

Assignment 3 – Serverless Web Application

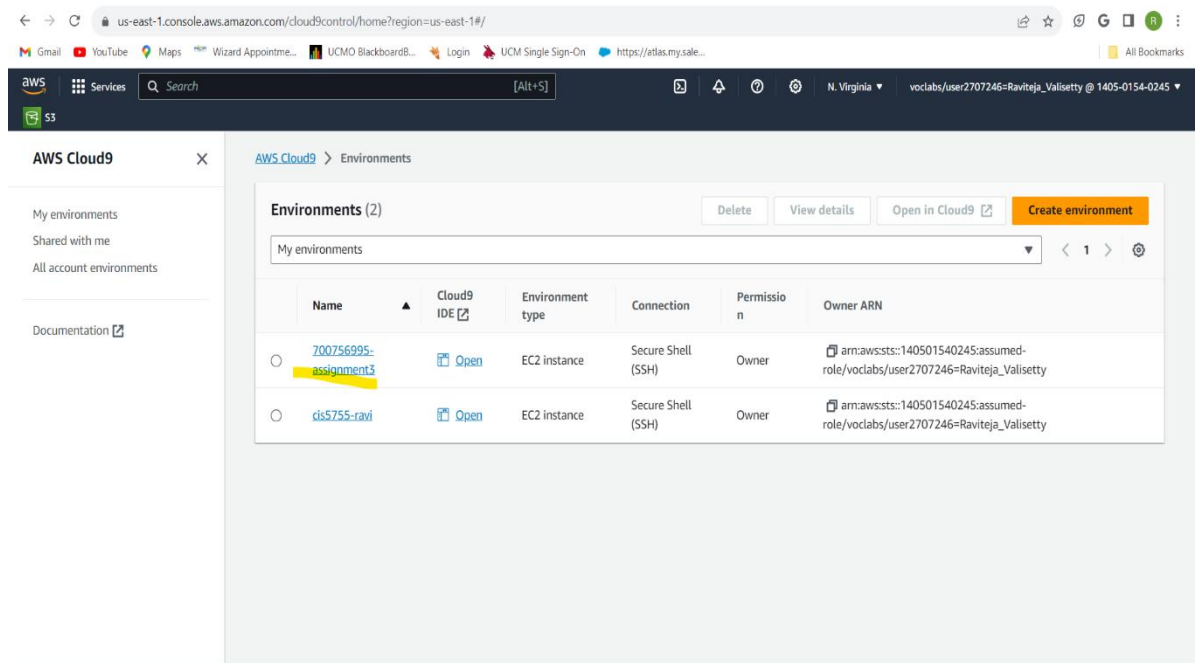
Raviteja Valisetty

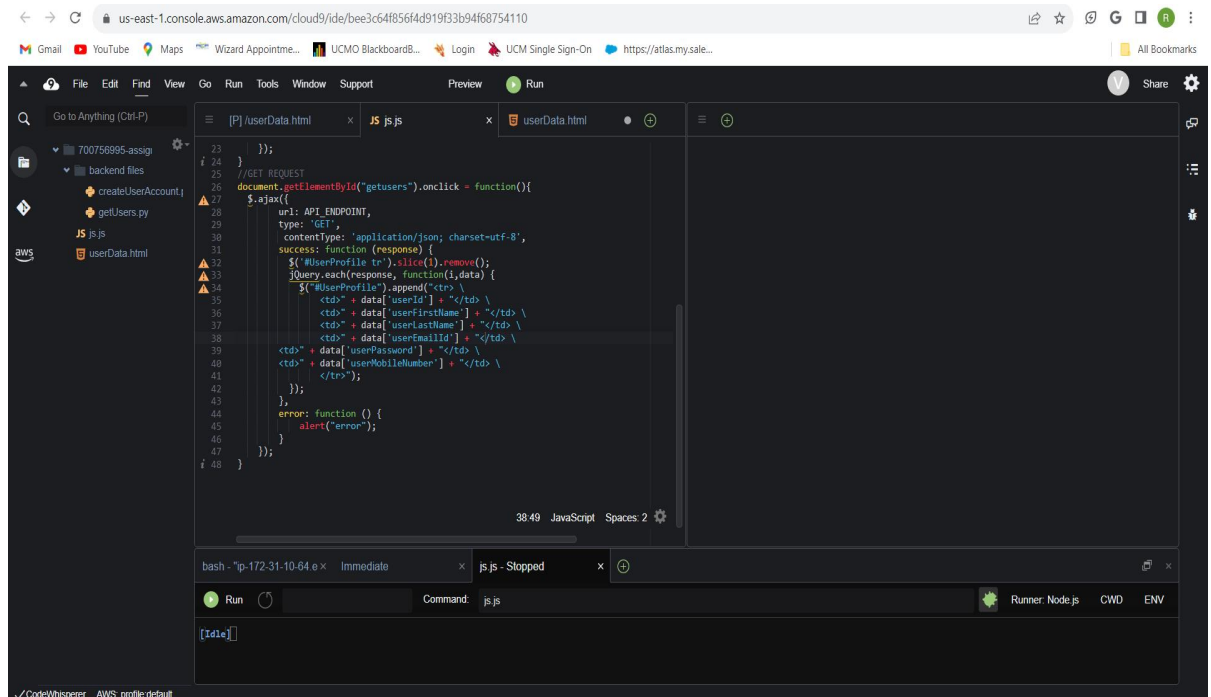
700756995

GitHub Project link: <https://github.com/RaviV9931/Serverless-Web-Application-700756995>

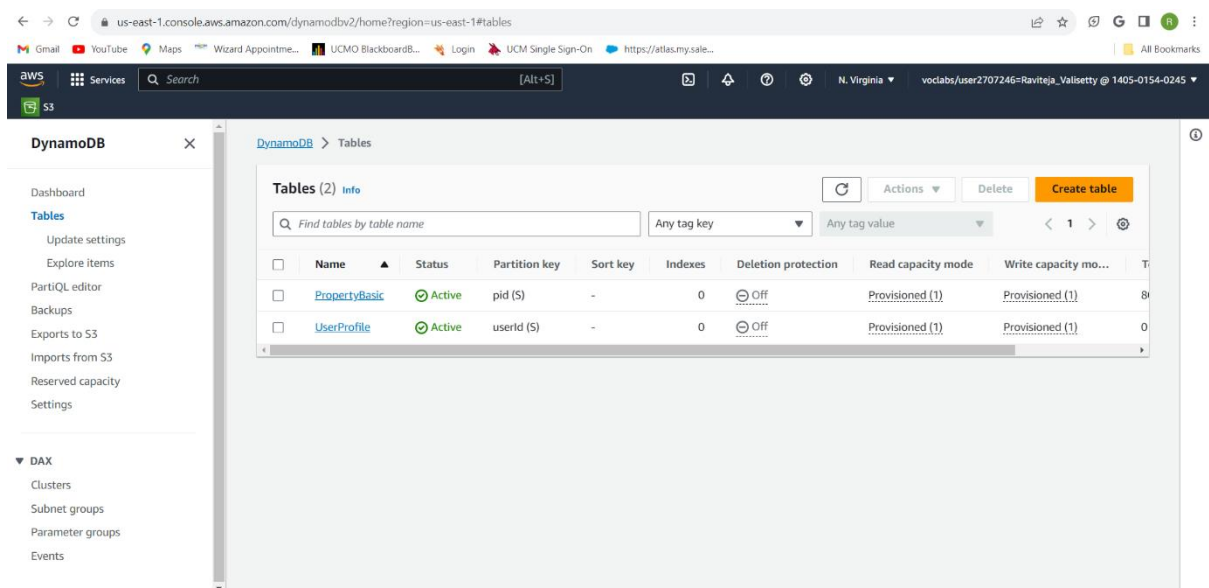
Steps:

1. Uploaded backed and frontend files into Cloud 9.

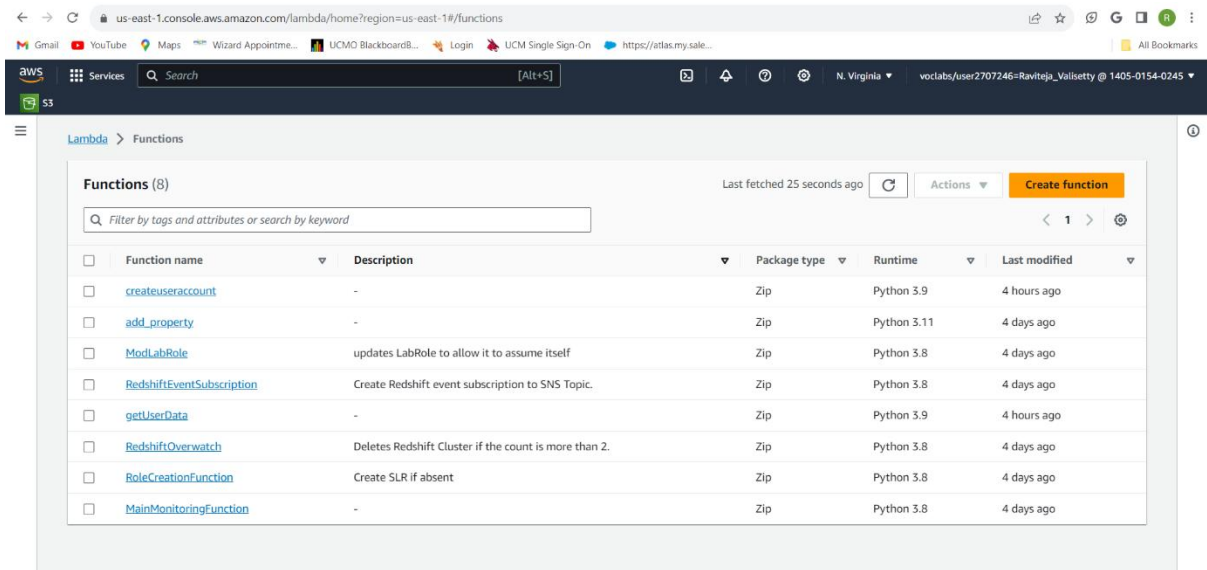




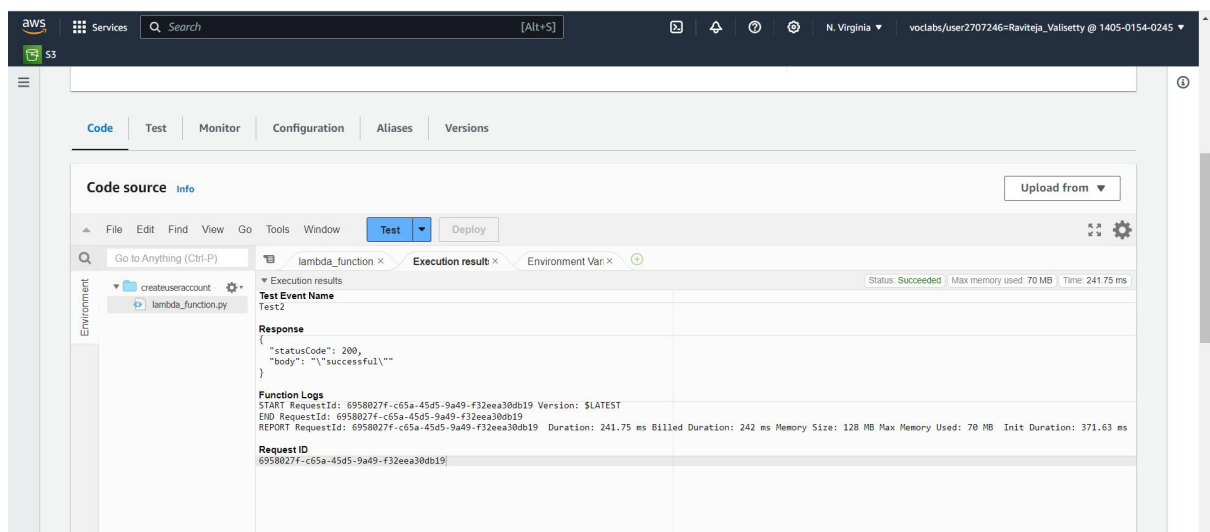
2. Created new DynamoDB table.

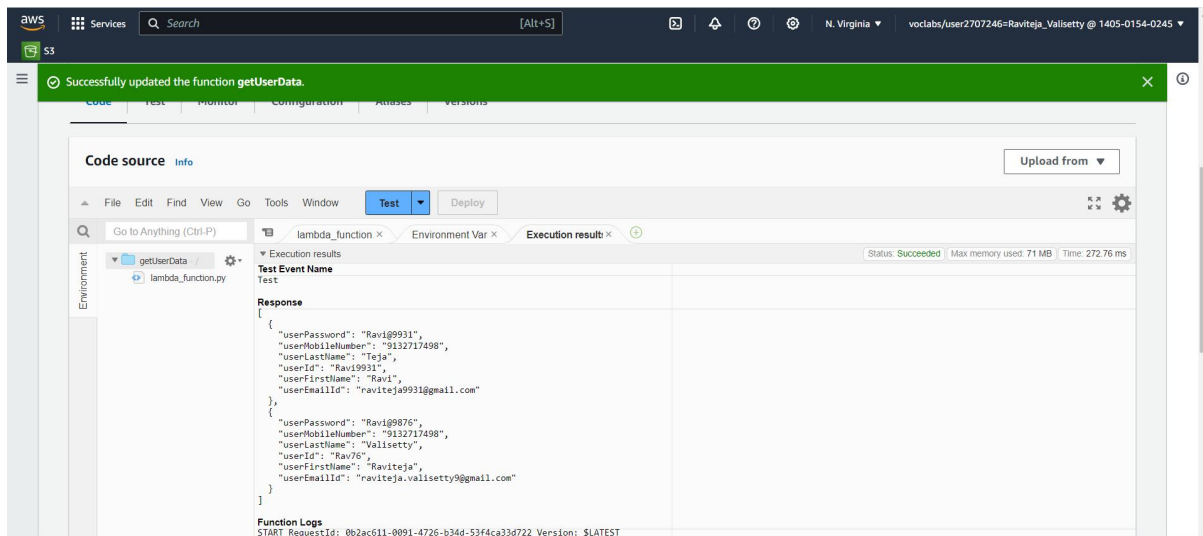


3. Created two lambda functions: createuseraccount and getusers.

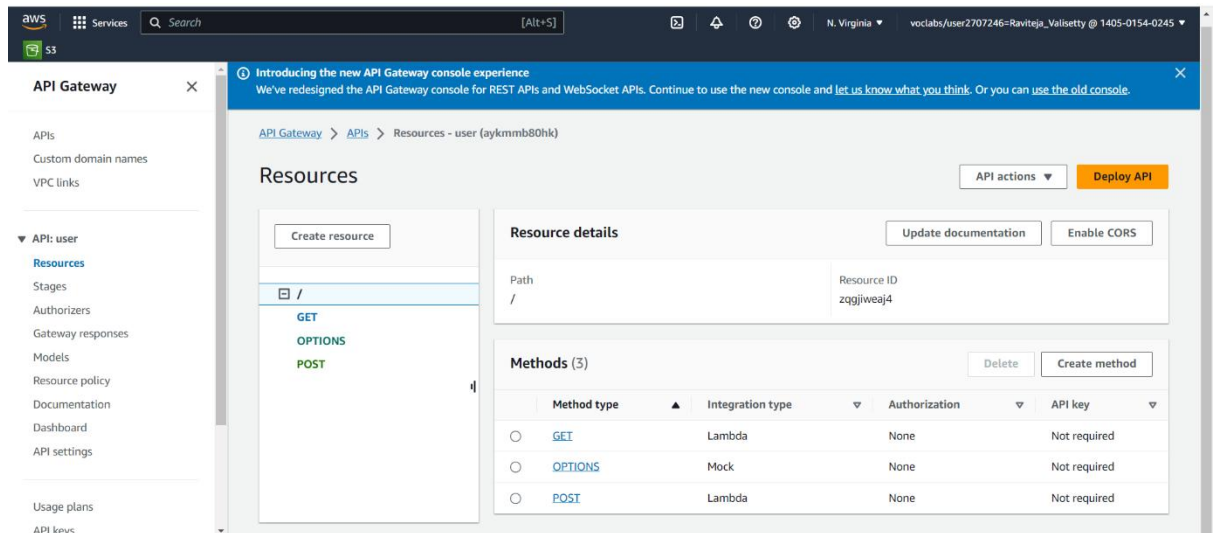


4. Tested both lambda functions with sample data.



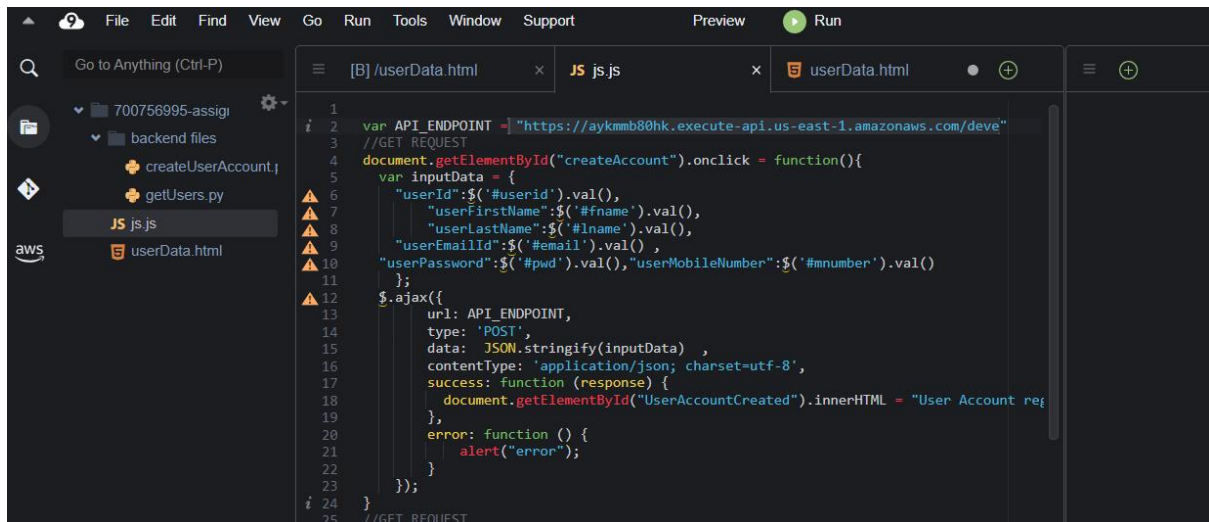


5. Create new REST API gateway and create new methods: POST and GET.



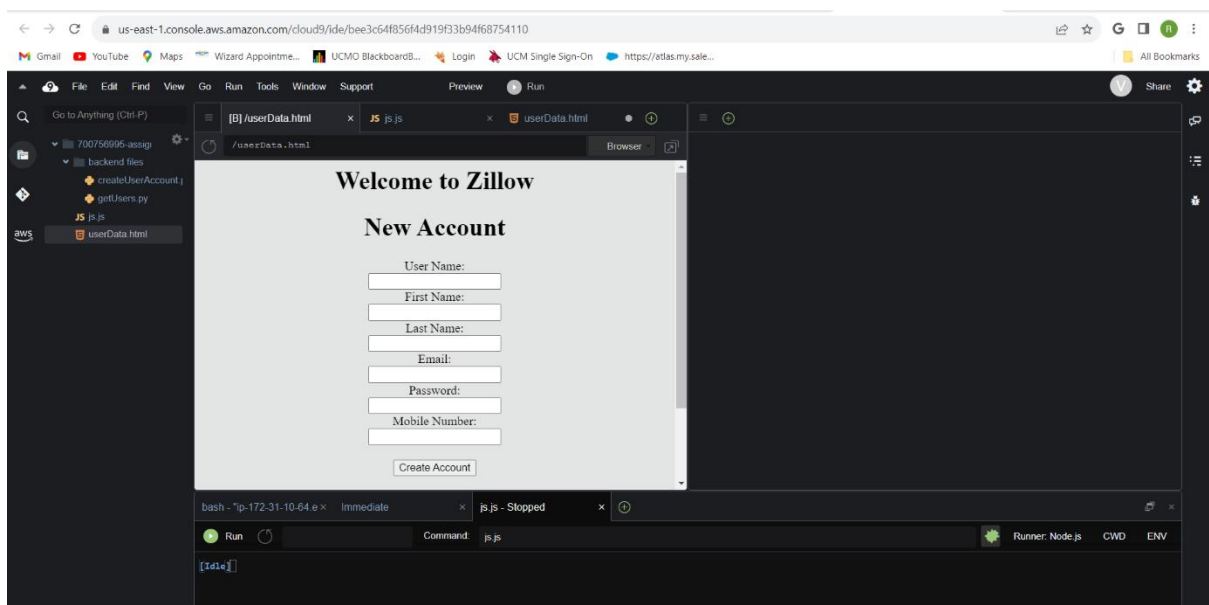
6. Enabled CORS and deployed the API with new stage.

7. Copied the stage invoke URL and pasted in js file.



```
1 var API_ENDPOINT = "https://aykmb80hk.execute-api.us-east-1.amazonaws.com/deve"
2 //GET REQUEST
3
4 document.getElementById("createAccount").onclick = function(){
5     var inputData = {
6         "userId":$('#userId').val(),
7         "userFirstName":$('#fname').val(),
8         "userLastName":$('#lname').val(),
9         "userEmailId":$('#email').val(),
10        "userPassword":$('#pwd').val(), "userMobileNumber":$('#mnumber').val()
11    };
12    $.ajax({
13        url: API_ENDPOINT,
14        type: 'POST',
15        data: JSON.stringify(inputData),
16        contentType: 'application/json; charset=utf-8',
17        success: function (response) {
18            document.getElementById("User Account Created").innerHTML = "User Account reg
19        },
20        error: function () {
21            alert("error");
22        }
23    });
24 }
25 //GET REQUEST
```

8. Tested the serverless web application by inserting data.



Welcome to Zillow

New Account

User Name:
Ravi993100

First Name:
Dharma Sai Teja

Last Name:
Ram Shnkar

Email:
sss78@gmail.com

Password:
sss@9931

Mobile Number:
9132876556

Create Account

User Account registered successfully!

View all User profiles

User Name	First Name	Last Name	Email	Password	Mobile Number
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9. After inserting data, Able to see inserted data in DynamoDB tables.

aws Services Search [Alt+S] N. Virginia voclabs/user2707246=Raviteja_Valisetty @ 1405-0154-0245

DynamoDB

Dashboard
Tables
Update settings
Explore items
 PartiQL editor
Backups
Exports to S3
Imports from S3
Reserved capacity
Settings

▼ DAX
Clusters
Subnet groups
Parameter groups
Events

DynamoDB > Explore items > UserProfile

Autopreview View table details

► Scan or query items
Expand to query or scan items.

✓ Completed. Read capacity units consumed: 0.5

Items returned (3)

	userId (String)	userEmailId	userFirstName	userLastName	userMobileNumber	userPassword
<input type="checkbox"/>	Ravi993100	sss78@gmail....	Dharma Sai Teja	Ram Shnkar	9132876556	sss@9931
<input type="checkbox"/>	Ravi9931	raviteja9931...	Ravi	Teja	9132717498	Ravi@9931
<input type="checkbox"/>	Rav76	raviteja.valise...	Raviteja	Valisetty	9132717498	Ravi@9876

10. And after clicking on getusers button, able to retrieve userdata present in dynamodb table.

Welcome to Zillow

New Account

User Name:

First Name:

Last Name:

Email:

Password:

Mobile Number:

User Account registered successfully!

User Name	First Name	Last Name	Email	Password	Mobile Number
Ravi993100	Dharma Sai Teja	Ram Shinkar	sss78@gmail.com	sss@9931	9132876556
Ravi9931	Ravi	Teja	raviteja9931@gmail.com	Ravi@9931	9132717498
Rav76	Raviteja	Valisetty	raviteja.valisetty9@gmail.com	Ravi@9876	9132717498