AWS

Api Call Sequence

1. GET /index.html

Serves the static file from the S3 bucket. This file should have code to call the JSON API to fetch existing messages and list them. Also must provide a text box and a button to submit a new message. Use JS Fetch API for HTTP. Refer the Mockup for design .
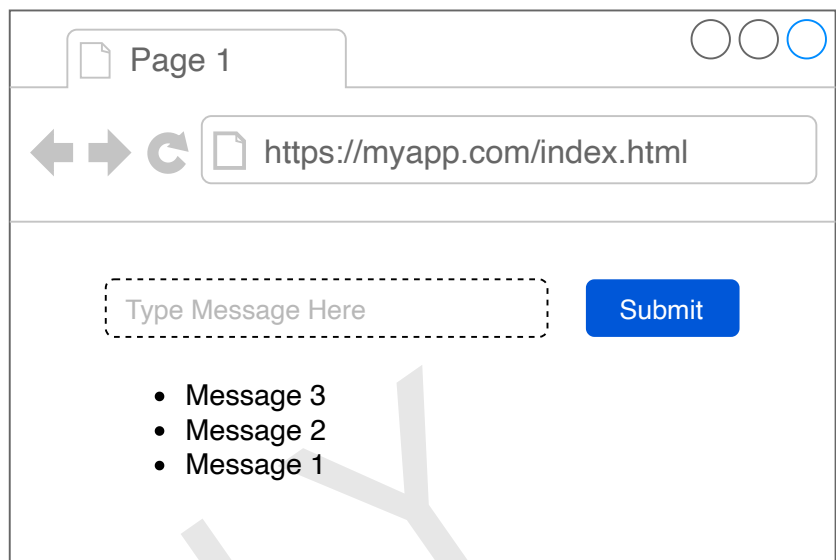
2. GET /messages

This API must return the list of messages stored in the DynamoDB table

3. POST /messages

Accepts a new message as JSON Payload and insert it into the DynamoDB table.

4. GET /messages

Same as step 2. Returns list of messages which should contain the latest message on top

Mock up

Requirements

1. Create a simple messages app using the reference architecture and mockup as show above (choose any supported langauge on Lambda) [Must have]

2. Entire stack must be deployed to AWS using terraform. [Must have]

3. We need to deploy the same stack to three envrionments (dev, test, prod). [Must have]

4. The URL to all the 3 environments must be publicly accesible. [Good to have]

5. Write integration/unit test for the API/UI [Good to have]