Coates Engineering Team Coding Task

Your task is to write User API with Infrastructure-as-a-code (IaaC) stack that includes

- The application needs to be written in NodeJS 14+ using TypeScript.
- You can create one more more lambda function for each endpoint
- API Gateway to makes Lambda functions accessible over public internet
- DynamoDB table

You are free to choose your IaaC tool: Serverless Framework, Cloudformation, SAM or any other tool of your liking.

Hopefully the application will be a bit of fun to create and not considered too onerous. There is no perfect expected answer.

We expect unit tests to be completed.

We would suggest spending 2-4 hours on the task, although more or less can be spent as you feel is appropriate. If you do spend less than hour or more than 2 hours please do give us an indication how much time you spent, this is not a speed test so neither would be held against you.

Instructions

The application should have endpoints that allows following:

- to add user to DynamoDB table

```
POST /users
{
 "name":"",
 "email":"",
 "dob": ""
}
```

- allows to fetch particular user

```
GET /users/1
```

- to delete a particular user

```
DELETE /users/1
```

Please provide details as to deploy/run the application. If you use gitlab or github make sure the repo is publically available, if you prefer you can deliver code packaged as zip.

Good Luck and thank you for your time and effort.

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