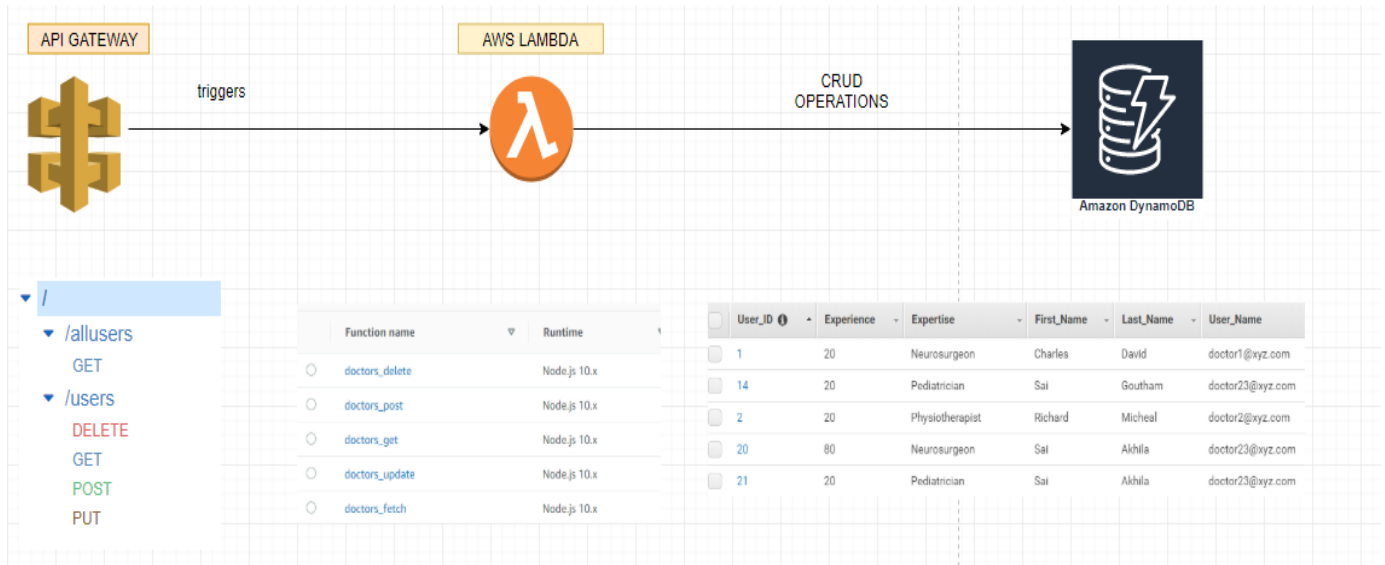


CRUD OPERATIONS USING API GATEWAY, AWS LAMBDA AND DYNAMO DB:

ARCHITECHTURE DIAGRAM:



URL:

<https://bp36ehxnea.execute-api.us-west-1.amazonaws.com/prod/users>

1)CREATE A NEW ENTRY:

POST <https://bp36ehxnea.execute-api.us-west-1.amazonaws.com/prod/users>

Params Authorization Headers (9) **Body** Pre-request Script Tests

none form-data x-www-form-urlencoded raw binary GraphQL BETA JSON (application/json)

```
1 {
2   "body": {
3     "Experience": "50",
4     "Expertise": "Neurosurgeon",
5     "First_Name": "Charles",
6     "Last_Name": "David",
7     "User_ID": "10",
8     "User_Name": "doctor8@xyz.com"
9   }
10 }
```

Body Cookies Headers (7) Test Results Status: 200 OK Time: 1313ms

Pretty Raw Preview JSON

1 "Successfully Added"

2)GET AN ENTRY:

The screenshot shows a REST client interface with a GET request to `https://bp36ehxnea.execute-api.us-west-1.amazonaws.com/prod/users`. The request body is a JSON object: `{ "body": { "User_ID": "10" } }`. The response status is 200 OK, with a time of 488ms and a size of 435 B. The response body is displayed in a pretty-printed JSON format: `{ "Item": { "User_Name": "doctor8@xyz.com", "Expertise": "Neurosurgeon", "Last_Name": "David", "User_ID": "10", "First_Name": "Charles", "Experience": "50" } }`.

```
GET https://bp36ehxnea.execute-api.us-west-1.amazonaws.com/prod/users
```

Params Authorization Headers (9) **Body** Pre-request Script Tests Cookies Code Cor

none form-data x-www-form-urlencoded raw binary GraphQL BETA JSON (application/json)

```
1 {
2   "body": {
3     "User_ID": "10"
4   }
5 }
```

Body Cookies Headers (7) Test Results Status: 200 OK Time: 488ms Size: 435 B Save Res

Pretty Raw Preview JSON

```
1 {
2   "Item": {
3     "User_Name": "doctor8@xyz.com",
4     "Expertise": "Neurosurgeon",
5     "Last_Name": "David",
6     "User_ID": "10",
7     "First_Name": "Charles",
8     "Experience": "50"
9   }
10 }
```

3)UPDATE EXPERIENCE & EXPERTISE OF A PARTICULAR USER:

The screenshot shows a REST client interface with a PUT request to `https://bp36ehxnea.execute-api.us-west-1.amazonaws.com/prod/users`. The request body is a JSON object: `{ "body": { "User_ID": "10", "Expertise": "Dentist", "Experience": "80" } }`. The response status is 200 OK, with a time of 1327ms and a size of 313 B. The response body is displayed in a pretty-printed JSON format: `{ "Successfully Updated" }`.

```
PUT https://bp36ehxnea.execute-api.us-west-1.amazonaws.com/prod/users
```

Params Authorization Headers (9) **Body** Pre-request Script Tests Cookies Code

none form-data x-www-form-urlencoded raw binary GraphQL BETA JSON (application/json)

```
1 {
2   "body": {
3     "User_ID": "10",
4     "Expertise": "Dentist",
5     "Experience": "80"
6   }
7 }
```

Body Cookies Headers (7) Test Results Status: 200 OK Time: 1327ms Size: 313 B Save

Pretty Raw Preview JSON

```
1 "Successfully Updated"
```

4)DELETE AN ENTRY:


DELETE ▼ <https://bp36ehxnea.execute-api.us-west-1.amazonaws.com/prod/users> Send ▼

Params Authorization Headers (9) **Body** Pre-request Script Tests Cookies Code

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL ^{BETA} ☒ JSON (application/json) ▼

```
1 {
2   "body": {
3     "User_ID": "10"
4   }
5 }
```

Body Cookies Headers (7) Test Results Status: 200 OK Time: 1532ms Size: 314 B Sav

Pretty Raw Preview JSON ▼ 


```
1 "Deleted Successfully!"
```

5)GET ALL ENTRIES:


URL: <https://bp36ehxnea.execute-api.us-west-1.amazonaws.com/prod/allusers>

GET ▼ <https://bp36ehxnea.execute-api.us-west-1.amazonaws.com/prod/allusers> Send ▼

ody Cookies Headers (7) Test Results Status: 200 OK Time: 1370ms Size: 1002 B Save

Pretty Raw Preview JSON ▼ 

```
8   "first_name": "Richard",
9   "Experience": "20"
10 },
11 {
12   "Expertise": "Pediatrician",
13   "User_Name": "doctor23@xyz.com",
14   "Last_Name": "Jerry",
15   "User_ID": "9",
16   "First_Name": "Gao",
17   "Experience": "190"
18 },
19 {
20   "User_Name": "doctor1@xyz.com",
21   "Expertise": "Neurosurgeon",
22   "Last_Name": "David",
23   "User_ID": "1",
24   "First_Name": "Charles",
25   "Experience": "20"
26 },
```

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