1. DynamoDB

- No screenshots or observations

2. model_dynamodb

- No screenshots or observations

3. Version 1: Ubuntu VM Python

- No screenshots or observations

4. Obtain AWS credentials

```
(env) coddb@coddb-VirtualBox:~/cs356-cloud-files/05_aws_dynamodb$ export AWS_ACC
ESS_KEY_ID=ASIATWPOYIAHCSXIU4OJ
(env) coddb@coddb-VirtualBox:~/cs356-cloud-files/05_aws_dynamodb$ export AWS_SEC
RET_ACCESS_KEY=3fHjt+kf2WW5FITiGTh2es+JbEyURwePVTDVROC/
(env) coddb@coddb-VirtualBox:~/cs356-cloud-files/05_aws_dynamodb$ export AWS_SES
SION_TOKEN=FwoGZXIvYXdzEMv//////////wEaDB1Of00+iMR++3pzaiK9ASkhSYJjsrUqJfeiOmaOk
iWYhVisOF0wFhRukmdD1/NgGx/yzlgcF+4bdBulqQVM3q3ACujFH3vZbAqUJq4mZKy+OsFlKkkiFvQ2f
vQfRVCT5FT2a6M+NKbeRYyRZGTRNlXd4Fx2tFXJZd0UDMCF+m0U/3ZM/6VA0kw1AR0/a+fwMEcRsTunL
7SnN0u1KBOMbmwjFqunHObqFjwed69HJW5i2uk75Eg+DQTjsnZVCG/BHMSA1TftbOuIpaJ63CjBnJKBB
jItxgvHG3gQFKgk3g0yrL43g8tRvE/pmBikqNtQAncgcSdVzALsZJJQrlYCH2gb
(env) coddb@coddb-VirtualBox:~/cs356-cloud-files/05_aws_dynamodb$ export AWS_DEF
AULT_REGION=us-east-1
(env) coddb@coddb-VirtualBox:~/cs356-cloud-files/05_aws_dynamodb$
```

5. Run the application

- Sign the guestbook with your name and SOU e-mail address with the message "Hello DynamoDB" and take a screenshot of the output for your lab notebook.
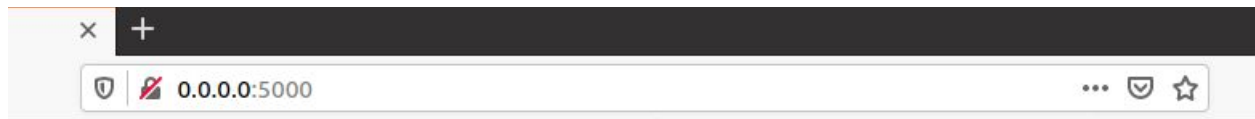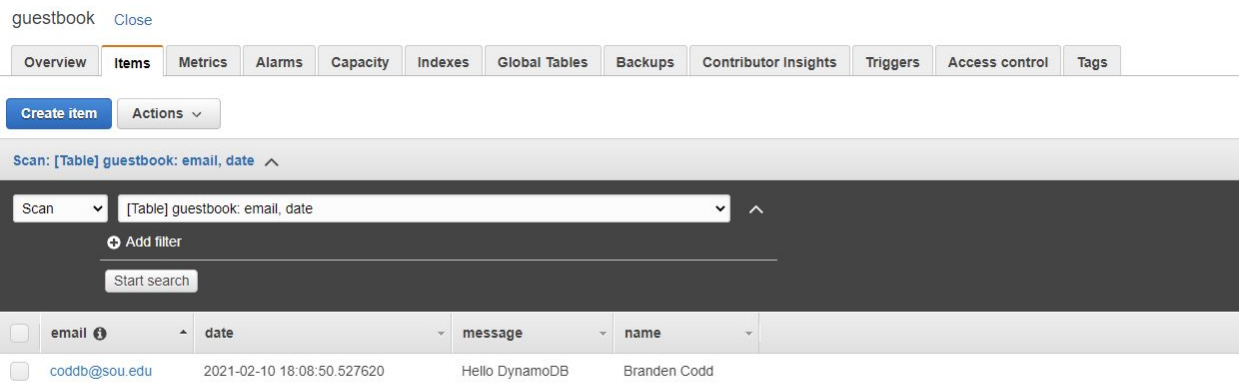
- Click on the "Items" tab and take a screenshot of the entry you have just added to your DynamoDB instance for your lab notebook.
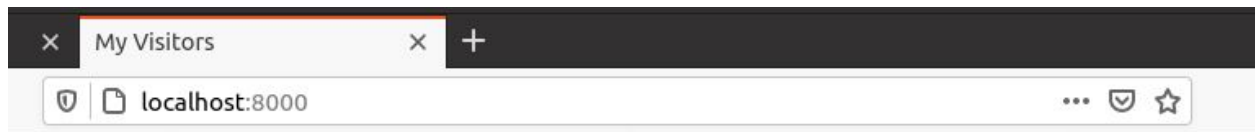

6. Version 2: Ubuntu VM Docker
- No screenshots or observations

7. Run the application
- take a screenshot of the output for your lab notebook.

8. Push the container image

- View the container image on DockerHub.
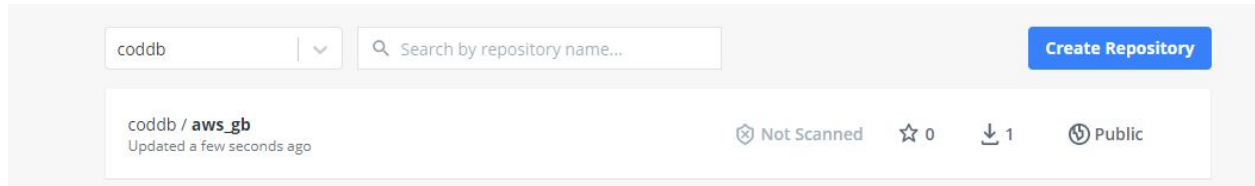
9. Version 3: AWS Cloud9 IDE

10. Configure the Security Group
- No screenshots or observations

11. Run the application

- Take a screenshot as before that shows your entry and the IP address in the URL bar.

Guestbook

Sign here

Entries

Branden Codd <coddb@sou.edu>
signed on 2021-02-10 18:08:50.527620
Hello DynamoDB

Branden Codd <coddb@sou.edu>
signed on 2021-02-11 02:18:14.824012
Hello Docker DynamoDB

Branden r codd <coddb@sou.edu>
signed on 2021-02-11 02:35:23.289432
Hello Cloud9!"

- Find the DynamoDB service in the AWS Management Console. Select tables in the left navigation and click on the guestbook table.

email ⓘ	▲	date	▼	message	▼	name	▼
coddb@sou.edu		2021-02-10 18:08:50.527620		Hello DynamoDB		Branden Codd	
coddb@sou.edu		2021-02-11 02:18:14.824012		Hello Docker DynamoDB		Branden Codd	
coddb@sou.edu		2021-02-11 02:35:23.289432		Hello Cloud9!"		Branden r codd	

12. Version 4: AWS EC2
- No screenshots or observations

13. Launch the instance

	Name	▽	Instance ID	Instance state	▽	Instance type	▽	Status check
☐	–		i-0605760f0130b61c0	⊘ Running ⊕⊖		t2.micro		–

14. Set up the instance
- No screenshots or observations

15. Visit the application

Guestbook

Sign here

Entries

Branden Codd <coddb@sou.edu>
signed on 2021-02-10 18:08:50.527620
Hello DynamoDB

Branden Codd <coddb@sou.edu>
signed on 2021-02-11 02:18:14.824012
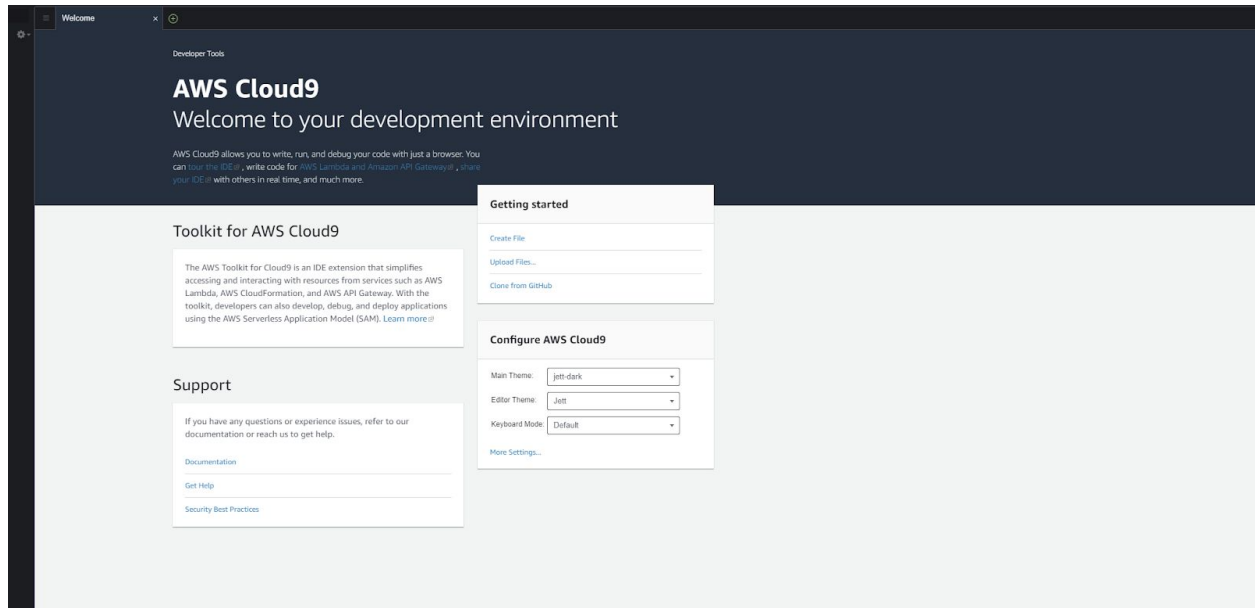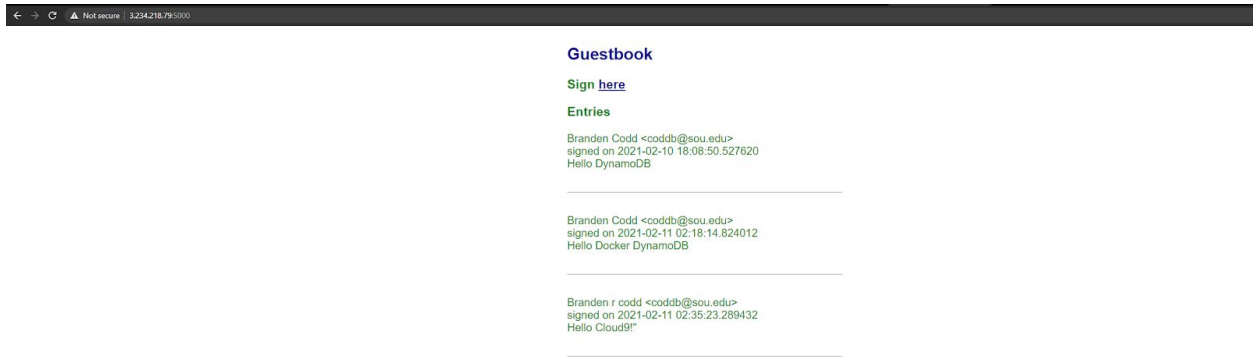Hello Docker DynamoDB

Branden r codd <coddb@sou.edu>
signed on 2021-02-11 02:35:23.289432
Hello Cloud9!"

Branden Codd <coddb@sou.edu>
signed on 2021-02-11 02:47:35.679140
Hello EC2!