

# Homework 5

Team: TeaDistribution

## Repo Link:

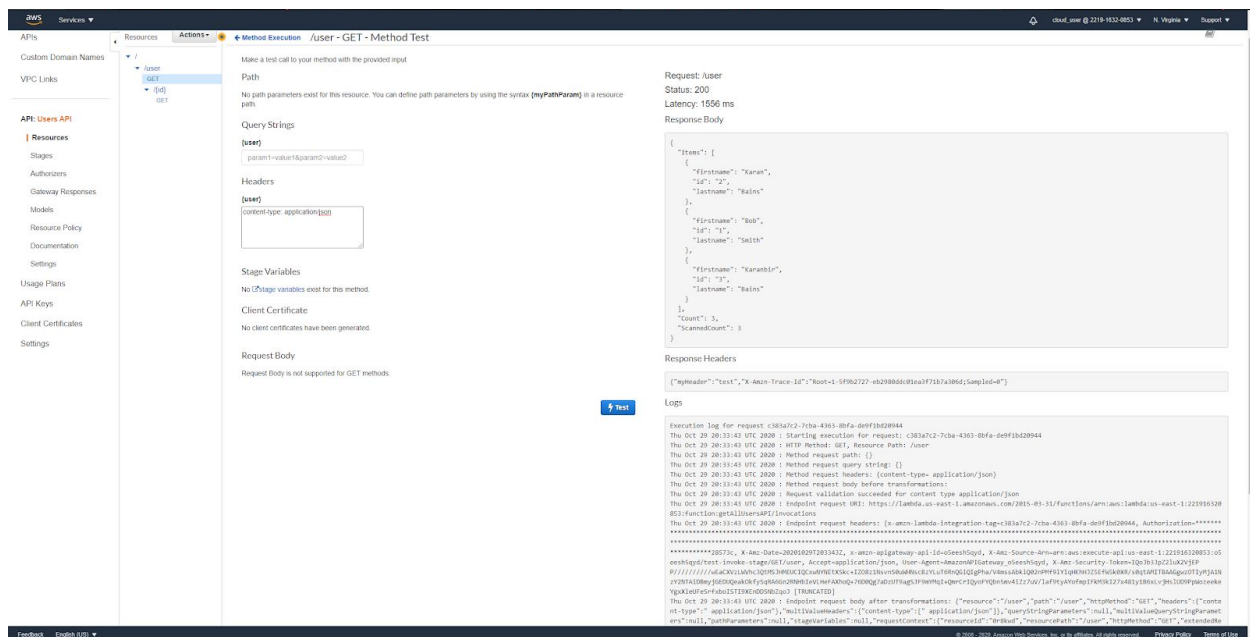
<https://github.com/gtgan/cmpe207hw/tree/master/hw3JS>

### Description:

In this Homework we create a DynamoDB table called users. This table contains 3 fields; id, firstname, and lastname. We then create Lambda functions to be able to get, put, delete, and update the users in the DynamoDB table. Then we created an APIGateway that linked each of the routes to the Lambda functions. All of this was done in AWS

## Screenshots:

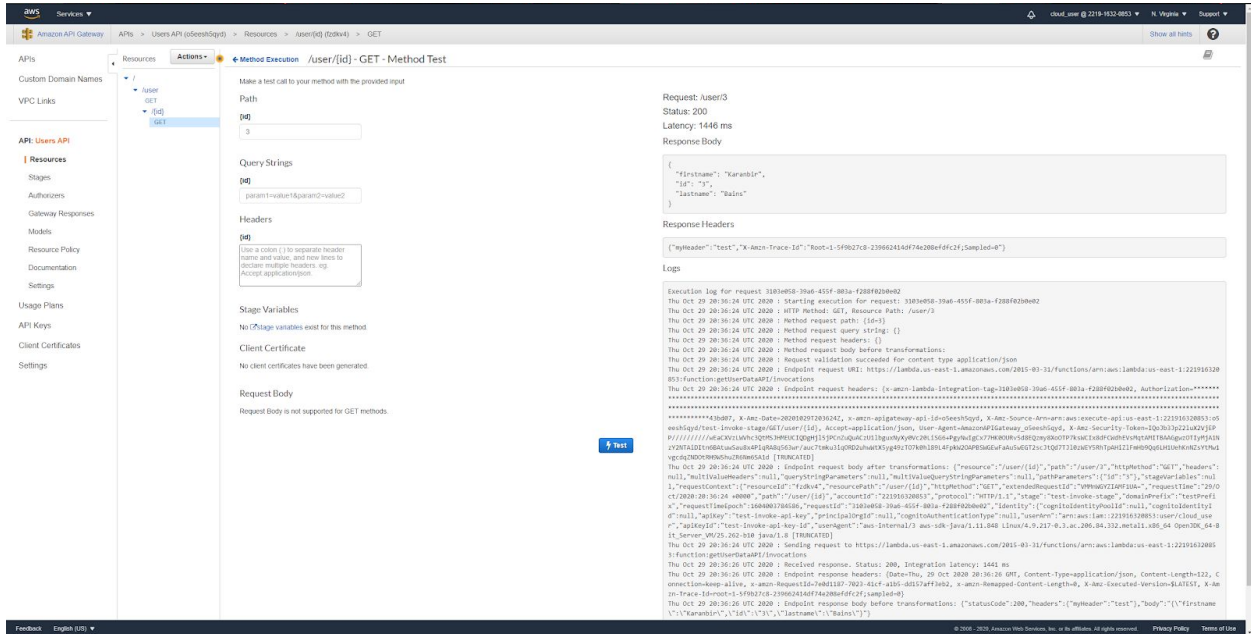
Get: This is the scan result. It is under /user



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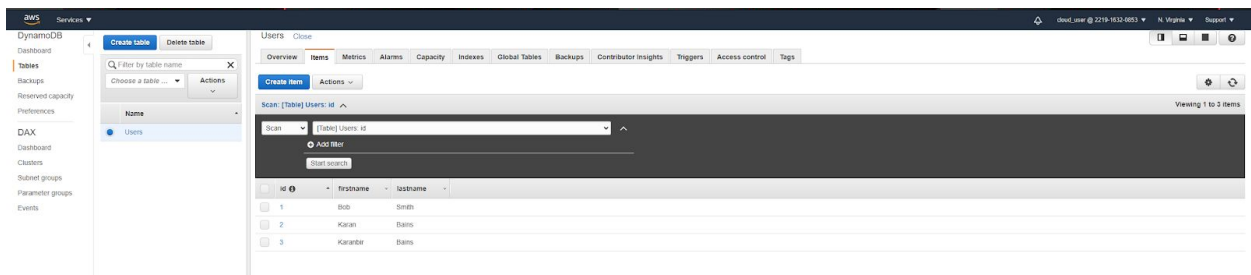
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Get: This is the get by id result. It is under user/{id} or in this case user/3



## POST: Create an item

## Before



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## Lambda Test:

The screenshot shows the AWS Lambda console for the 'user' POST method. The left sidebar contains navigation links for APIs, Resources, Stages, Authorizers, Gateway Responses, Models, Resource Policy, Documentation, Settings, Usage Plans, API Keys, Client Certificates, and Settings. The main panel displays the 'Method Execution' configuration for the 'user' POST method. The 'Path' is '/user'. The 'Query Strings' section shows a parameter 'param1' with a value of 'value2'. The 'Headers' section shows a header 'x-amzn-trace-id' with a value of 'Root=1-5f962a6c-7b674c38b179b79c54daeb5-5amp1ed-0'. The 'Request Body' section shows a JSON object: 

```
{  "id": 1,  "first": "John",  "last": "Doe",  "email": "john.doe@example.com"}
```

. The 'Response Body' section shows a JSON object: 

```
{  "id": 1,  "first": "John",  "last": "Doe",  "email": "john.doe@example.com"}
```

. The 'Logs' section shows the execution log for the request, including the request URI, request headers, request body, and the response body.

After:

The screenshot shows the AWS DynamoDB console for the 'Users' table. The left sidebar contains navigation links for Dashboard, Tables, Backups, Reserved capacity, Preferences, DAX, Dashboard, Clusters, Subnet groups, Parameter groups, and Events. The main panel displays the 'Users' table with 4 items. The table has columns for 'id', 'first', and 'last'. The items are: 

id	first	last
1	Bob	Smith
2	Karen	Barns
3	Karambe	Barns
4	Larry	David

Put: Update an Item

Before:

This screenshot is identical to the one above, showing the AWS DynamoDB console for the 'Users' table with 4 items. The table has columns for 'id', 'first', and 'last'. The items are: 

id	first	last
1	Bob	Smith
2	Karen	Barns
3	Karambe	Barns
4	Larry	David

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## Lambda Test:

The screenshot shows the AWS Lambda console for a function named 'user[id]'. The 'Method Execution' tab is selected, showing the details of a PUT request. The request path is '/user/[id]', and the request body is a JSON object with 'firstName' and 'lastName' fields. The response status is 201, and the response body is an empty object. The logs section shows the execution details, including the request URI, request headers, and the response body after transformations.

After:

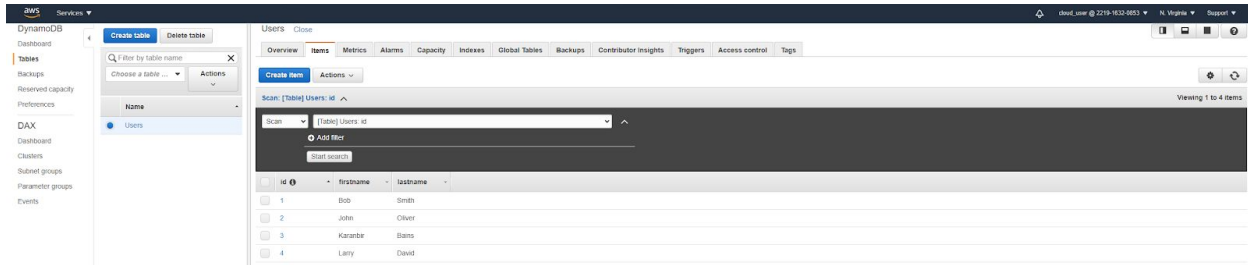
The screenshot shows the AWS DynamoDB console for a table named 'Users'. The table has four items, each with an 'id' field and 'firstName' and 'lastName' fields. The items are: 1. Bob Smith, 2. John Oliver, 3. Karambir Bains, 4. Lenny David.

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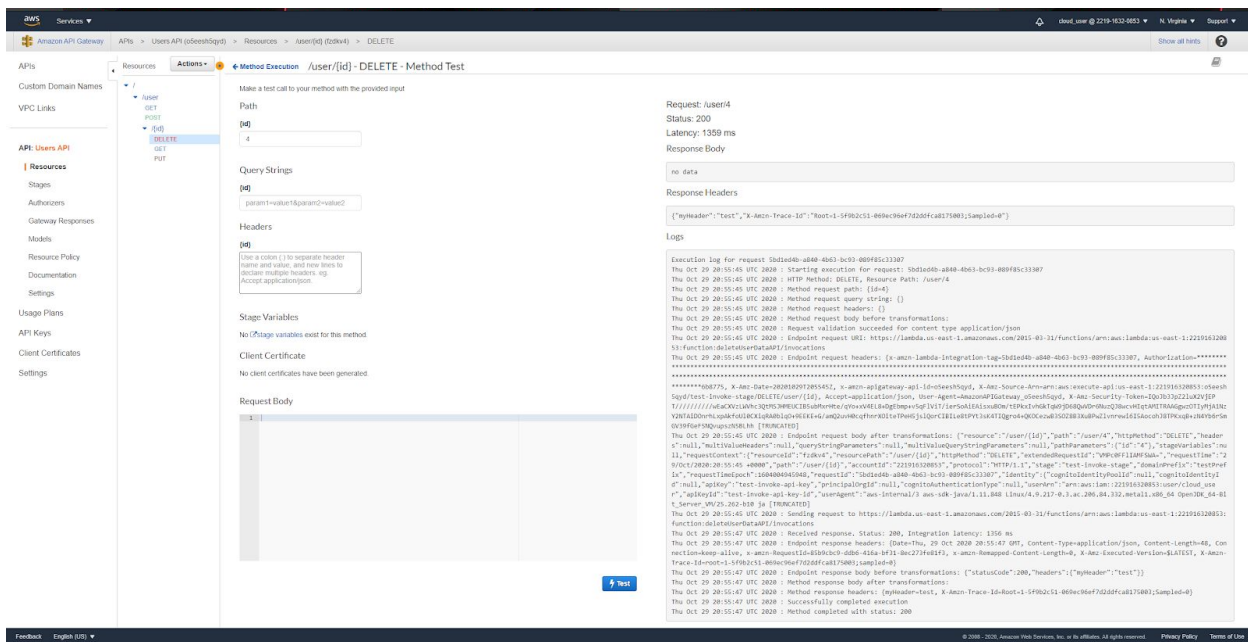
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Delete

Before:



Lambda Test:



After:

