CS356 -lab07:3a - Branden-Codd, 940428984

1. Overview

- No screenshots or observations

2. Create a Lambda execution role

- No screenshots or observations

3. Create a Cloud9 Environment

- No screenshots or observations

4. Obtain AWS account ID

- No screenshots or observations

5. REST API Code

Answer the following questions:

- **What might go wrong when we call `scan`? Think about the way DynamoDB works, and look at the scan documentation for a hint. What could be done to address this problem?**
    - A possible issue is the limited size of the dataset. If the scanned dataset exceeds the limit of of 1 MB then the scans stops and is returned as a lastevalutatedkey. A possible solution would be to have this run in a loop and check to make sure the entire table has been scanned through and not missing any data.

6. Deploy the Lambda for viewing entries

- No screenshots or observations

7. Create API in API Gateway

- No screenshots or observations

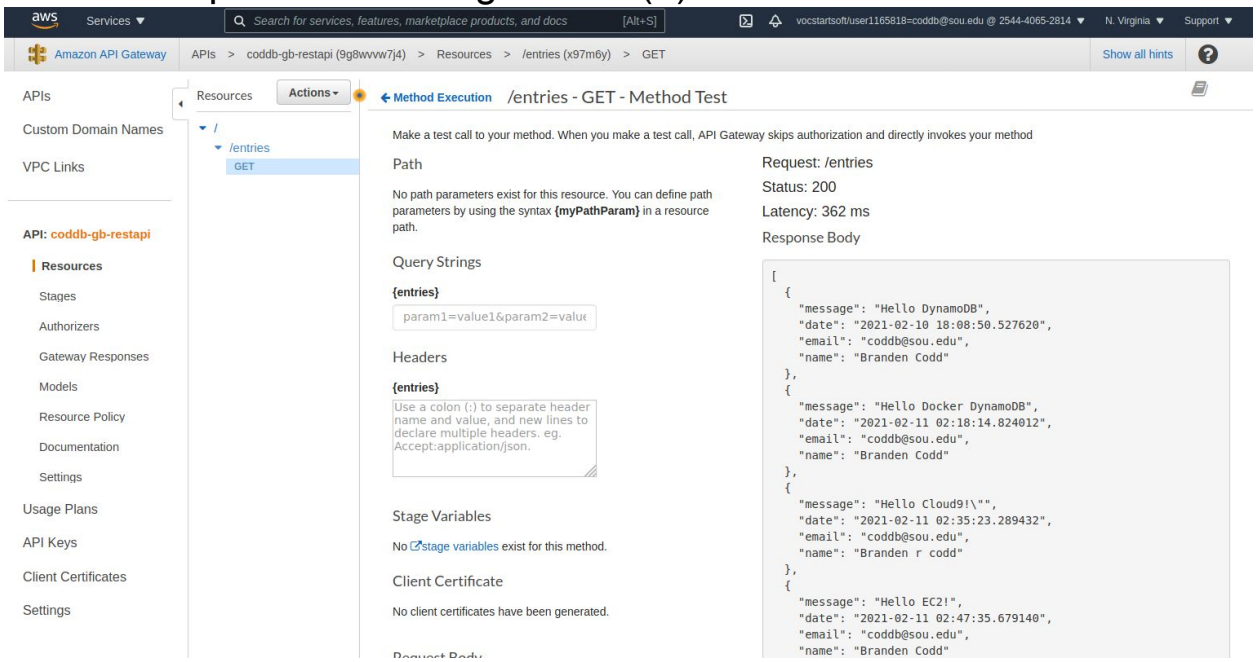
8. Enable API to invoke Lambda function

- No screenshots or observations

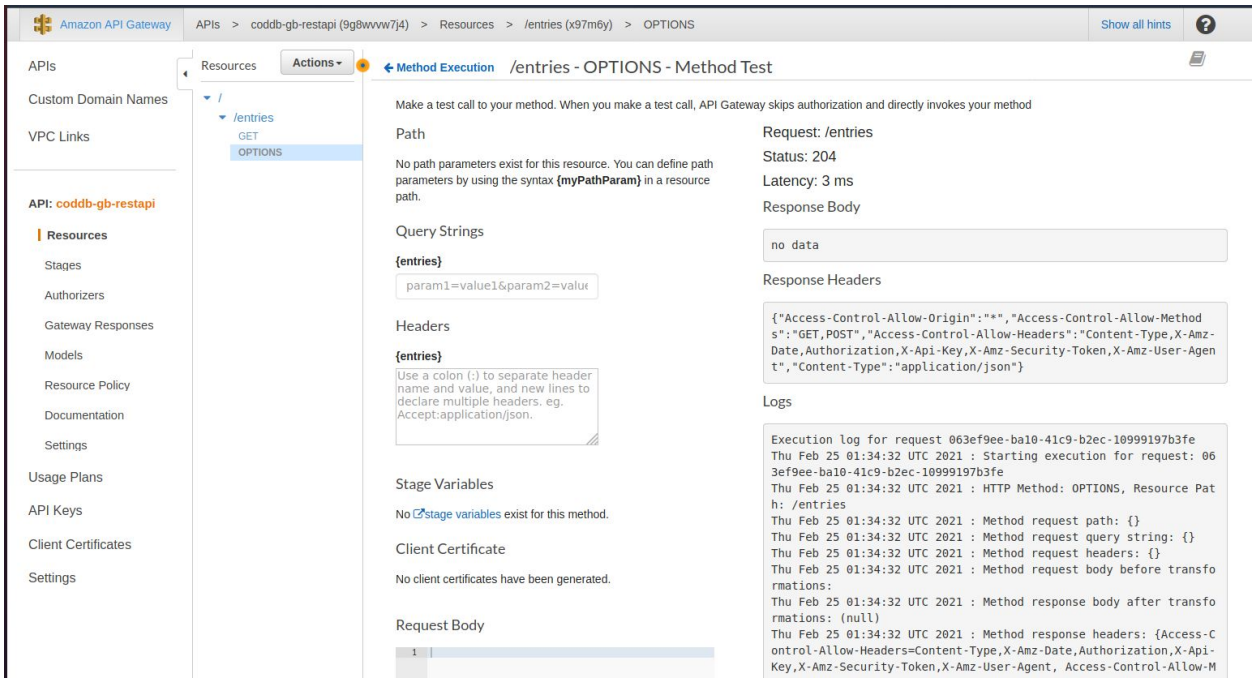
9. API endpoint for viewing entries (1)

- No screenshots or observations

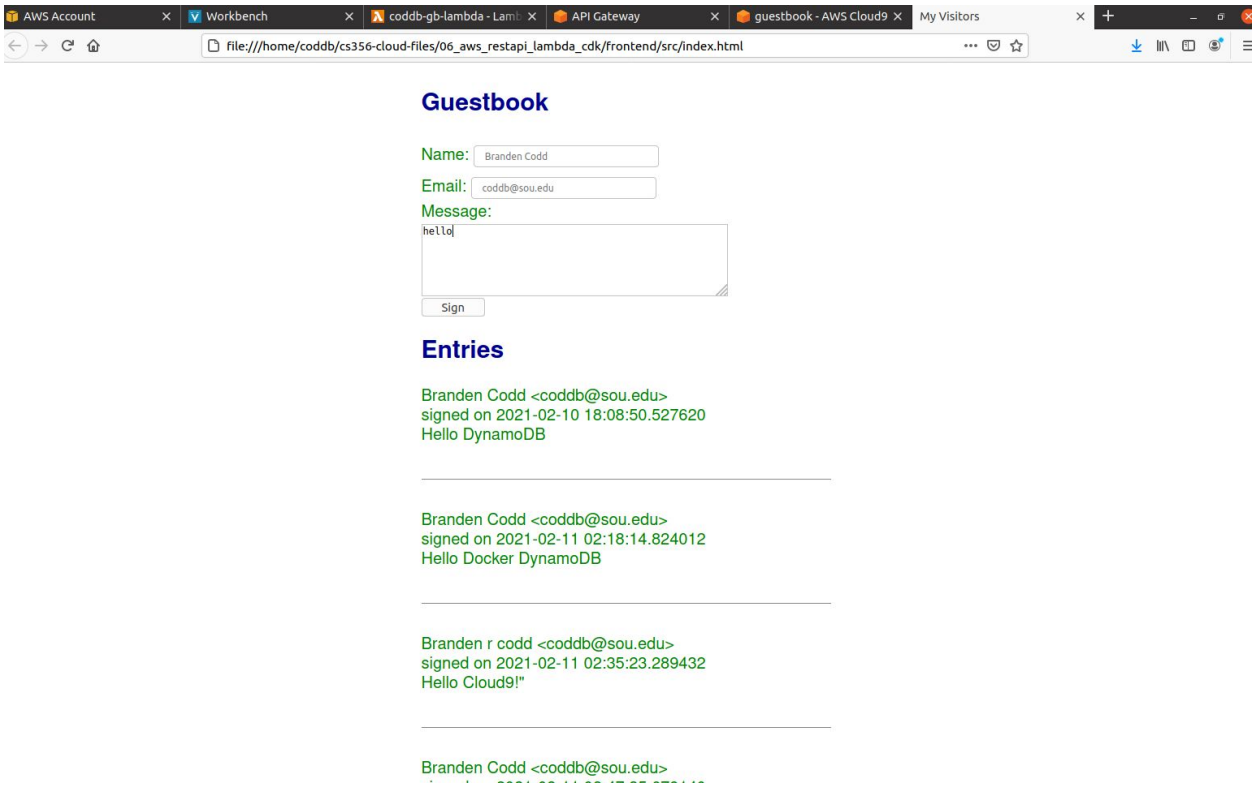
10. API endpoint for viewing entries (2)



11. CORS setup for viewing entries



12. Deploy API to production and view entries



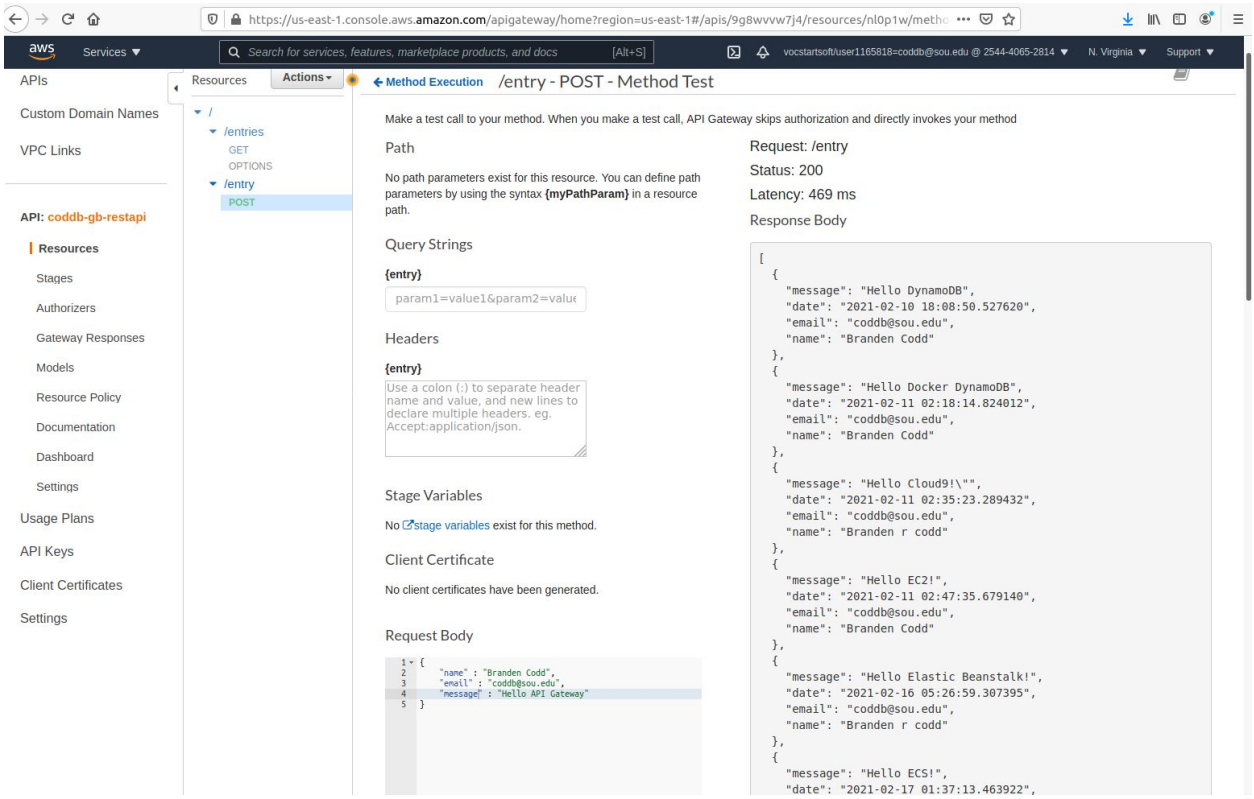
13. API endpoint for signing (1)

- No screenshots or observations

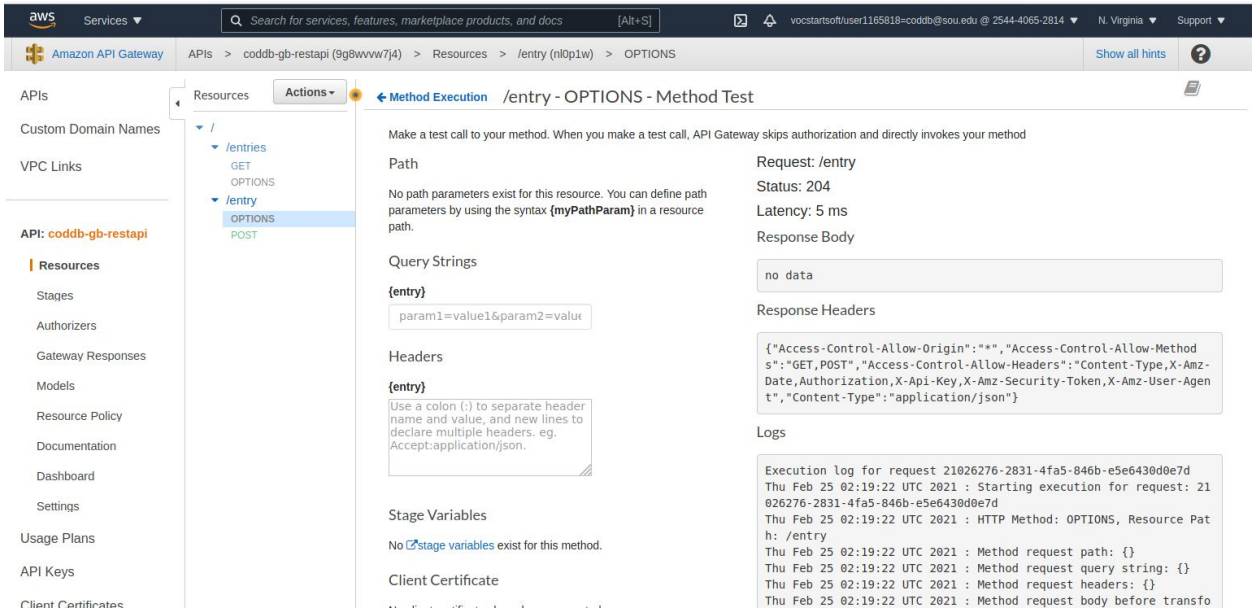
14. API endpoint for signing (2)

Click on TEST, then view the response. The API returns the entire contents of the guestbook including the entry you have added.

- **Take a screenshot showing that the submission worked.**



15. CORS setup for signing



16. Deploy API to production and sign

Branden Codd <coddb@sou.edu>
signed on 2021-02-25 02:16:08.830792
Hello API Gateway

Branden Codd <coddb@sou.edu>
signed on 2021-02-25 02:34:37.561925
hello API gateway from local HTML

Branden Codd <coddb@sou.edu>
signed on 2021-02-25 02:34:39.086334
hello API gateway from local HTML

Branden Codd <coddb@sou.edu>
signed on 2021-02-25 02:34:43.285930
hello API gateway from local HTML

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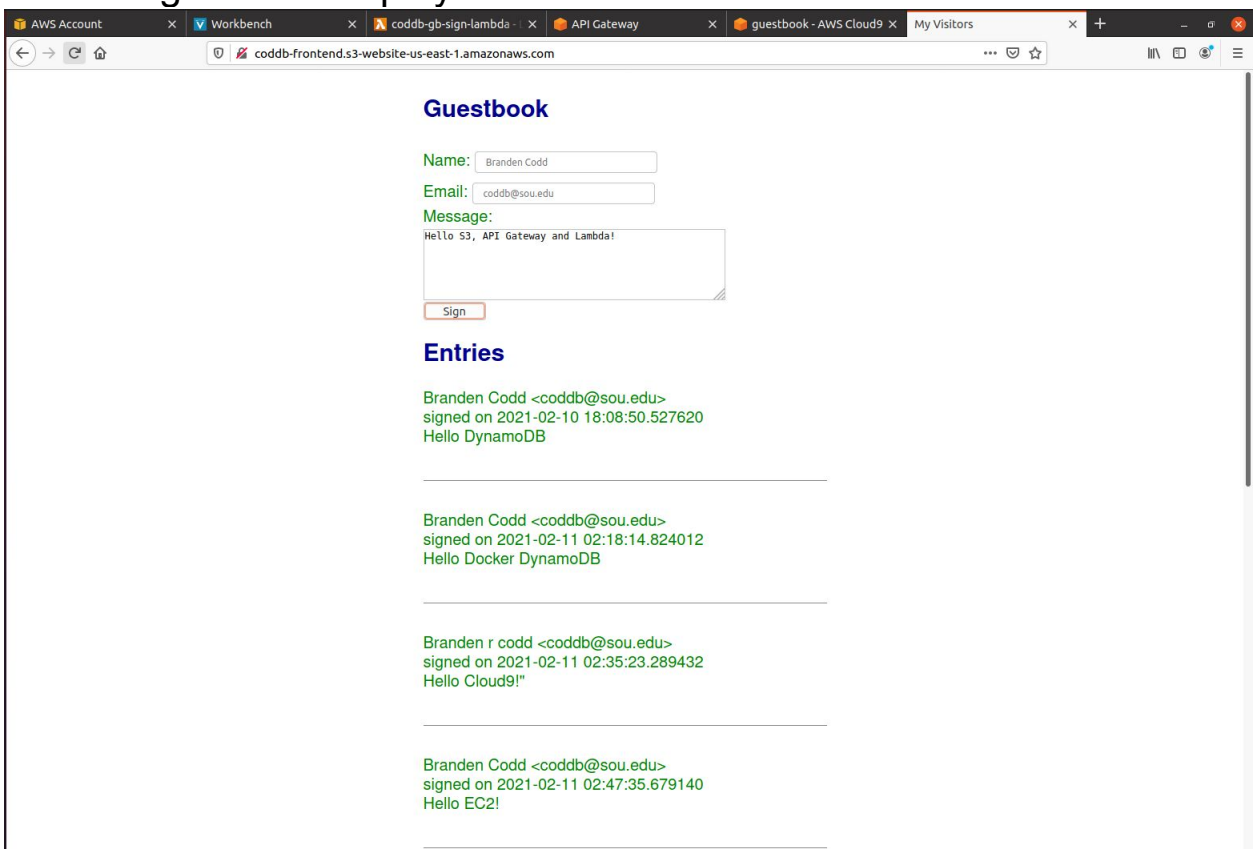
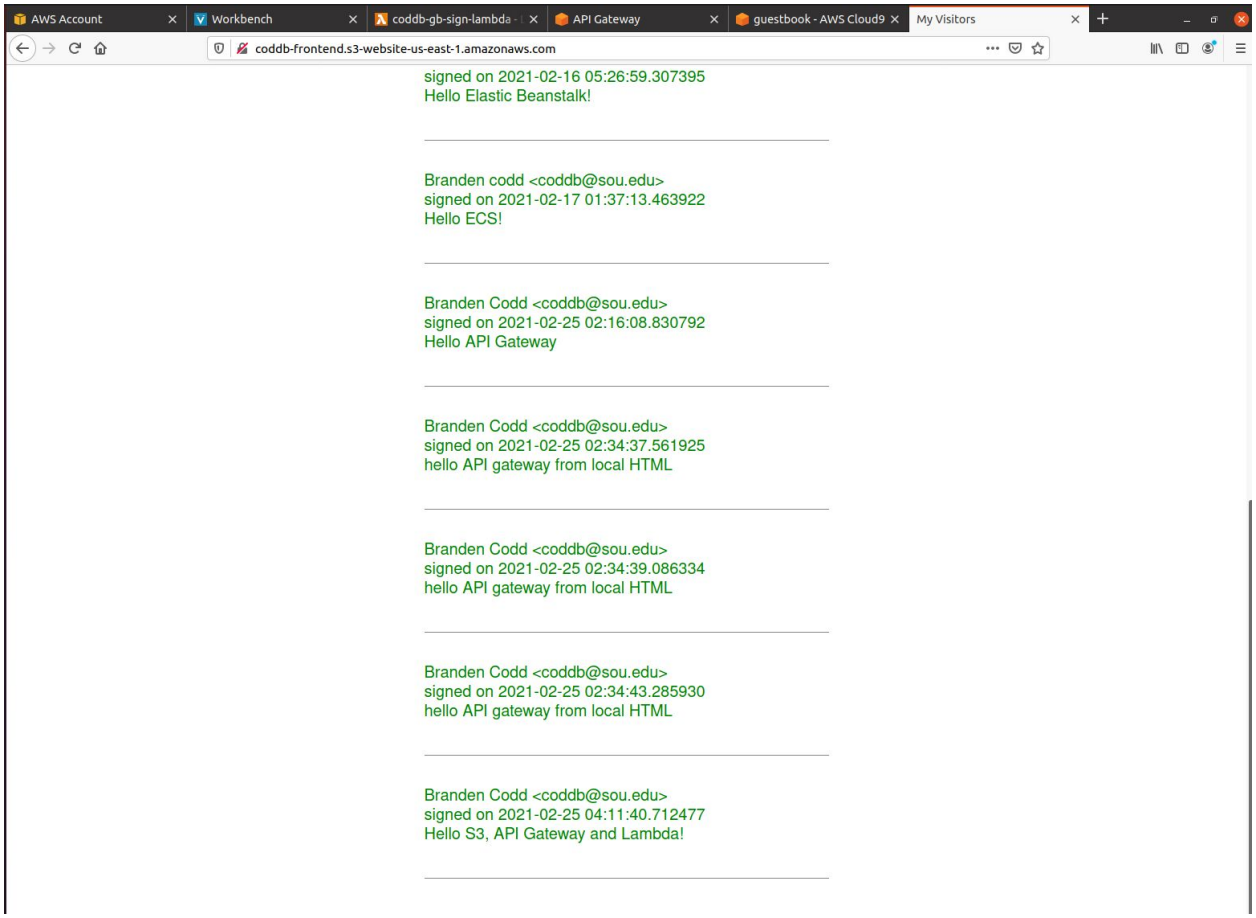
17. Frontend Code

- No screenshots or observations

18. Configure and Deploy the Frontend




AWS Account
Workbench
coddb-gb-sign-lambda -
API Gateway
guestbook - AWS Cloud9
My Visitors
coddb-frontend.s3-website-us-east-1.amazonaws.com
signed on 2021-02-16 05:26:59.307395
Hello Elastic Beanstalk!
Branden codd <coddb@sou.edu>
signed on 2021-02-17 01:37:13.463922
Hello ECS!
Branden Codd <coddb@sou.edu>
signed on 2021-02-25 02:16:08.830792
Hello API Gateway
Branden Codd <coddb@sou.edu>
signed on 2021-02-25 02:34:37.561925
hello API gateway from local HTML
Branden Codd <coddb@sou.edu>
signed on 2021-02-25 02:34:39.086334
hello API gateway from local HTML
Branden Codd <coddb@sou.edu>
signed on 2021-02-25 02:34:43.285930
hello API gateway from local HTML
Branden Codd <coddb@sou.edu>
signed on 2021-02-25 04:11:40.712477
Hello S3, API Gateway and Lambda!