Stuart Rimel

CS530: Internet Web & Cloud, Fall 2023

Odin: srimel

** In all the terminal screenshots my Odin name is in the terminal prompt **

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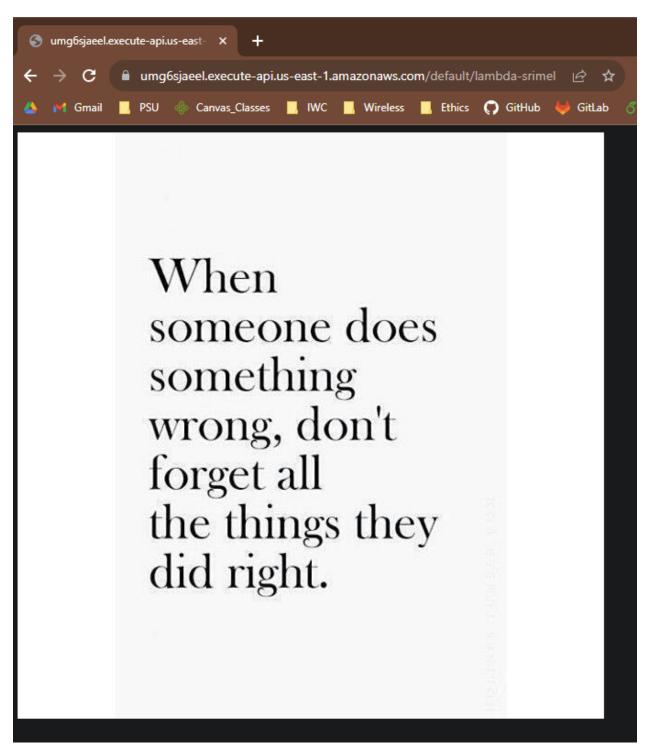
8.4q.18: Add image messaging

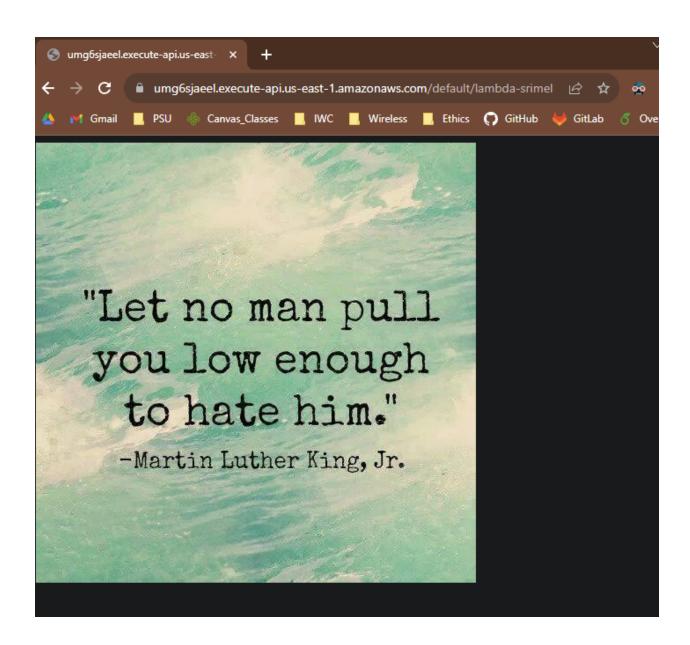
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8.1a: API Gateway

8.1a.4: Test Code



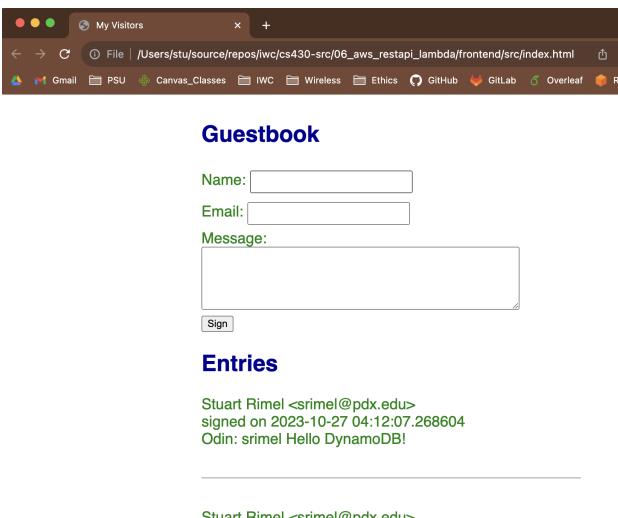


8.1a.8: Test code

```
srimel@course-vm-image-1:~$ curl https://3tqw963fh1.execute-api.us-east-1.amazonaws.com/default/gettime-srimel;
echo
{"message": "Internal server error"}
srimel@course-vm-image-1:~$
```

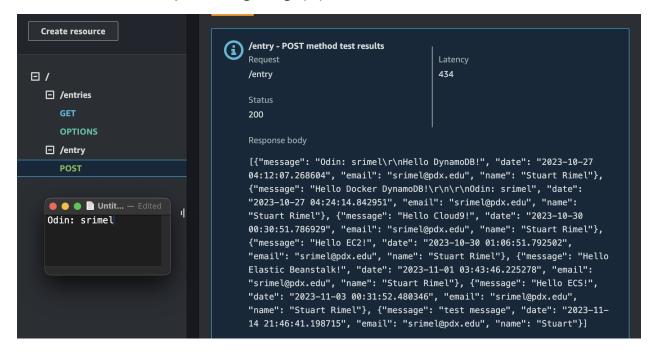
8.2a: Lambda, API Gateway Guestbook

8.2a.10: Deploy to production and view entries

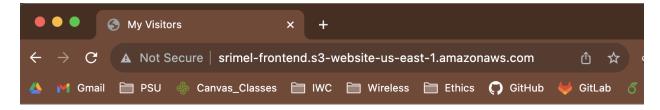


Stuart Rimel <srimel@pdx.edu> signed on 2023-10-27 04:24:14.842951

8.2a.12: API endpoint signing (2)



8.2a.16: Configure and Deploy the Frontend



Guestbook

Name:	Stuart Rimel	
Email:	srimel@pdx.edu	
Messa	ge:	
Hello S	3, API Gateway, Lambda!	
Sign		

Entries

Stuart Rimel <srimel@pdx.edu> signed on 2023-10-27 04:12:07.268604 Odin: srimel Hello DynamoDB! Stuart Rimel <srimel@pdx.edu> signed on 2023-11-14 21:59:22.613483 Hello API Gateway from local HTML!

Stuart Rimel <srimel@pdx.edu> signed on 2023-11-14 21:59:33.814294 Hello API Gateway from local HTML!

8.2g: Cloud Functions API Gateway Guestbook

8.2g.10: Create the API Gateway

API Gateway Hostname: gbapigw-bl9e8835.uc.gateway.dev

8.2g.11: Test API via Python Requests (GET)

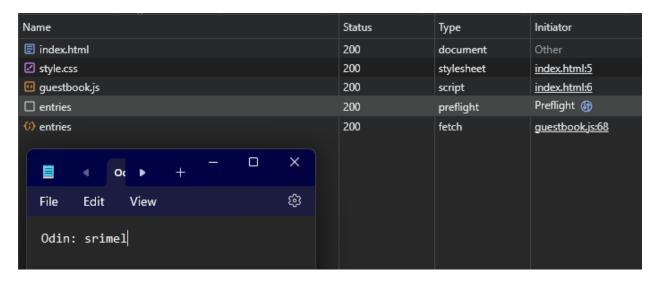


Data type of JSON response is a list of dicts.

8.2g.12: Test the API via Python Requests (POST)

```
>>> mydict = {
       'name': 'Stuart Rimel',
- - -
       'email': 'srimel@pdx.edu',
. . .
       'message': 'Hello from python interpretor!'
. . .
...}
>>> resp = requests.post('https://gbapigw-bl9e8835.uc.gateway.dev/entry', json=mydict)
>>> resp_json = resp.json()
>>> for k, v in resp_json[0].items():
      print('{k} ... {v}')
{k} ... {v}
{k} ... {v} {k} ... {v}
{k} ... {v}
>>> for k, v in resp_json[0].items():
    print(f'{k} ... {v}')
name ... Stuart Rimel
email ... srimel@pdx.edu
date ... 2023-10-30 03:24:07.255408+00:00
message ... Hello Cloud Shell!
>>>
```

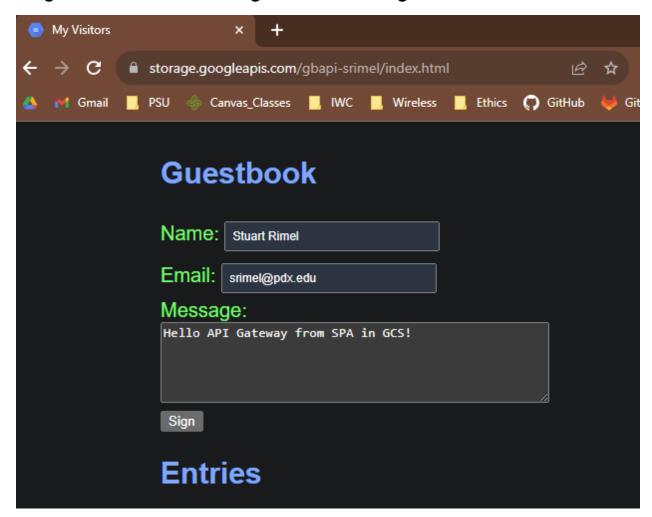
8.2g.15: Version #1: Local file system





Stuart Rimel <srimel@pdx.edu> signed on 2023-11-15 07:32:10.580556+00:00 Hello API Gateway from local SPA!

8.2g.16: Version #2: Google Cloud Storage bucket



Helio App Engine!
Stuart Rimel <srimel@pdx.edu> signed on 2023-11-15 07:40:38.781988+00:00 Hello API Gateway from SPA in GCS!</srimel@pdx.edu>
Stuart Rimel <srimel@pdx edu=""></srimel@pdx>

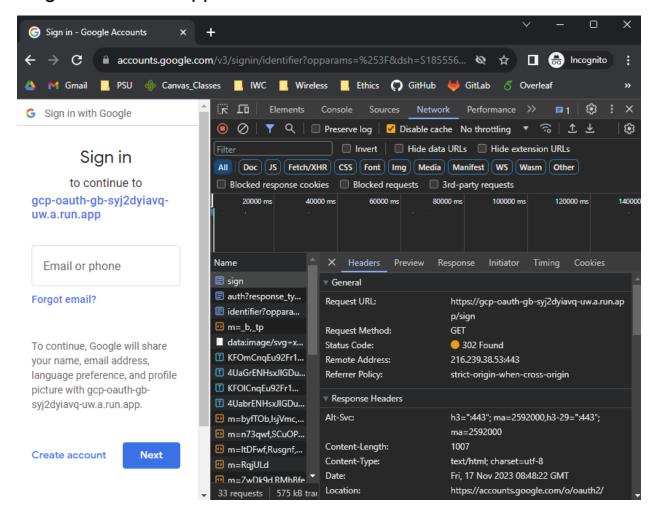
8.3g: OAuth2 Guestbook

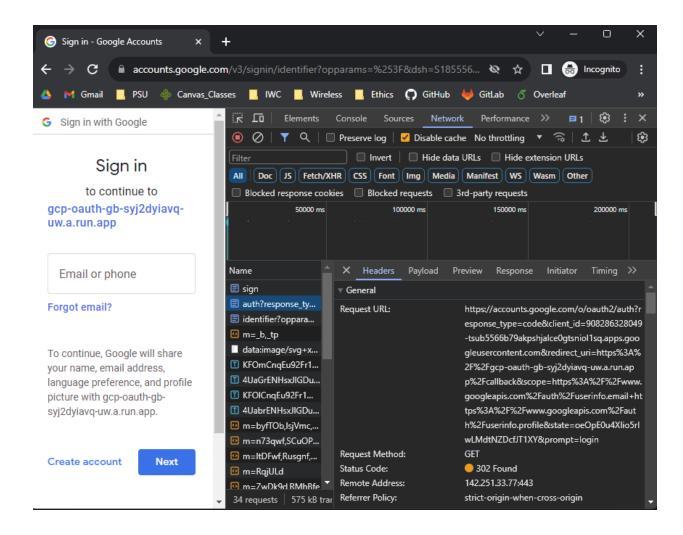
Service URL: https://gcp-oauth-gb-syj2dyiavq-uw.a.run.app

Client ID: 908286328049-tsub5566b79akpshjalce0gtsniol1sq.apps.googleusercontent.com

Client Secret: GOCSPX-ue3rlx-gM bkaSPFu--gj8-aXpFw

8.3g.14: Visit the application

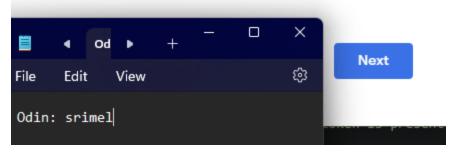


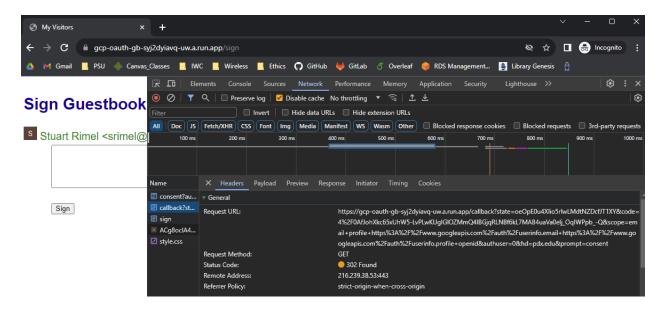


Responsible lines of code for the second request:

Permissions being granted:

To continue, Google will share your name, email address, language preference, and profile picture with gcp-oauth-gb-syj2dyiavq-uw.a.run.app.





URI for the location that the user was sent to by the callback:

https://gcp-oauth-gb-syj2dyiavq-uw.a.run.app/callback?state=oeOpE0u4Xlio5rlwLMdtNZDcfJT1 XY&code=4%2F0AfJohXkc65xUhW5-LvPLwKUgIGIOZMmQ4IBGjqRLNBf6kL7MAB4uaVa0elj_OqIWPpb_-Q&scope=email+profile+https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fuserinfo.email+https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fuserinfo.profile+openid&authuser=0&hd=pdx.edu&prompt=consent

Request for profile image:

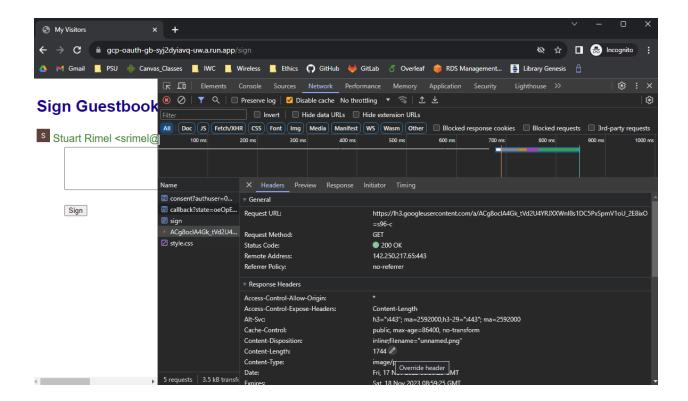
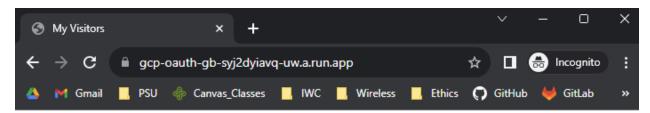


Image Url: https://lh3.googleusercontent.com/a/ACg8ocIA4Gk_tVd2U4YRJXXWnI8s1DC5PxSpmV1oU_2E8ixO=s96-c

8.3g.15: Secrets manager deployment



Guestbook

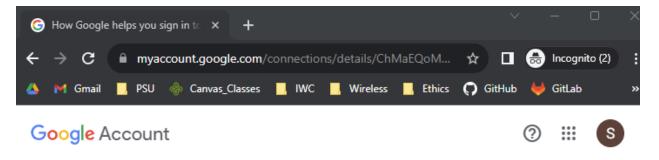
Sign here | Logout

Entries

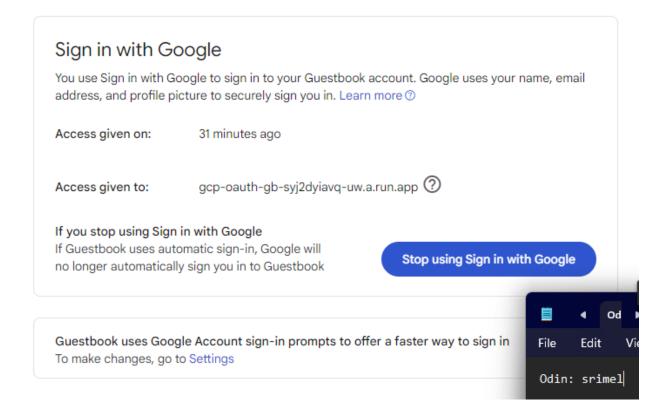
Stuart Rimel <srimel@pdx.edu> on 2023-11-17 09:13:05.125355+00:00 Hello from Oauth2 deployed cloud run!

Stuart Rimel <srimel@pdx.edu> on 2023-11-17 09:24:07.514977+00:00 Hello secrets manager!

8.3g.16: Removing access



← How Google helps you sign in to Guestbook



8.4g: Firebase

8.4g.4: Authentication setup

Other domains given access: firebase, localhost

8.4g.8: Bundling with Webpack

8.4g.12: Add authentication

Authentication missing functions: signIn, initFirebaseAuth, signOutUser

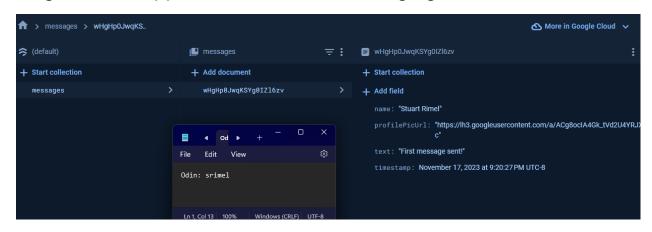
Send/Receive message missing functions: saveMessage, loadMessages, saveImageMessage, saveMessagingDeviceToken

8.4g.13: Update UI

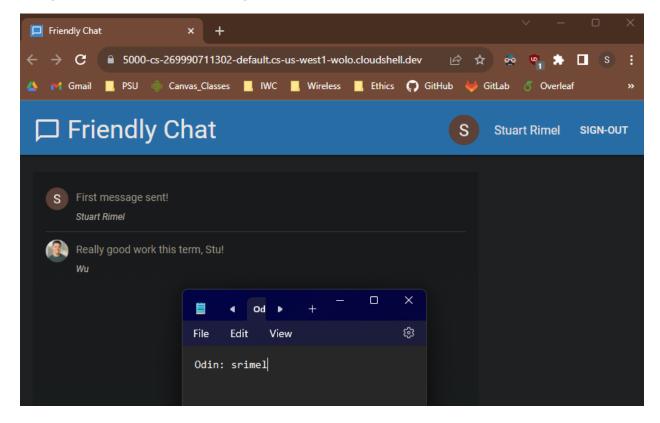
Names of elements that are hidden: userName, userPic, signOutButton

Name of element not hidden: signInButton

8.4g.16: Test application with text messaging



8.4g.17: Manual message insertion



8.4g.18: Add image messaging

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

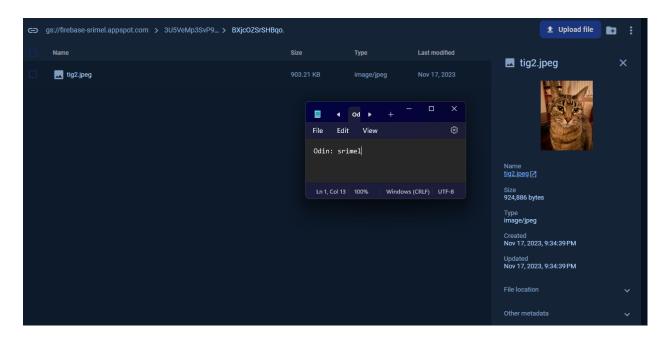
8.4g.19: Test application with image messaging

Difference between fields: there is an imageUrl field instead of a text field, there is also a storageUri field

Image URL:

https://firebasestorage.googleapis.com/v0/b/firebase-srimel.appspot.com/o/3U5VeMp3SvP9zIAQLv6kyJ7nrMz1%2FBXjcOZSrSHBqowJOtyd7%2Ftig2.jpeg?alt=media&token=c439e8c3-a572-4b29-9d54-5b3d96d05e19

Storage location: 3U5VeMp3SvP9zIAQLv6kyJ7nrMz1/BXjcOZSrSHBqowJOtyd7/tig2.jpeg



8.4g.20: Deploy application

Directory app is served from: public/

