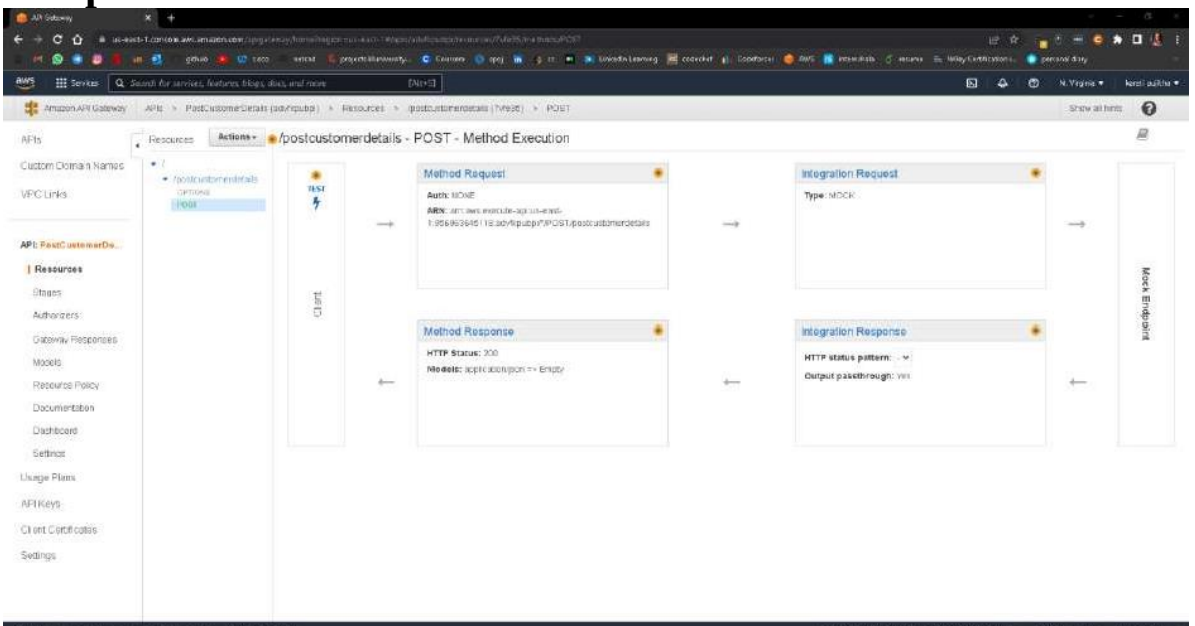
TS-SDP4 PROJECT-3

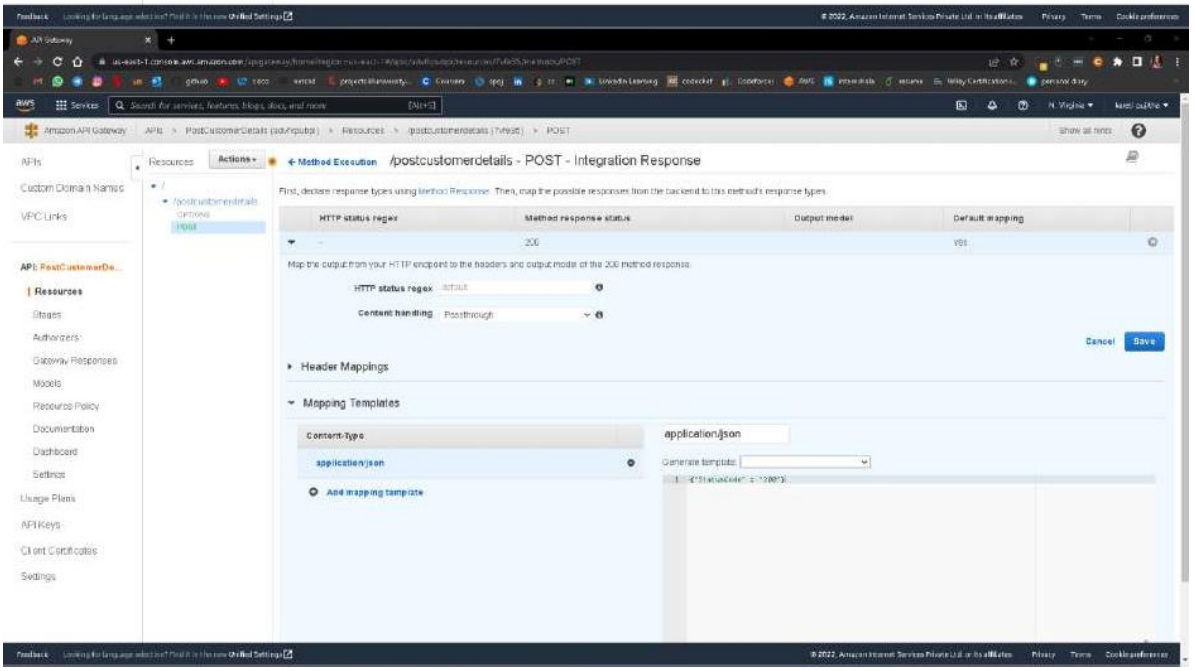
190030746

k.pujitha

Design a Project on Database for a Mobile Application with Amazon DynamoDB

Implementation:





application/json
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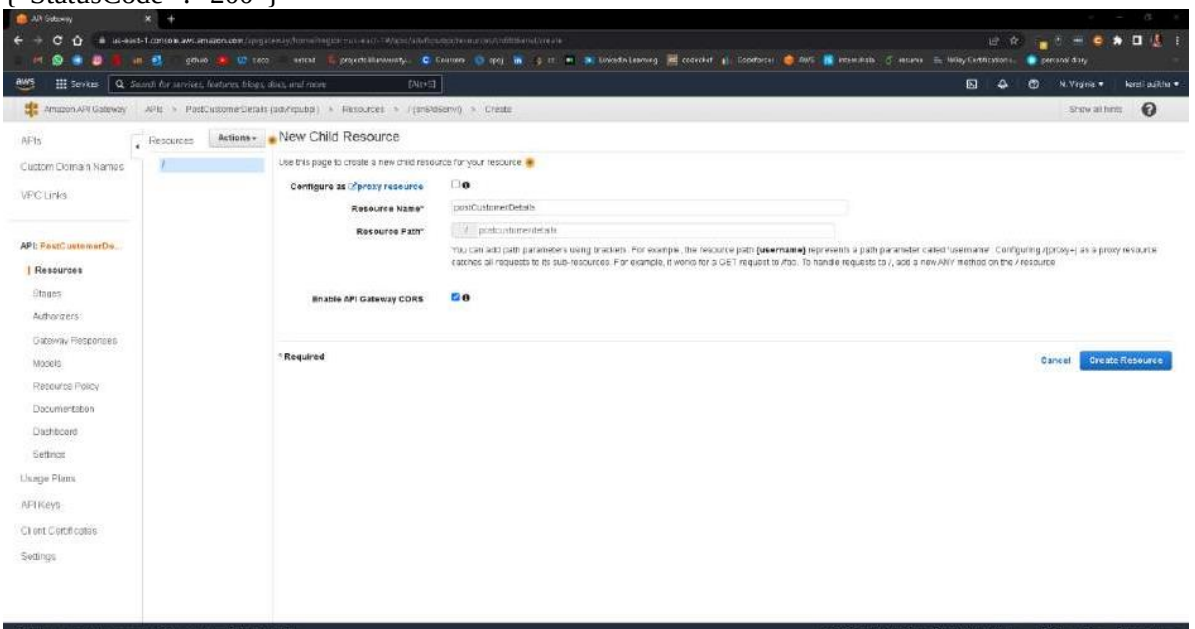
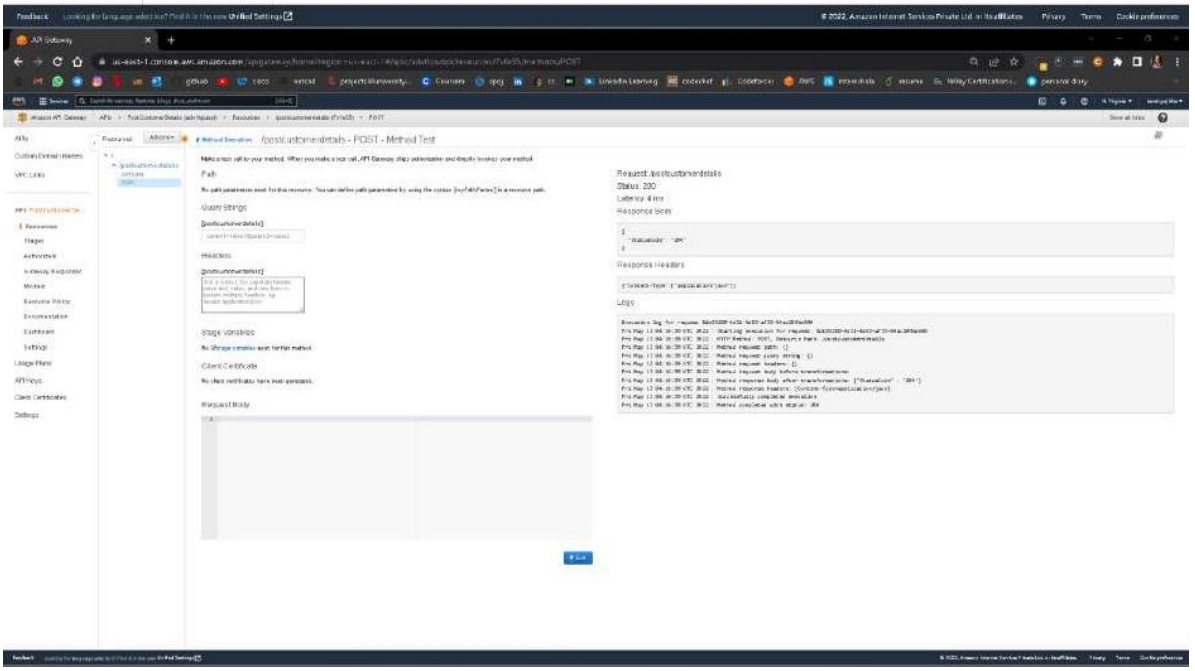
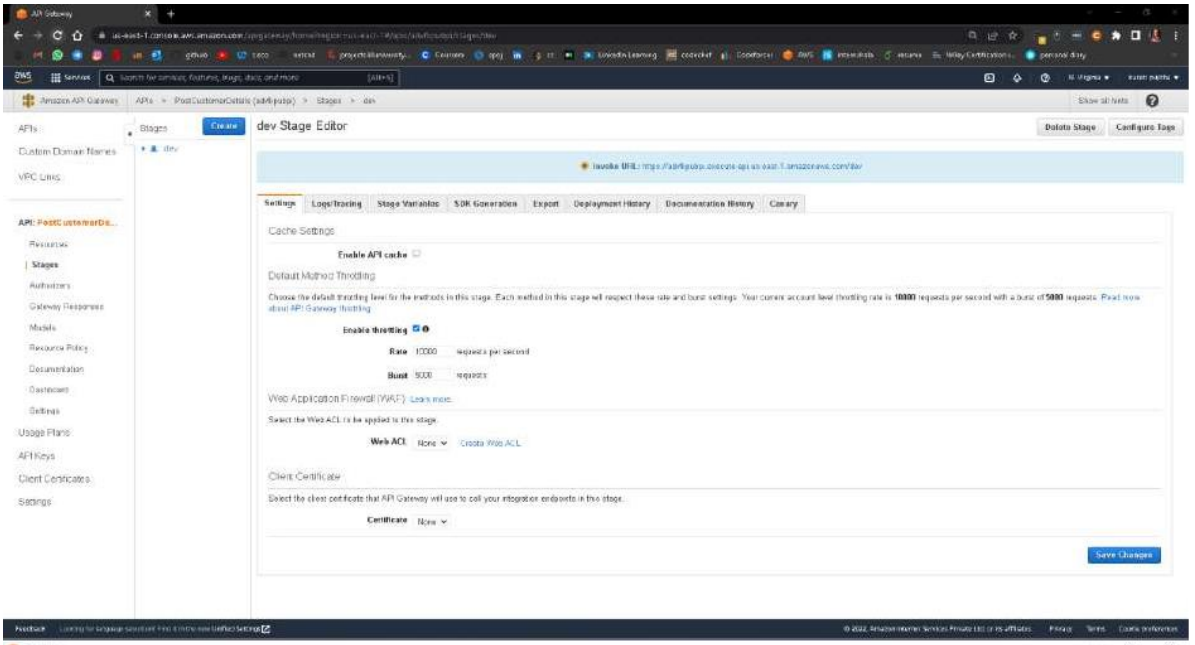
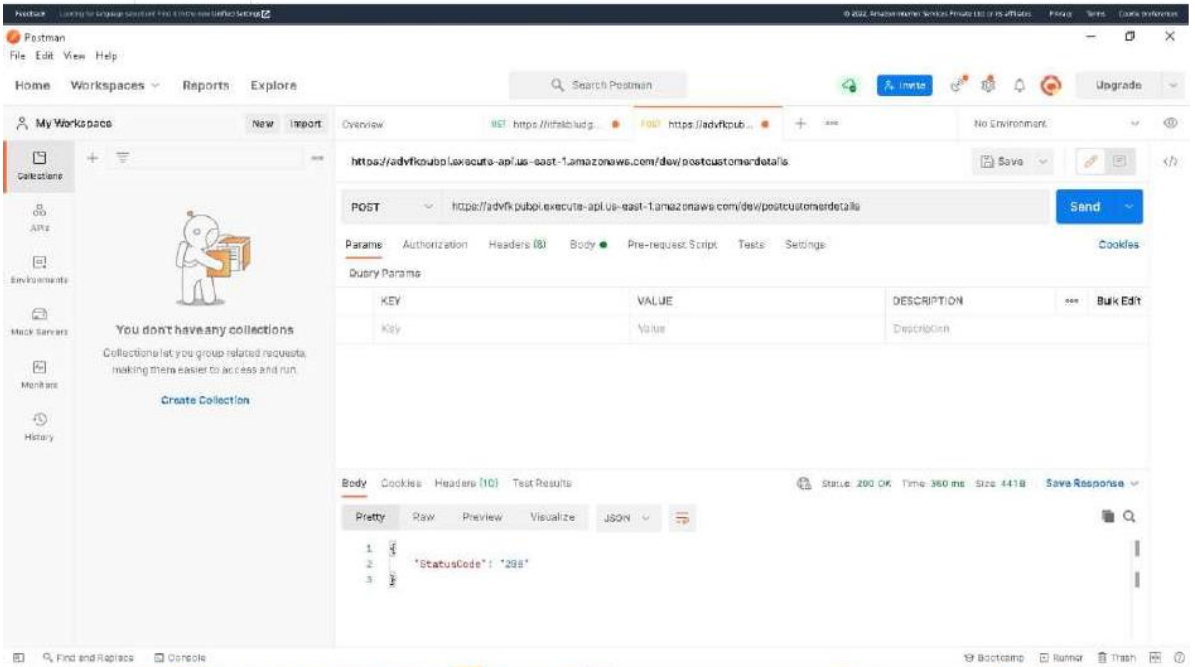
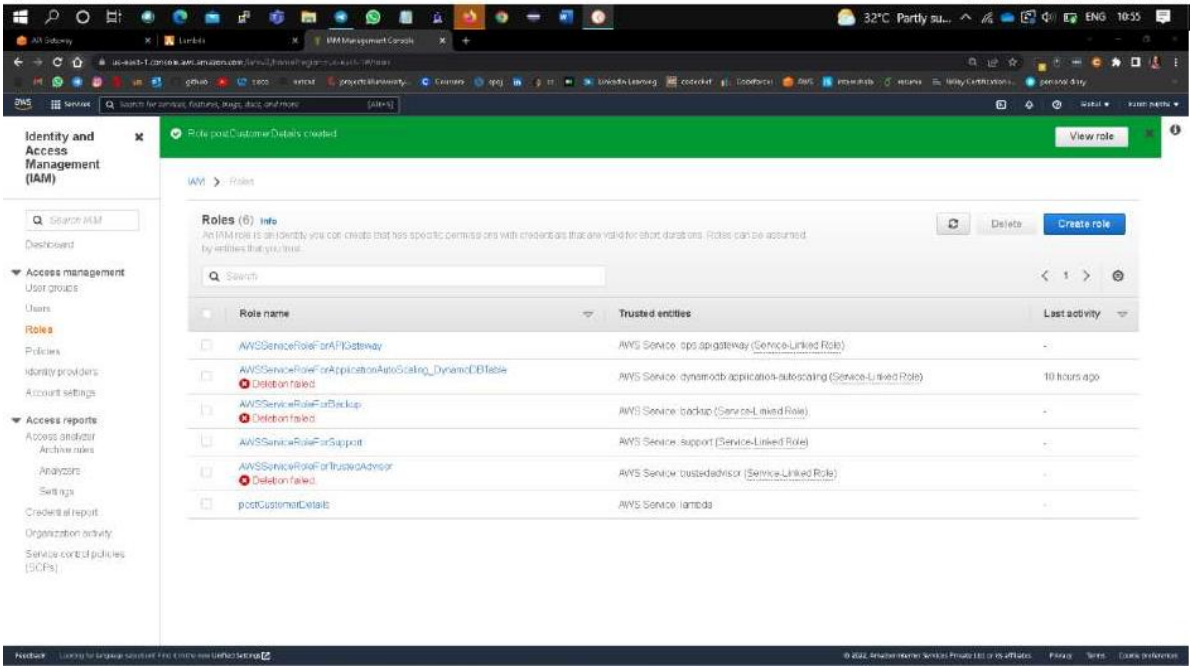
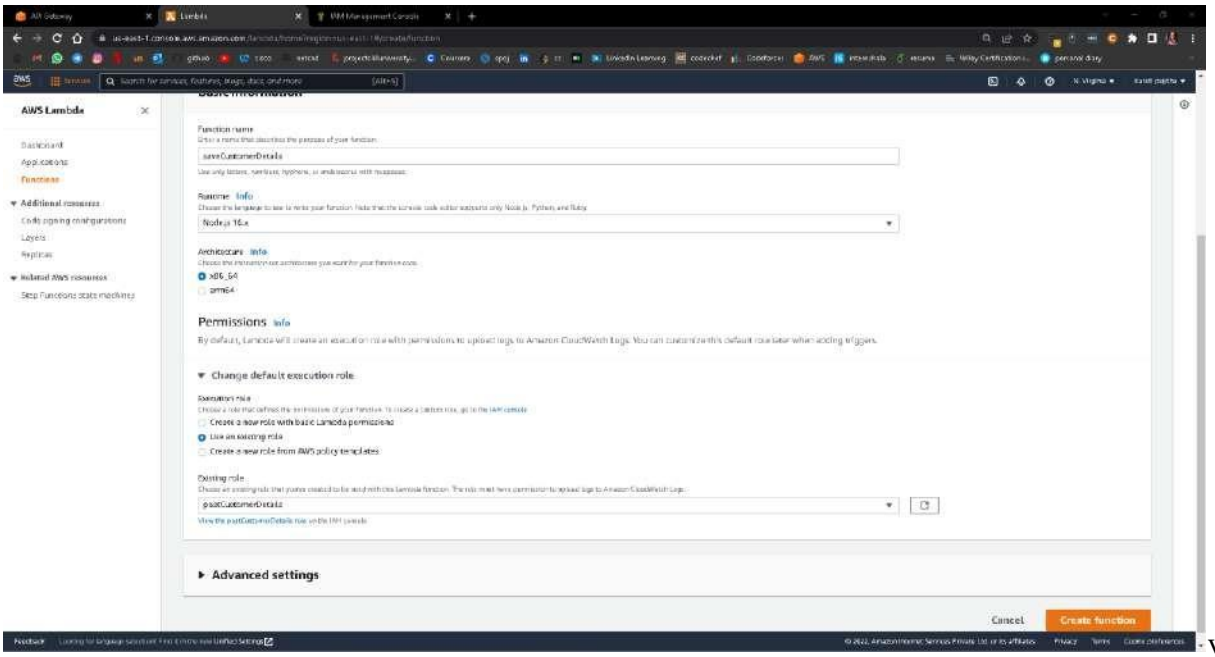




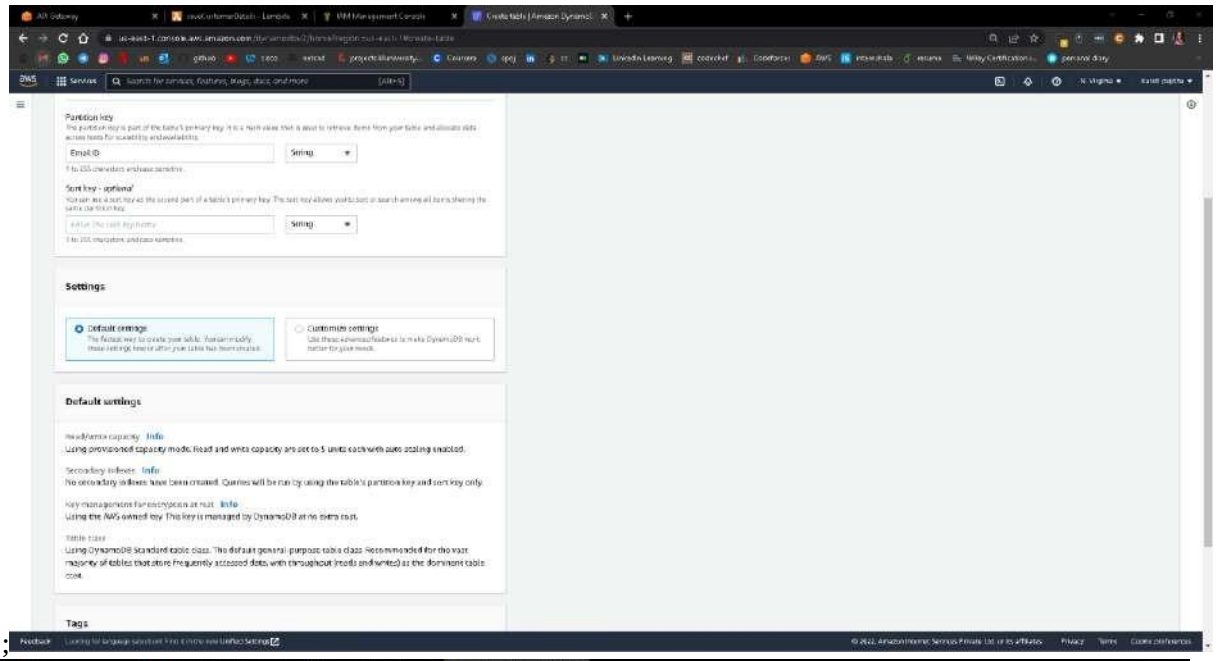

dev Stage Editor
Create
Delete Stage
Configure Tags
Settings
Logs/tracing
Stage Variables
SDK Generation
Export
Deployment History
Documentation History
Canary
Cache Settings
Enable API cache
Default Method Throttling
Enable throttling
Rate
Burst
Web Application Firewall (WAF)
Web ACL
Client Certificate
Certificate
Save Changes


Postman
File Edit View Help
Home
Workspaces
Reports
Explore
Search Postman
Invite
Upgrade
My Workspace
New
Import
Collections
APIs
Environments
Mock Servers
Monitors
History
You don't have any collections
Collections let you group related requests, making them easier to access and run.
Create Collection
Overview
No Environment
https://advfkpubpl.execute-api.us-east-1.amazonaws.com/dev/postcustomerdetails
Save
POST
Send
Params
Authorization
Headers (8)
Body
Pre-request Script
Tests
Settings
Cookies
Query Params
KEY
VALUE
DESCRIPTION
Bulk Edit
Body
Cookies
Headers (10)
Test Results
Status: 200 OK
Time: 360 ms
Size: 441 B
Save Response
Pretty
Raw
Preview
Visualize
JSON
{
"StatusCode": "200"
}
Find and Replace
Console
Bootcamp
Runner
Trash

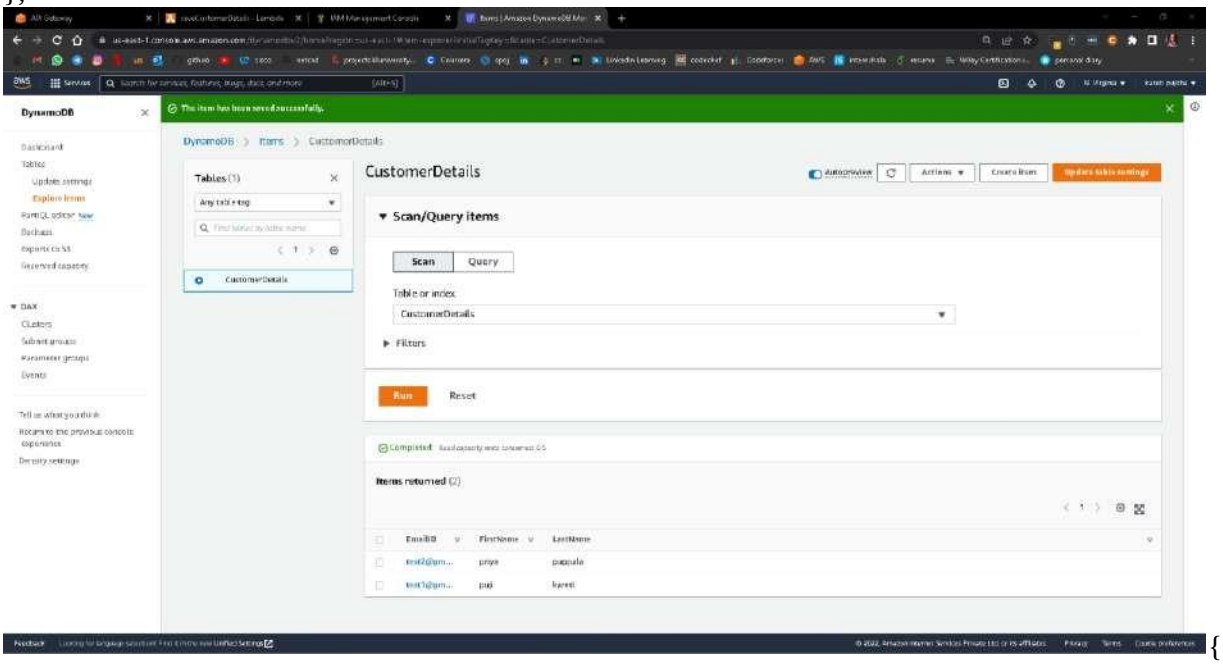

32°C Partly su...
ENG
10:55
Identity and Access Management (IAM)
Role postCustomerDetails created
View role
IAM > Roles
Roles (6) Info
An IAM role is an identity you can create that has specific permissions with credentials that are valid for short durations. Roles can be assumed by entities that you trust.
Delete
Create role
Dashboard
Access management
User groups
Users
Roles
Policies
Identity providers
Account settings
Access reports
Access analyzer
Archive rules
Analyzers
Settings
Credential report
Organization activity
Service control policies (SCPs)
Role name
Trusted entities
Last activity
AWSServiceRoleForAPIGateway
AWS Service: ops.apigateway (Service-Linked Role)
AWSServiceRoleForApplicationAutoScaling_DynamoDBTable
Deletion failed
AWS Service: dynamodb.application-autoscaling (Service-Linked Role)
10 hours ago
AWSServiceRoleForBackup
Deletion failed
AWS Service: backup (Service-Linked Role)
AWSServiceRoleForSupport
AWS Service: support (Service-Linked Role)
AWSServiceRoleForTrustedAdvisor
Deletion failed
AWS Service: trustedadvisor (Service-Linked Role)
postCustomerDetails
AWS Service: lambda



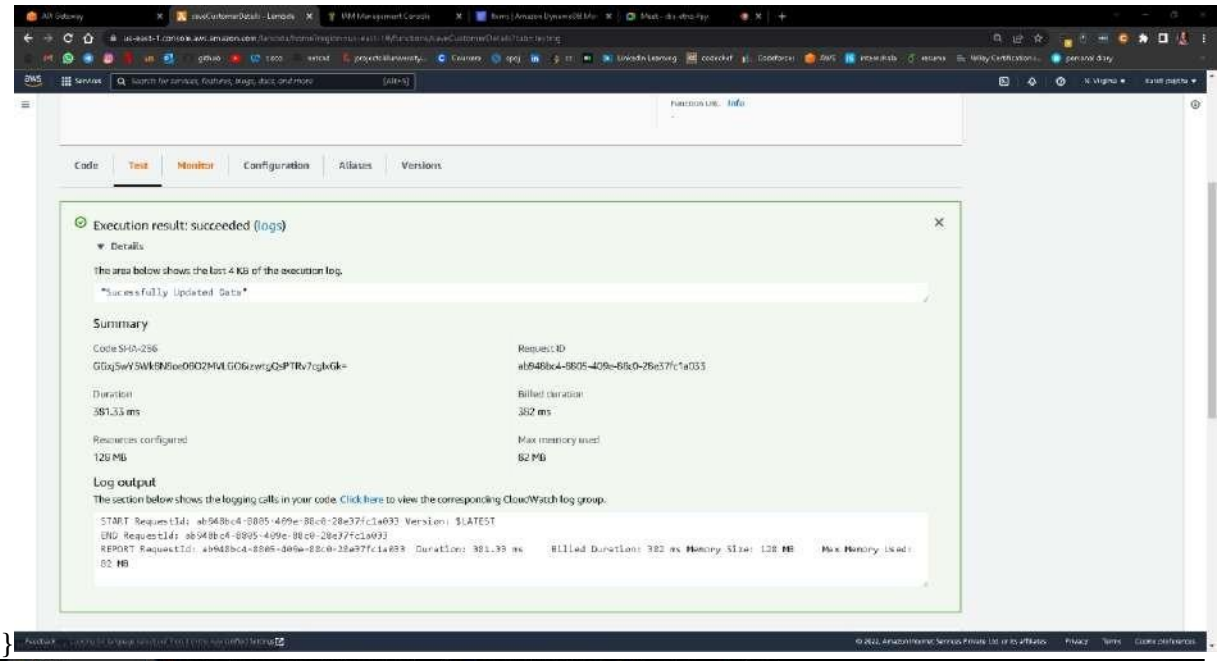

```
var AWS = require("aws-sdk");

var docClient = new AWS.DynamoDB.DocumentClient();
exports.handler =(event, context, callback)=> {
  var tableName = "CustomerDetails";
  var params = {
      TableName : tableName,
      Item : {
          "EmailID" :event.EmailID,
          "FirstName" :event.FirstName,
          "LastName" : event.LastName
       }
   };
   docClient.put(params, function(err, data){
       if(err){
           callback(err)
         }else{

            callback(null,"Sucessfully Updated Data")
         }
     })
```



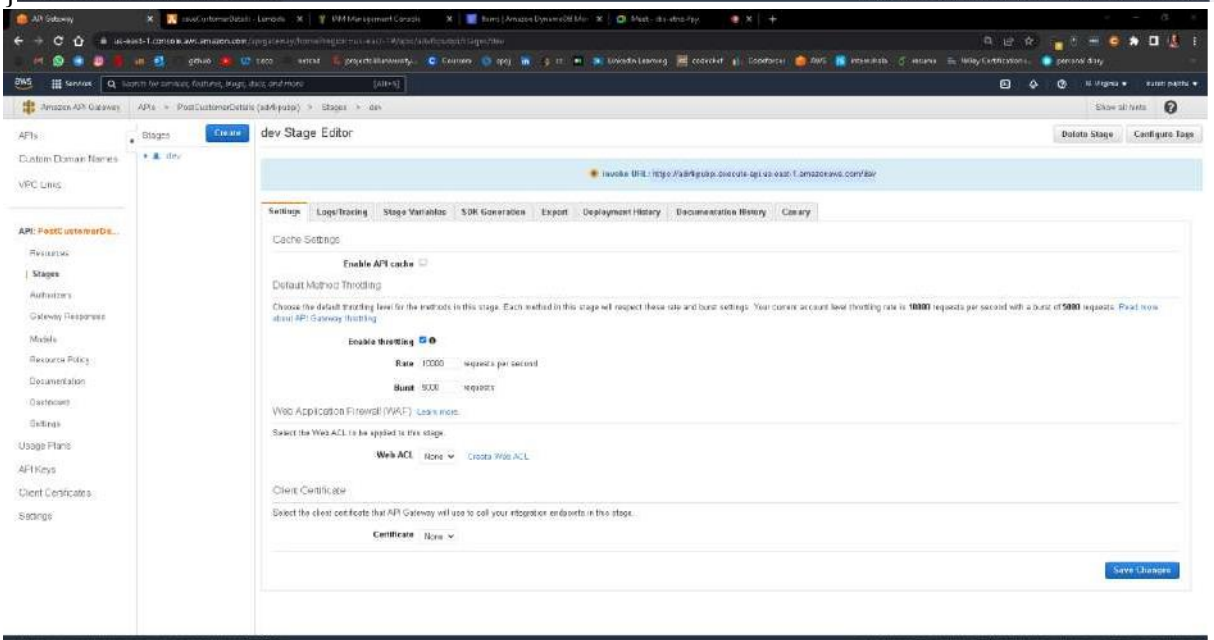
};

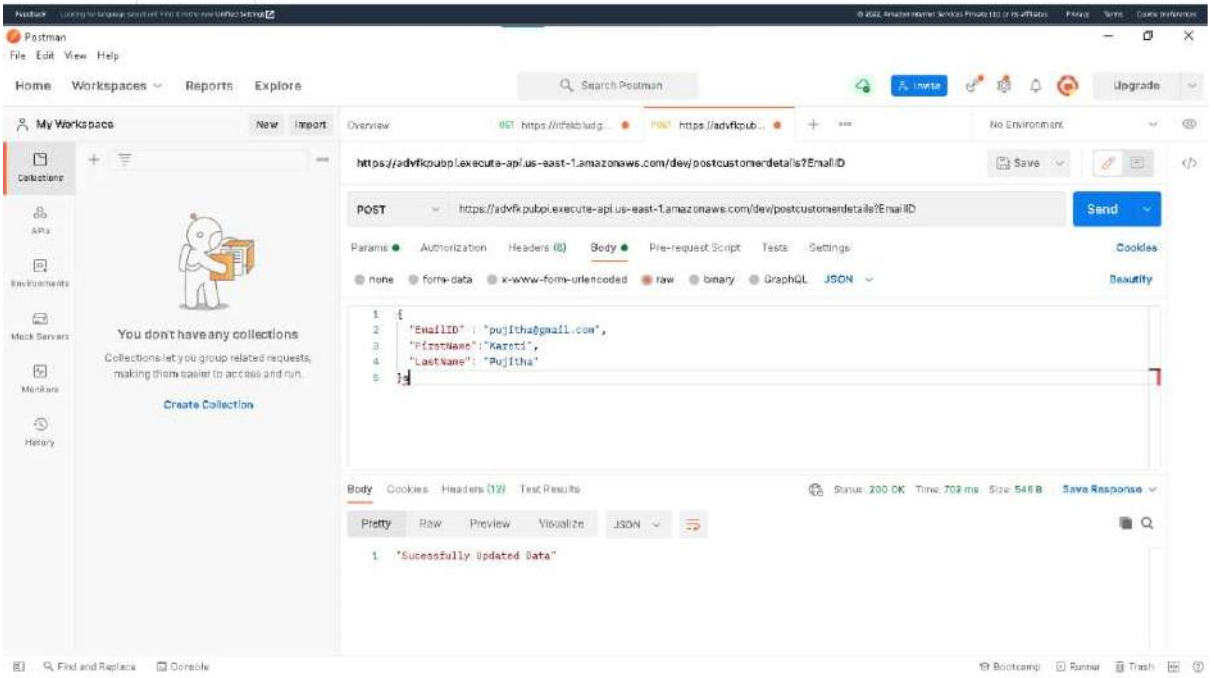


{
"EmailID": "pujitha@gmail.com",
"FirstName": "Kareti",
"LastName": "Pujitha"

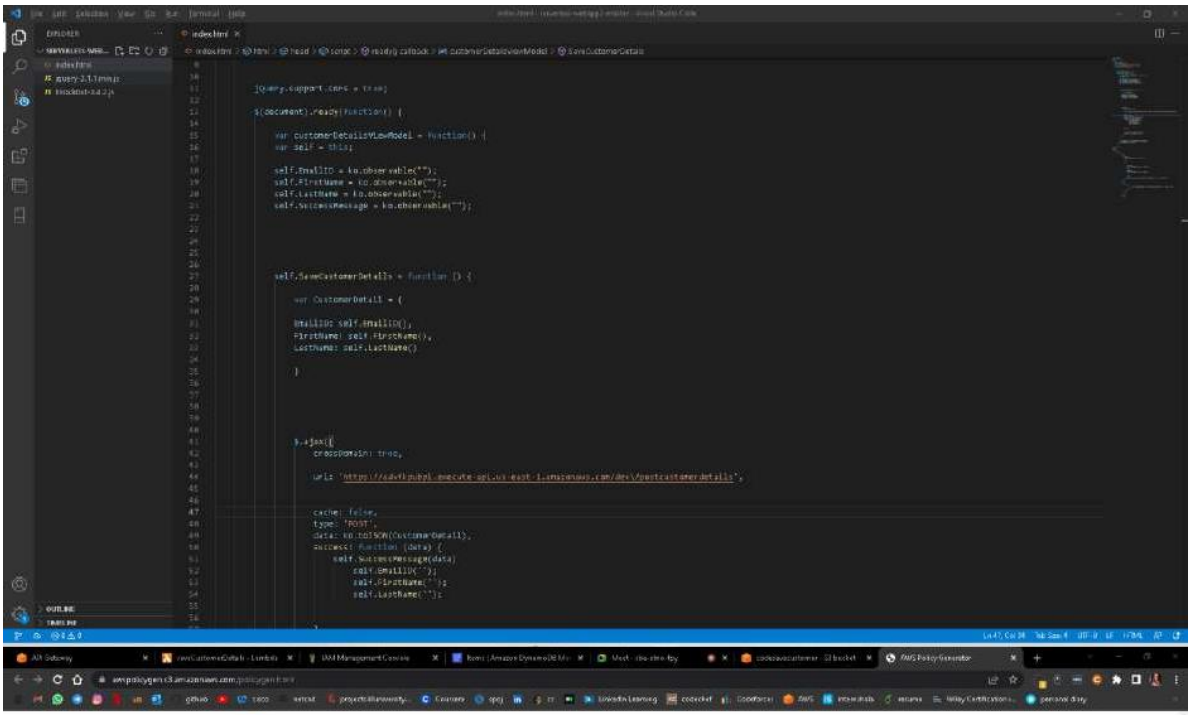


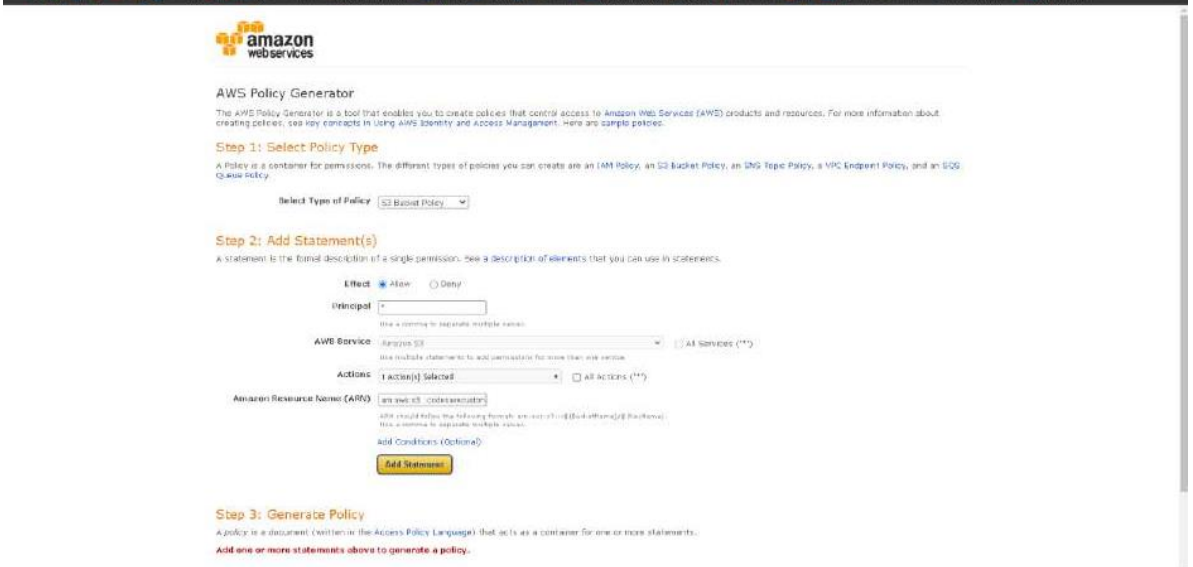
}

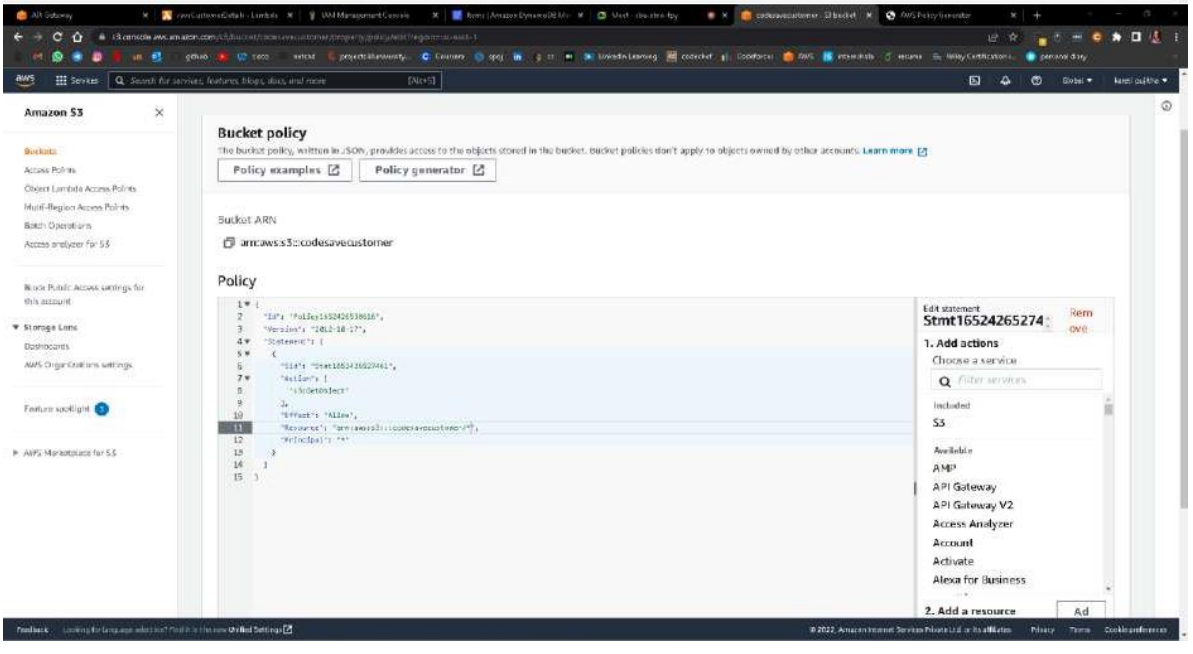


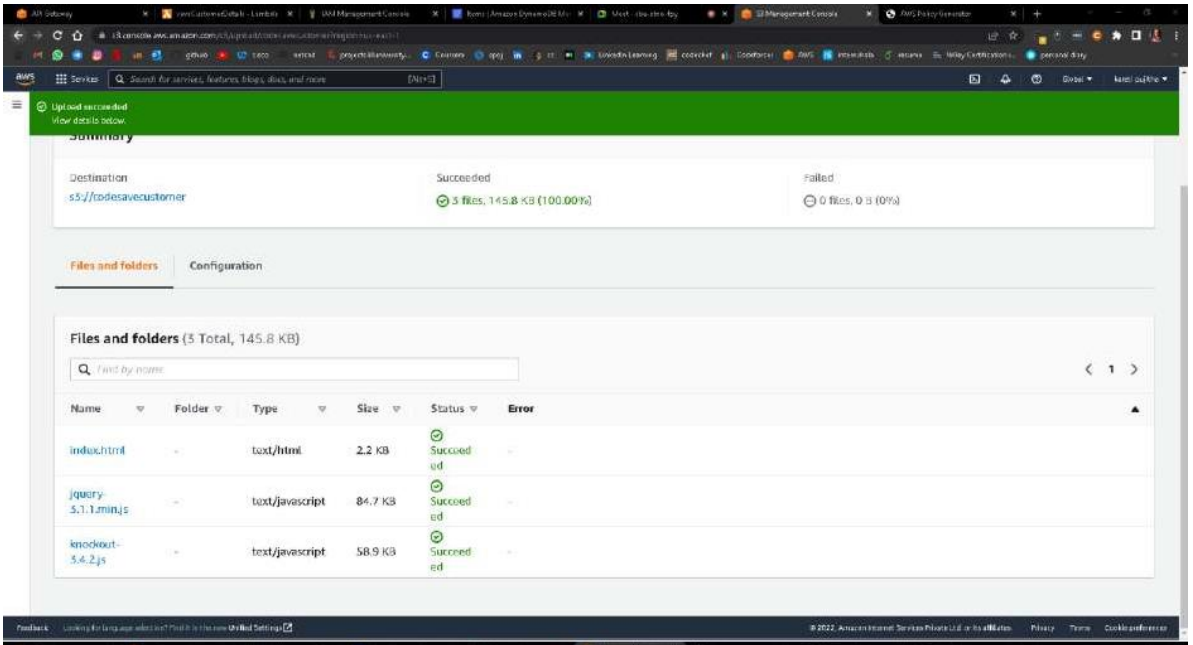


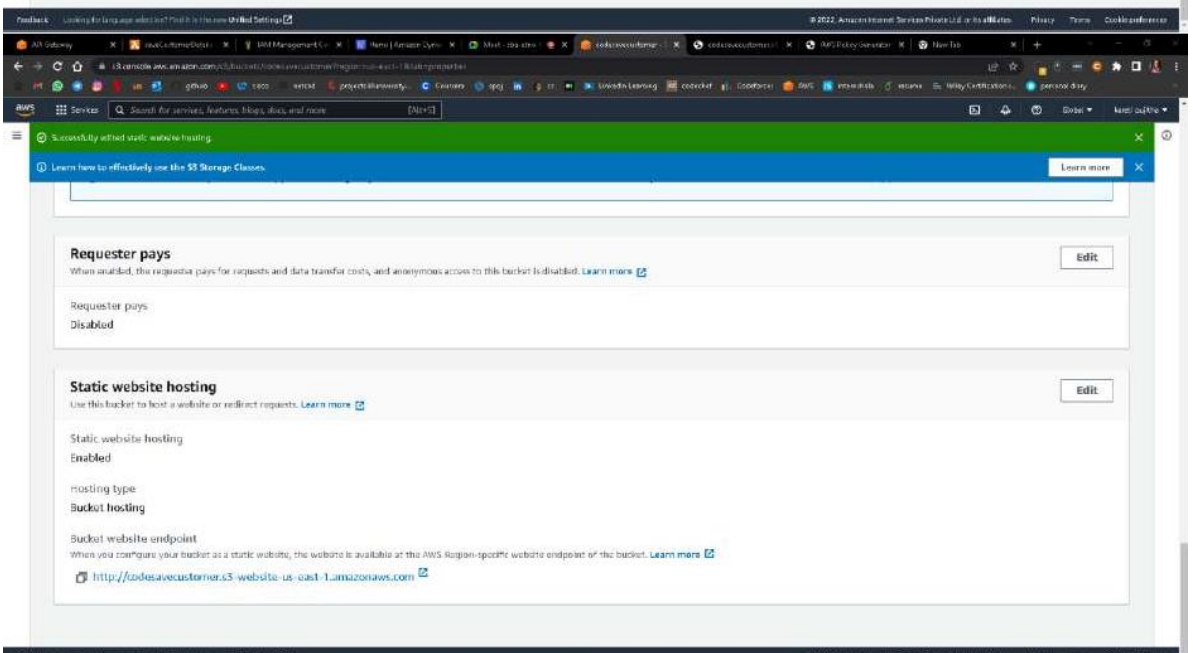
https://advfkpubpi.execute-api.us-east-1.amazonaws.com/dev\/postcustomerdetails

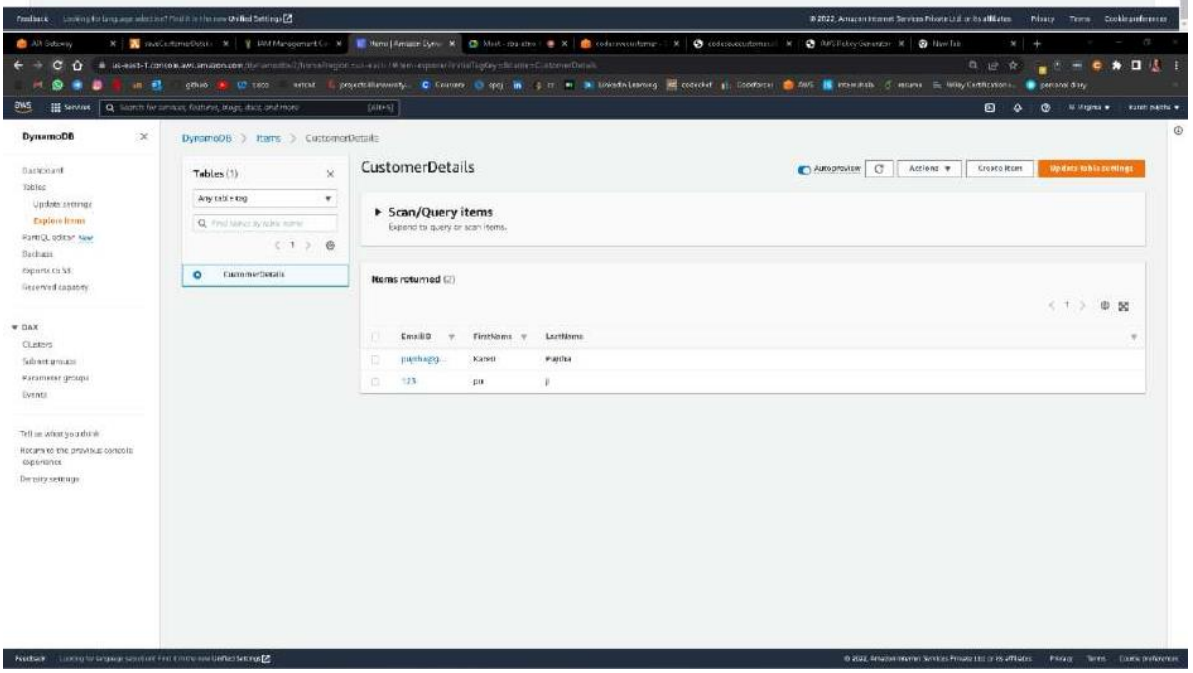


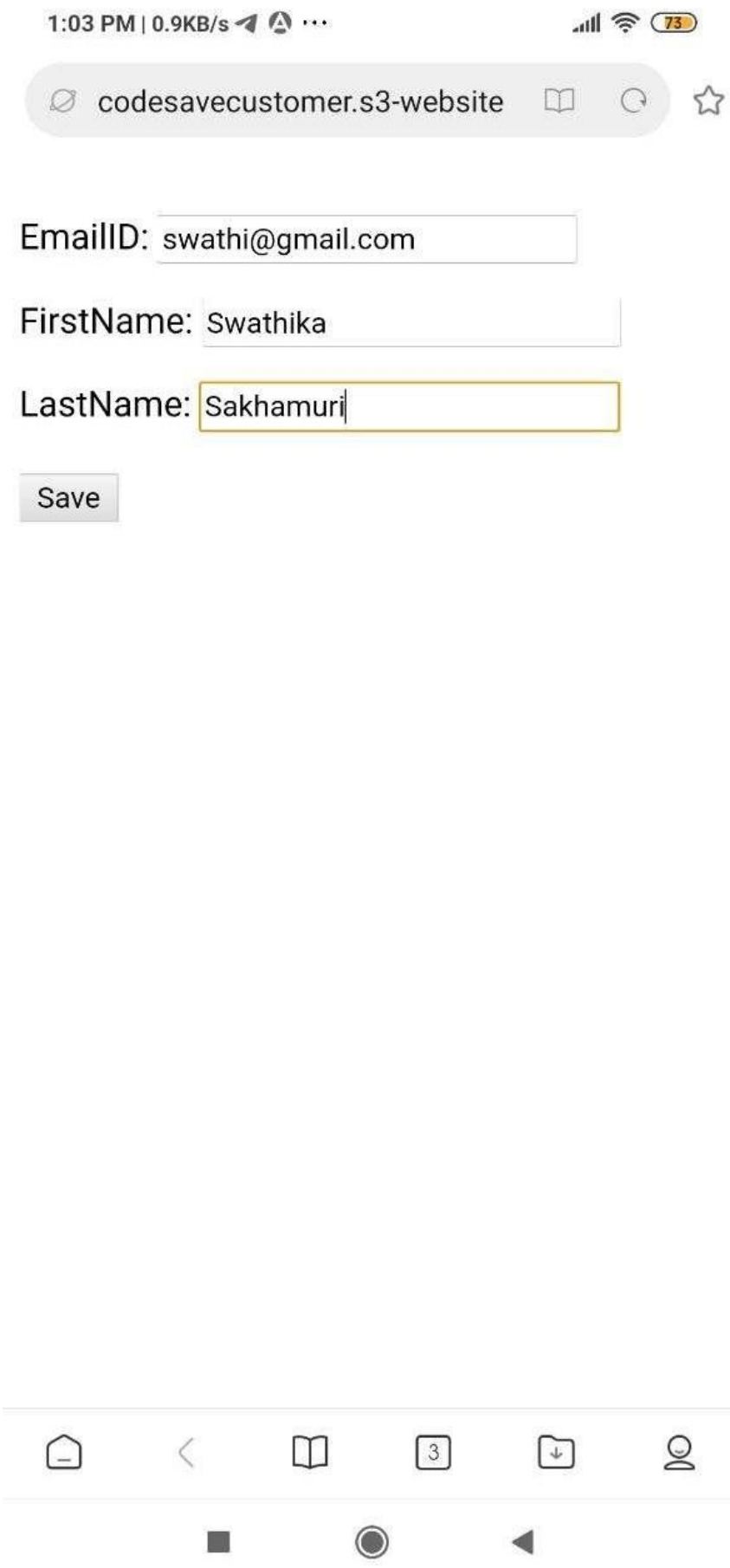

amazon
web services
AWS Policy Generator
The AWS Policy Generator is a tool that enables you to create policies that control access to Amazon Web Services (AWS) products and resources. For more information about creating policies, see key concepts in Using AWS Identity and Access Management. Here are sample policies.
Step 1: Select Policy Type
A Policy is a container for permissions. The different types of policies you can create are an IAM Policy, an S3 Bucket Policy, an SNS Topic Policy, a VPC Endpoint Policy, and an SQS Queue Policy.
Select Type of Policy
S3 Bucket Policy
Step 2: Add Statement(s)
A statement is the formal description of a single permission. See a description of elements that you can use in statements.
Effect
Allow
Deny
Principal
AWS Service
Amazon S3
All Services ('*')
Actions
1 action(s) Selected
All Actions ('*')
Amazon Resource Name (ARN)
arn:aws:s3:::codesavecustomer
Add Conditions (Optional)
Add Statement
Step 3: Generate Policy
A policy is a document (written in the Access Policy Language) that acts as a container for one or more statements.
Add one or more statements above to generate a policy.

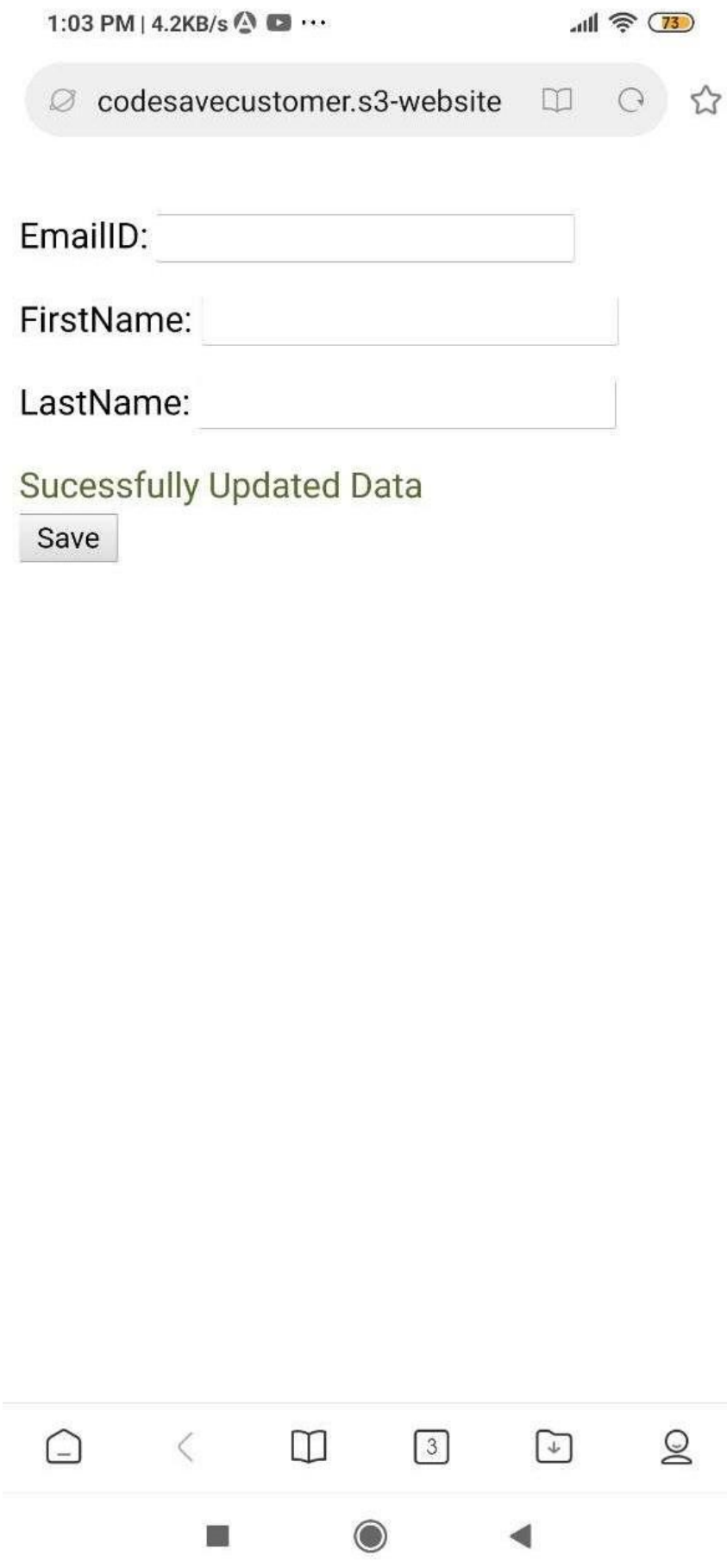

Amazon S3
Bucket policy
The bucket policy, written in JSON, provides access to the objects stored in the bucket. Bucket policies don't apply to objects owned by other accounts. Learn more
Policy examples
Policy generator
Bucket ARN
arn:aws:s3:::codesavecustomer
Policy
Edit statement
Stmt1652426527 4
1. Add actions
Choose a service
Filter services
Included
S3
Available
AMP
API Gateway
API Gateway V2
Access Analyzer
Account
Activate
Alexa for Business
2. Add a resource

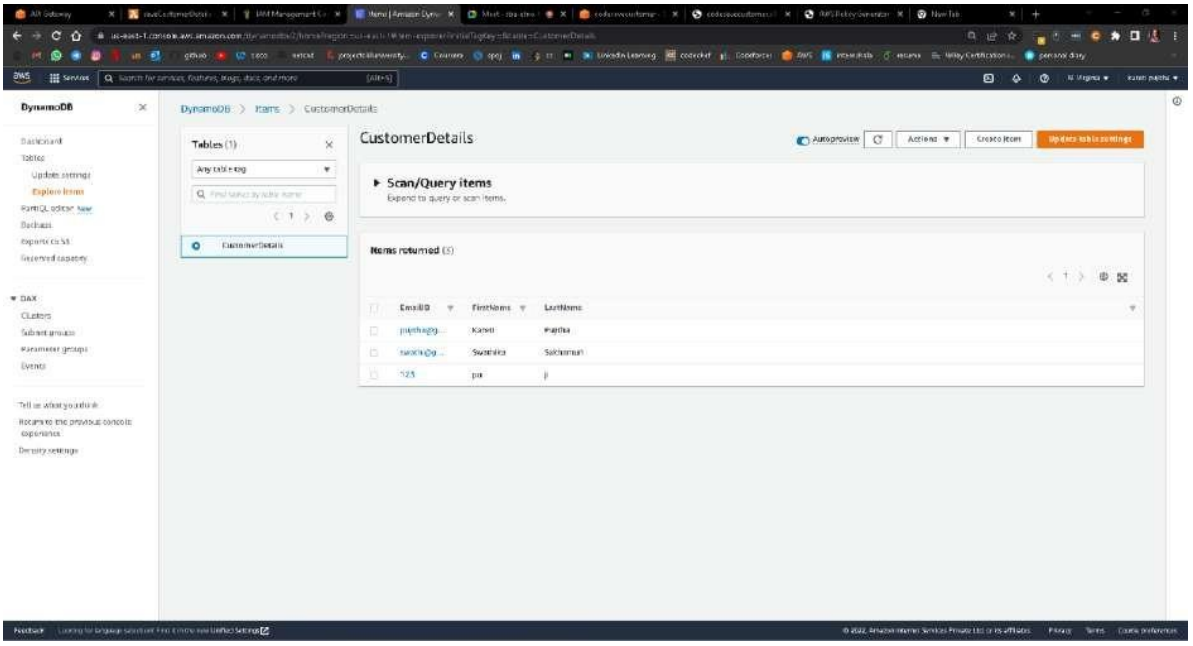

Upload succeeded
View details below.
Summary
Destination
s5://codesavecustomer
Succeeded
5 files, 145.8 KB (100.00%)
Failed
0 files, 0 B (0%)
Files and folders
Configuration
Files and folders (5 Total, 145.8 KB)
Find by name
Name
Folder
Type
Size
Status
Error
index.html
text/html
2.2 KB
Succeeded
jquery-3.1.1.min.js
text/javascript
84.7 KB
Succeeded
knockout-3.4.2.js
text/javascript
58.9 KB
Succeeded


Successfully edited static website hosting.
Learn more
Requester pays
When enabled, the requester pays for requests and data transfer costs, and anonymous access to this bucket is disabled. Learn more
Edit
Requester pays
Disabled
Static website hosting
Use this bucket to host a website or redirect requests. Learn more
Edit
Static website hosting
Enabled
Hosting type
Bucket hosting
Bucket website endpoint
When you configure your bucket as a static website, the website is available at the AWS Region-specific website endpoint of the bucket. Learn more
http://codesavecustomer.s3-website-us-east-1.amazonaws.com


DynamoDB
Tables (1)
CustomerDetails
Scan/Query items
Items returned
EmailID
FirstName
LastName


1:03 PM | 0.9KB/s
codesavecustomer.s3-website
EmailID: swathi@gmail.com
FirstName: Swathika
LastName: Sakhamuri
Save


1:03 PM | 4.2KB/s
codesavecustomer.s3-website
EmailID:
FirstName:
LastName:
Sucessfully Updated Data
Save


DynamoDB
Tables (1)
CustomerDetails
Scan/Query items
Items returned (5)
EmailID
FirstName
LastName