response Headers:", resp.headers)
Response Headers: {'content-type': 'application/json', 'access-control-allow-origin': '*', 'X-Cloud-Trace-Context': '130089b7a6177ffa86f418619439e9d1;o=1', 'Date':
 'Sat, 01 Mar 2025 22:55:40 GMT', 'Server': 'Google Frontend', 'Content-Length': '1745'}
>>> print("Response Text:", resp.text)
Response Text: [{"name": "testing1", "email": "Unknown", "date": "2025-03-01 22:55:40.577219", "message": "No message"}, {"name": "Erick Franco", "email": "francoe
r@pdx.edu", "date": "2025-02-21 09:07:10.654017+00:00", "message": "Hell Kubernetes!"}, {"name": "Erick Franco", "email": "francoer@pdx.edu", "date": "2025-02-08 0
7:56:33.776285+00:00", "message": "Hello Cloud Shell!"}, {"name": "Erick Franco", "email": "francoer@pdx.edu", "date": "2025-02-08 07:07:36.379017+00:00", "message
": "Hello Datastore!"}, {"name": "aaaaaaaaaaa", "email": "Unknown", "date": "2025-03-01 22:55:40.577521", "message": "No message"}, {"name": "Erick Franco", "email
": "francoer@pdx.com", "date": "2025-02-13 23:31:15.362181+00:00", "message": "Hello App Engine!"}, {"name": "testing final ", "email": "Unknown", "date": "2025-03
-01 22:55:40.577626", "message": "No message"}, {"name": "Erick Franco", "email": "francoer@pdx.edu", "date": "2025-02-08 08:05:50.107646+00:00", "message": "Hello
 Computer Engine!"}, {"name": "Erick Franco", "email": "francoer@pdx.edu", "date": "2025-03-01 22:55:40.202981+00:00", "message": "Hello Cloud Functions from Pytho
n Requests!"}, {"name": "Erick Franco", "email": "francoer@pdx.edu", "date": "2025-02-08 07:39:47.408752+00:00", "message": "Hello Docker Datastore!"}, {"name": "E
rick Franco", "email": "francoer@pdx.edu", "date": "2025-02-15 21:42:09.250034+00:00", "message": "Hello Cloud Run!"}, {"name": "", "email": "Unknown", "date": "20
25-03-01 22:55:40.577886", "message": "No message"}, {"name": "Name 1111111", "email": "Unknown", "date": "2025-03-01 22:55:40.577930", "message": "No message"}, {
"name": "Erick Franco", "email": "francoer@pdx.edu", "date": "2025-02-21 09:50:15.172737+00:00", "message": "Hello Cloud Build!"}]
>>>
```

08.2g.15

Name	Status	Type	Initiator	Size	Time
entries gbapigw-7l6l5606.uc.gateway.dev	200 OK	preflight	Preflight	0 B 0 B	226 ms 226 ms
entries gbapigw-7l6l5606.uc.gateway.dev	200 OK	preflight	Preflight	0 B 0 B	288 ms 288 ms
entries gbapigw-7l6l5606.uc.gateway.dev	200 OK	preflight	Preflight	0 B 0 B	92 ms 92 ms

Francoer

File   Edit   View

Francoer

Ln 1, Col 9   8 characters   100%   Window   UTF-8

File   c%3A/Users/efran/cs430-src/06_gcp_restapi_cloudfunctions/frontend-src/index.html

Guestbook

Name: Erick Franco

Email: francoer@pdx.edu
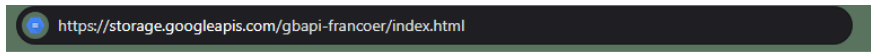
Message:
Hello API Gateway from local SPA!

Sign

Entries

Erick Franco <francoer@pdx.edu>
signed on 2025-03-02 00:29:10.521138+00:00
Hello API Gateway from local SPA!

08.2g.16

Guestbook

Name: Erick Franco

Email: efranco5555@gmail.com

Message:

[   ]

Sign

Entries

Erick Franco <francoer@pdx.edu>
signed on 2025-03-02 00:29:10.521138+00:00
Hello API Gateway from local SPA!

---

testing1 <Unknown>
signed on 2025-03-02 00:46:46.351649
No message

Erick Franco <francoer@pdx.edu>
signed on 2025-02-21 09:07:10.654017+00:00
Hell Kubernetes!

Erick Franco <francoer@pdx.edu>
signed on 2025-02-08 07:56:33.776285+00:00
Hello Cloud Shell!

<>
signed on 2025-03-02 00:22:30.038738+00:00

Erick Franco <francoer@pdx.edu>
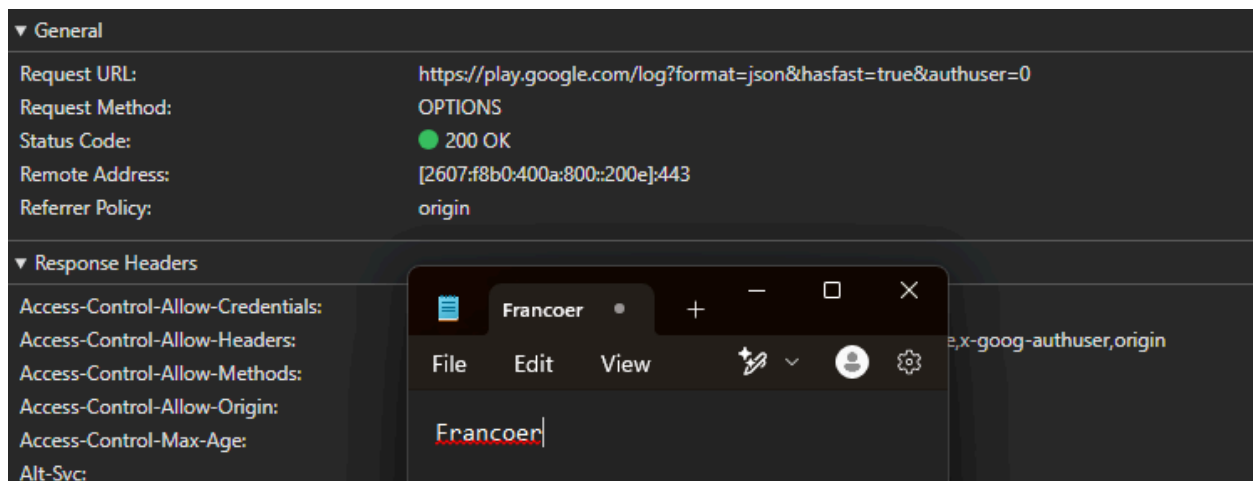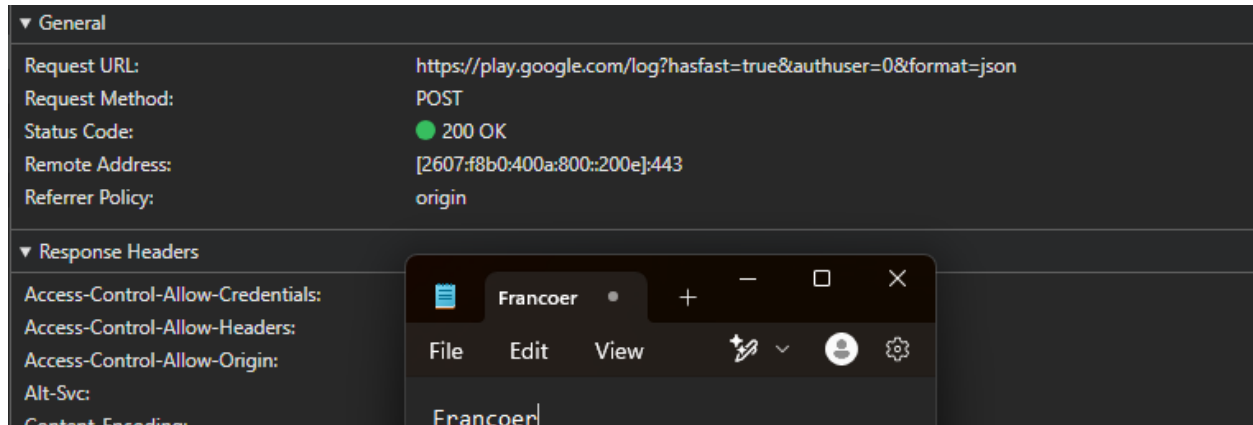signed on 2025-03-02 00:46:45.850611+00:00
Hello Api Gateway from SPA in GCS!

---

https://gcp-oauth-gb-594659887782.us-west1.run.app/

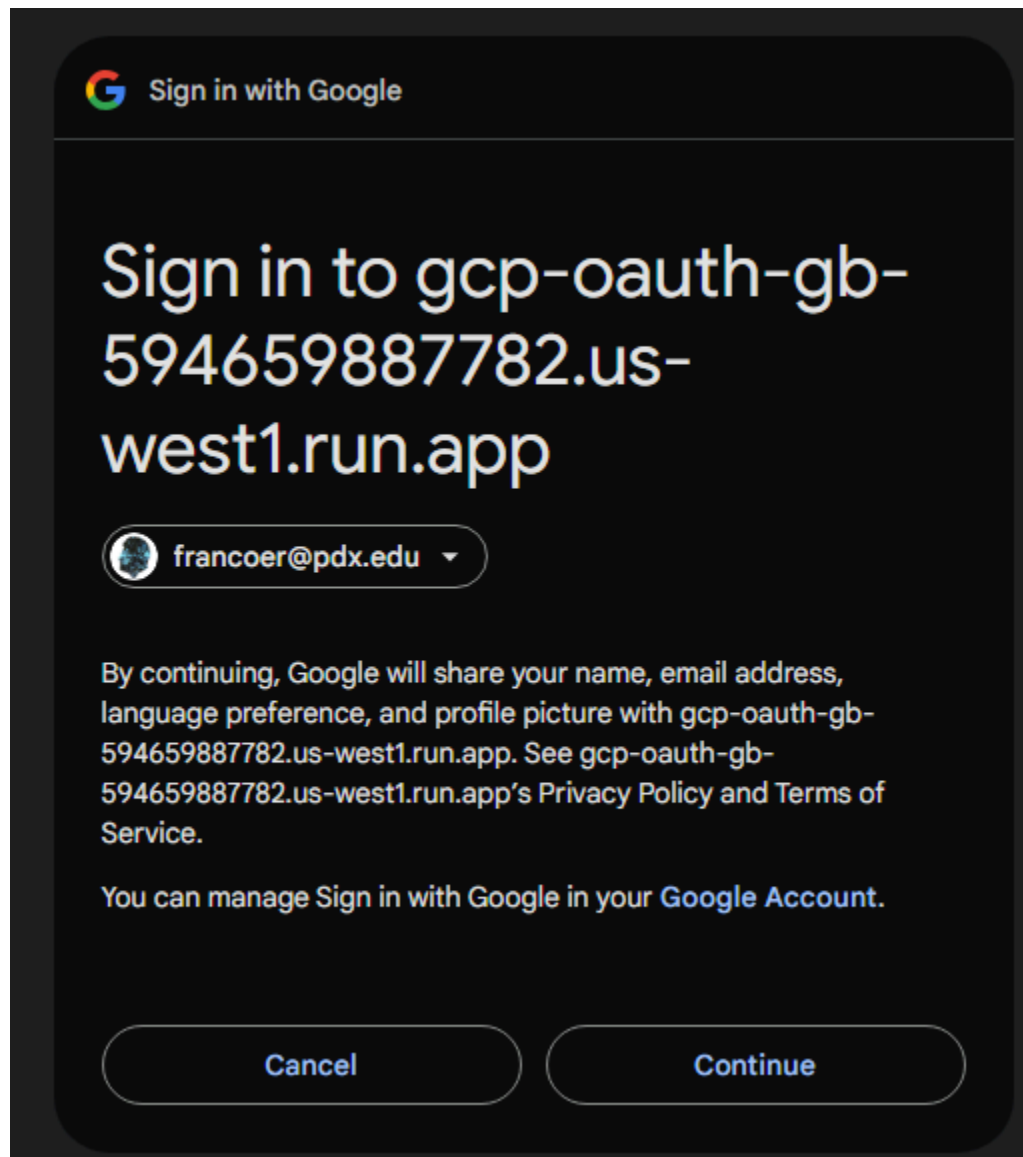Client id: 594659887782-eeva7nj749t6qbc61numg5lklou8j131.apps.googleusercontent.com
Client Secret: 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

08.3g.14

- Based on the description of the source code, what lines of code in our application are responsible for the second request shown?
    - In the code below request the post

```
app.add_url_rule('/sign',
                  view_func=Sign.as_view('sign'),
                  methods=['GET', 'POST'])
```

Name
- diagnostics/?diagnostics=%...
- m=_b,_tp
- ACg8oclkgXRJ17ypTjZ-QCG...
- data:image/svg+xml;...
- 4UaRrENHsxJIGDuGo1OIIJf...
- m=byfTOb,IsjVmc,LEikZe
- m=n73qwf,SCuOPb,IZT63,vf...
- m=ItDFwf,SD8Jgb,rmumx,E...
- m=p3hmRc,LvGhrf,RqjULd
- m=ZDZcre,w9hDv,A7fCU
- log?format=json&hasfast=t...
- m=P6sQOc
- m=Wt6vjf,hhhU8,FCpbqb,W...
- favicon.ico
- log?format=json&hasfast=t...
- favicon.ico
- log?format=json&hasfast=t...
- id?as=S-199477568:174088...
- log?format=json&hasfast=t...
- consent?as=S-199477568:1...
- callback?state=iYiaE2Mh1B...
- sign
- style.css
- ACg8oclkgXRJ17ypTjZ-QCG...
- sign
- style.css
- ACg8oclkgXRJ17ypTjZ-QCG...
- sign
- style.css
- ACg8oclkgXRJ17ypTjZ-QCG...
- sign
- style.css
- ACg8oclkgXRJ17ypTjZ-QCG...
- sign
- style.css
- ACg8oclkgXRJ17ypTjZ-QCG...

56 requests   1.4 MB transferred

Headers Payload Preview Response Initiator Timing Cookies

▼ General

Request URL: https://gcp-oauth-gb-594659887782.us-west1.run.app/callback?state=iYiaE2Mh1BQ9IkssyhTAtea AID4C8L&code=4%2F0AQSTgQHluyu2OLopbivqDZasXXcaXrI-NhVnoYc_RHpaVyDOHlzG91rjjHk7 V5DTPDzJmg&scope=email+profile+openid+https%3A%2F%2Fwww.googleapis.com%2Fauth%2 Fuserinfo.profile+https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fuserinfo.email&authuser=0 &hd=pdx.edu&prompt=consent

Request Method: GET
Status Code: 🟠 302 Found
Remote Address: [2001:4860:4802:38::35]:443
Referrer Policy: origin

▼ Response Headers

Alt-Svc: h3=":443"; ma=2592000,h3-29=":443"; ma=2592000
Content-Length: 197
Content-Type: text/html; charset=utf-8
Date: Sun, 02 Mar 2025 03:37:17 GMT
Location: /sign
Server: Google Frontend
Set-Cookie: session=.eJy9VMmyqkgQ_RfXTy8UoJe7Q5RBpZRBpo4OooBCCpkEIOHF-
_eHPS960ateVERlVlaekyer8vuiQs8uDdoOdXjxtSAeQXugpfRW59V7246pJXQYCfmOFT9Pi29
_hHfVHZeLr-8LFEW4bf-
0FyMC_ApRAnaNS8255tSgyyflgjhP8ml8FQ1_TZYEpVYMBQ1B8xWz2wQD_ZKJGxyGSiFxRiL
mR7YoXNdaGxiiTxQLe1cyPD4x97GyVoYqOC23MDyaYKMAIUgvgyl224YVbVeWsbcuHw9K6
Kk-
oD57cgwMKD44KotvwT3mJupzv7xSDH8OjeiAxJt3FCLVFAzNIHRFdoFG6pnPxpUv6JTs4OR4i
m6TXKfoDTeXj4eaNLgNULf4ojcs9cITgFmvNgwLePbvYzKLwXA8_21B4r_EweMhDeWlnMnBv
E4qDYnaqkVX-6K6VrMlaMBjvMnI_J0KPEvKvexANEedzs6ePcseBXca5e-
kAso651kaOMsqOYkHCrvCO-fRpnWS6KsZpo4Y7e1KPQBfscNR0ciVleDLUL4-
PcB3KumJ59a9mIUEWncKZIfuvLsxcLqNJ8fO42LPhEXFwF1OwVli3uQNYWI3_mS3CAyv2Eof
mqUNp0LqI0V7-oB_-WDIYxfmUQFfYWnkYan_A8u-
_19YEWOTN5ZmCaO20wG0BBpOOjcvFlpXeubAvOOQrL816n3I9vQdg377fldOkdO__UVUS
O-ceXTf_kvMkMSFPSLHr31nzIMaY-xc53ZK82tP0wjc3jIaM6-
N65RSzpUufACfzj51z_ul86f8dw6ORM1ch5IbP2sCYKYxc0tzrMwtzfazJgJ7ftcxxfwqucSyuHOo
ZZUne7TdjMNdNJHZdTC9cyha0xnXbIF7p_IDVj97XOqafD7ssrYom-
hJjVe2ggI5VTaXBQqsOOc80VXQyJv2gZdHMYmOW5rd8lfzwe5PVWMMcOnSvIFFx7kk-
vispb35SDu-
GS5xNdttq3S5FqrrZyIPI4oKTEZ81UERiGJ0GZP1QbLLgO7sUfYtsfGICXh1q9OcvrxL28ckoKGf
1Cgf7qflt1rINMbJuTIE2REf6ReTren--SIPc81j00sm51pEdCG1YYuZ4-
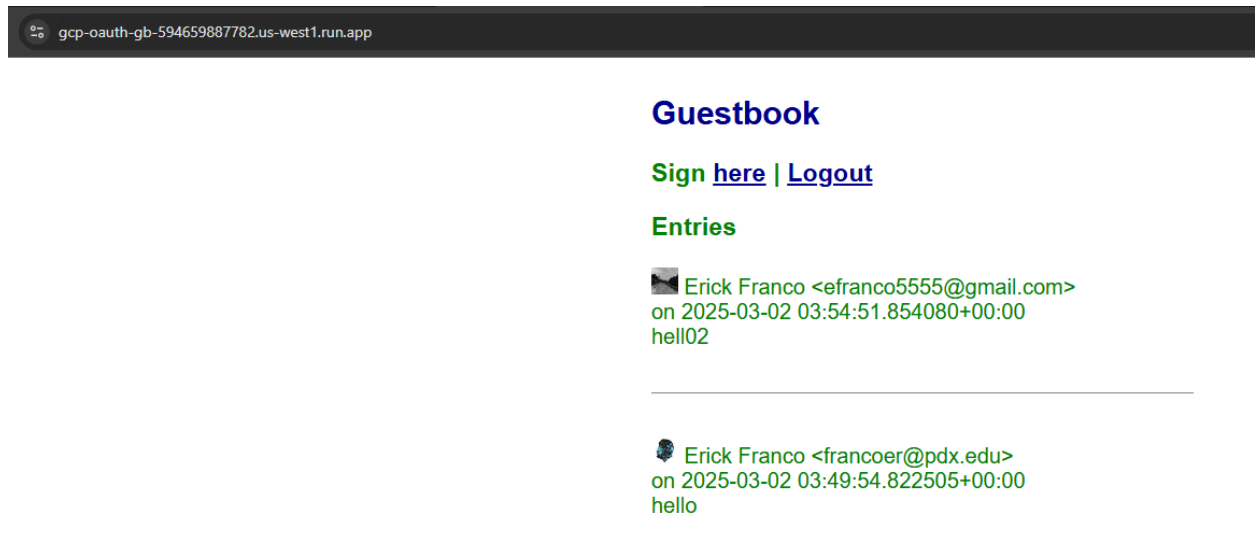sCz7MmLK_w0KF9tPwGaMOOhWc63PX6KxxOflgD_WXrcRhNWGHvCaVfcMaolvImi-

● **What is the URI for the Location that the User sent to by the Callback?**
   ○ Location: /sign
   ○ Thus: https://gcp-oauth-gb-594659887782.us-west1.run.app/sign

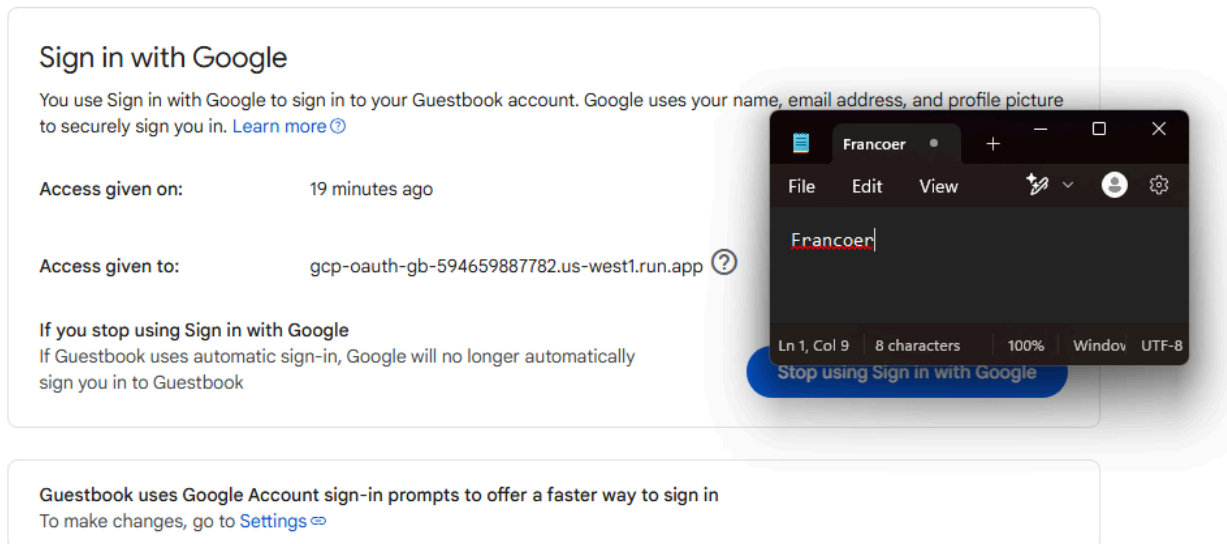**URL:**
https://lh3.googleusercontent.com/-q5neknqnDr0/AAAAAAAAAAI/AAAAAAAAAAA/ALKGfklDGkyYuzyDyAjqHs1R6jdUowrfyg/s128-c/photo.jpg

08.3g.15

gcp-oauth-gb-594659887782.us-west1.run.app

Guestbook

Sign here | Logout

Entries

Erick Franco <efranco5555@gmail.com>
on 2025-03-02 03:54:51.854080+00:00
hell02

Erick Franco <francoer@pdx.edu>
on 2025-03-02 03:49:54.822505+00:00
hello

08.3g.16

Sign in with Google

You use Sign in with Google to sign in to your Guestbook account. Google uses your name, email address, and profile picture to securely sign you in. Learn more ⓘ

Access given on: 19 minutes ago

Access given to: gcp-oauth-gb-594659887782.us-west1.run.app ⓘ

If you stop using Sign in with Google
If Guestbook uses automatic sign-in, Google will no longer automatically sign you in to Guestbook

Stop using Sign in with Google

Guestbook uses Google Account sign-in prompts to offer a faster way to sign in
To make changes, go to Settings ⧉

Francoer ● + — ☐ ✕

File   Edit   View   🪄 ∨   ●   ⚙

Francoer

Ln 1, Col 9   8 characters   100%   Window   UTF-8

08.4g.4

- What other domains are given access to this Firebase project by default?
  - Local host
  - fir-francoer.firebaseapp.com
  - Fir-francoer.web.app

08.4g.8

Its not specific enough which files it wants screenshotted

main.js

```
/*
 * ATTENTION: An "eval-source-map" devtool has been used.
 * This devtool is neither made for production nor for readable output files.
 * It uses "eval()" calls to create a separate source file with attached SourceMaps in the browser devtools.
 * If you are trying to read the output file, select a different devtool (https://webpack.js.org/configuration/devtool/)
 * or disable the default devtool with "devtool: false".
 * If you are looking for production-ready output files, see mode: "production" (https://webpack.js.org/configuration/mode/).
 */
/******/ (() => { // webpackBootstrap
/******/        "use strict";
/******/        var __webpack_modules__ = ({
```

firebase-messaging-sw.js

08.4g.12

What missing functions deal with user authentication?
```
async function signIn() {
function signOutUser() {
function initFirebaseAuth() {
function getProfilePicUrl() {
function getUserName() {
function isUserSignedIn()
```

What missing functions deal with sending and receiving messages?
```
async function saveMessage(messageText) {
function loadMessages() {
async function saveImageMessage(file) {
```
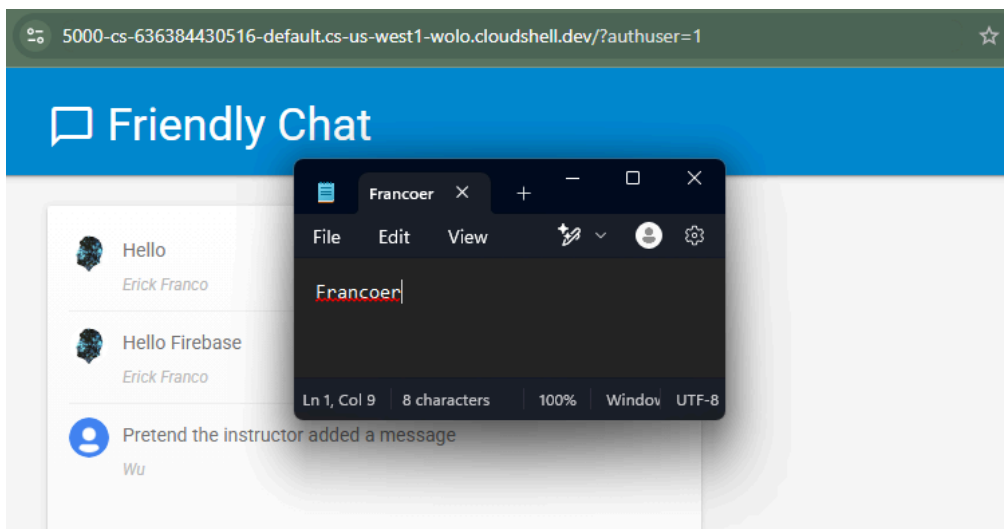
08.4g.13

- What are the names of the elements that are hidden when the user is signed out?

```
userNameElement.setAttribute('hidden', 'true');
userPicElement.setAttribute('hidden', 'true');
signOutButtonElement.setAttribute('hidden', 'true');
```

- What is the name of the element that is not hidden when the user is signed out?

```
signInButtonElement.removeAttribute('hidden');
```

08.4g.16
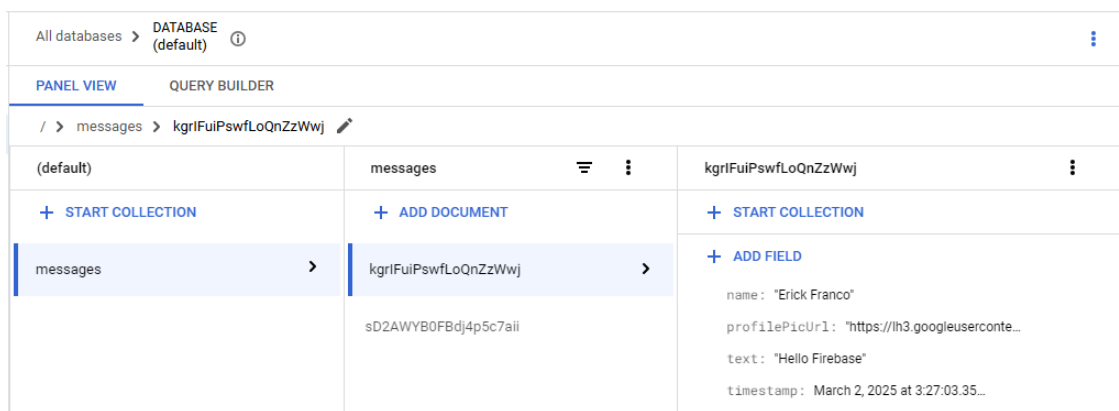
08.4g.16

08.4g.18

- What is the URL of the image that is first shown in the UI as the message is loading?
    - LOADING_IMAGE_URL
    - https://www.google.com/images/spin-32.gif?a

08.4g.19

- How do the fields in an image document differ from that of the text document?
    - The top field is imageurl instead of name, and text is not in there
- What URL and storage location can the image be found at?
    - "https://firebasestorage.googleapis.com/v0/b/firebase-francoer.firebasestorage.app/o/k2w6u7sFO6YvxE4tRCMA7OmryYa%2FSOOZTKKgpi9pYFGCqxWB%2Fmouse-80quality.jpg?alt=media&token=f9653d23-eed2-4071-bf2d-8e355c08548b"
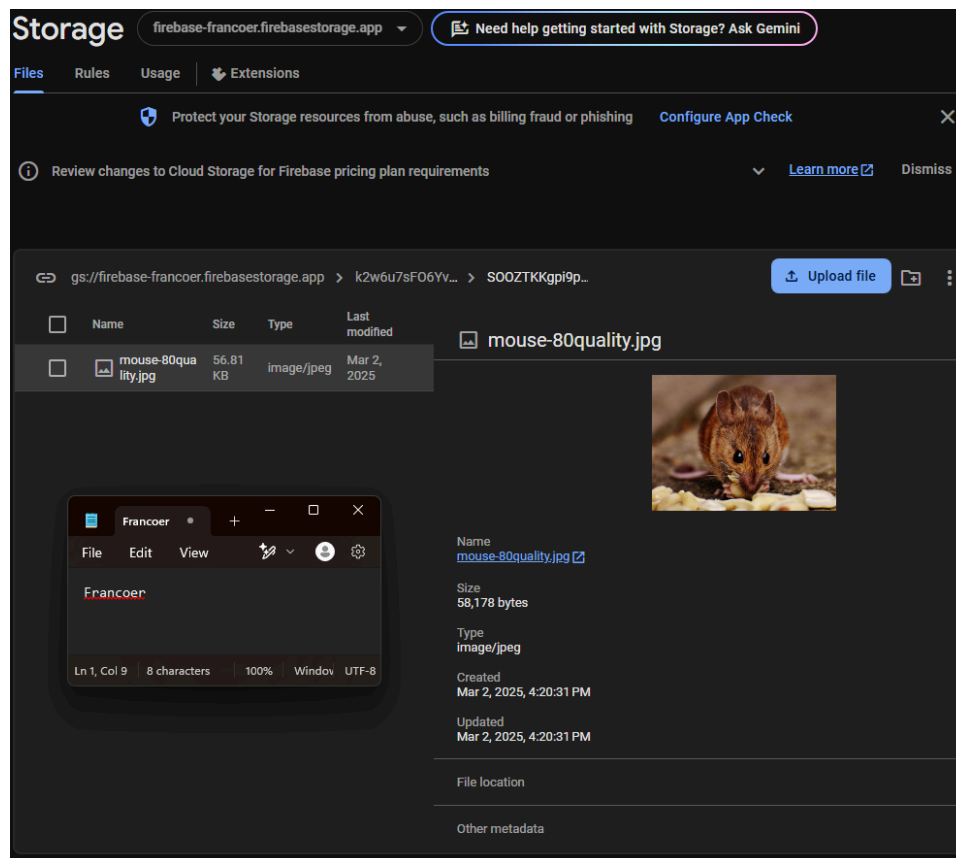
08.4g.20

What directory is the application going to be served from?

      -The public directory

🗨 Friendly Chat

Hello
Erick Franco

Hello Firebase
Erick Franco

Pretend the instructor added a message
Wu

Erick Franco

Erick Franco

Erick Franco

hello??
Erick Franco

Erick Franco

Sending message here
Hector Ojeda