

Name: Lekgotla Motaung

Project 2: Udagram Own Instagram on AWS

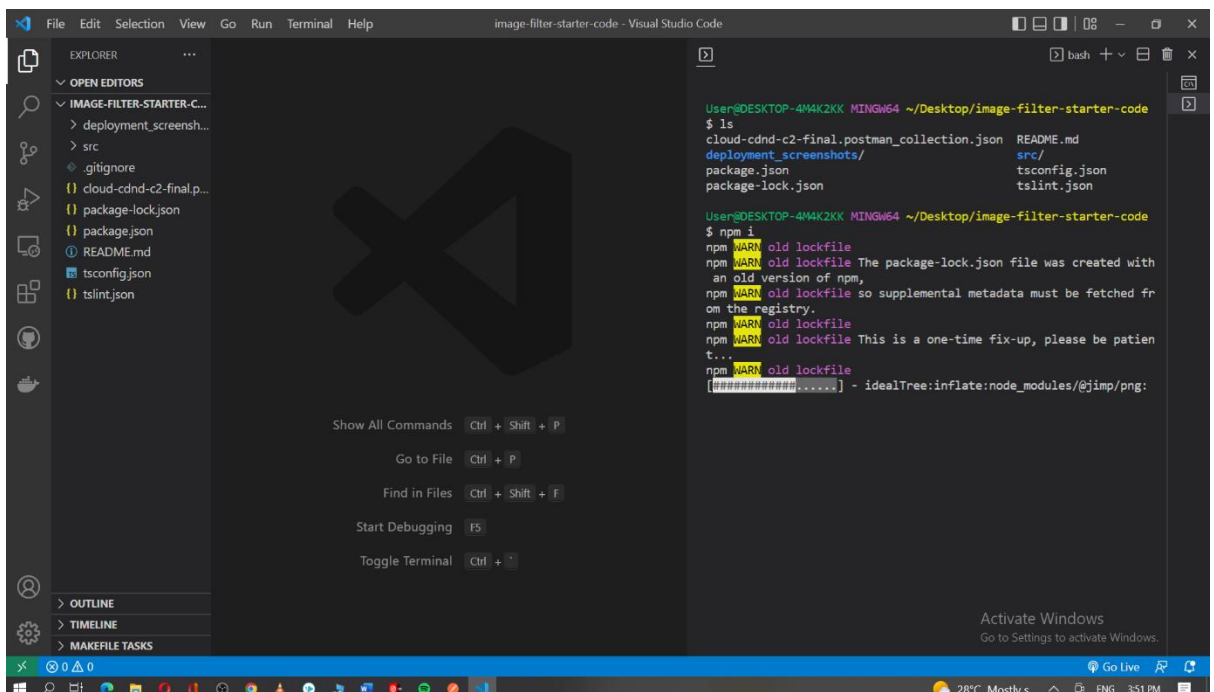
INSTALLATIONS

- > Node.js and Node Package Manager (NPM): link: <https://nodejs.com/en/download>
- > Ionic Command Line Interface
- > Python3: link: <https://www.python.org/downloads/>
- > Postman
- > AWS CLI

PROCEDURE

PART1

- > Step 1: cloning from: <http://github.com/udacity/cloud-developer.git>
- > Step 2: npm install



The screenshot shows the Visual Studio Code interface with a terminal window open. The terminal displays the output of the `npm install` command. The output shows the installation of dependencies from the `package.json` file. The dependencies listed are `cloud-cdn-c2-final.postman_collection.json`, `README.md`, `deployment_screenshots/`, `src/`, `package.json`, `tsconfig.json`, `package-lock.json`, and `tslint.json`. The terminal also shows warnings about an old lockfile and a one-time fix-up. The Visual Studio Code interface includes the Explorer, Search, and Run and Debug views on the left, and the Source Control view on the right. The bottom status bar shows the current file, line, and column information, as well as the active window and the system clock.

```
User@DESKTOP-4M4K2KK MINGW64 ~/Desktop/image-filter-starter-code
$ ls
cloud-cdn-c2-final.postman_collection.json  README.md
deployment_screenshots/                    src/
package.json                               tsconfig.json
package-lock.json                          tslint.json

User@DESKTOP-4M4K2KK MINGW64 ~/Desktop/image-filter-starter-code
$ npm i
npm WARN old lockfile
npm WARN old lockfile The package-lock.json file was created with
an old version of npm,
npm WARN old lockfile so supplemental metadata must be fetched fr
om the registry.
npm WARN old lockfile This is a one-time fix-up, please be patien
t...
npm WARN old lockfile
[#####.....] - idealTree:inflate:node_modules/@jimp/png:
```

- > Step 3: npm audit fix

```
File Edit Selection View Go Run Terminal Help image-filter-starter-code - Visual Studio Code

EXPLORER
  OPEN EDITORS
  IMAGE-FILTER-STARTER-C...
    deployment_screensh...
    node_modules
    src
    .gitignore
    cloud-cdnd-c2-final.p...
    package-lock.json
    package.json
    README.md
    tsconfig.json
    tslint.json

  OUTLINE
  TIMELINE
  MAKEFILE TASKS

Show All Commands Ctrl + Shift + P
Go to File Ctrl + P
Find in Files Ctrl + Shift + F
Start Debugging F5
Toggle Terminal Ctrl + `

User@DESKTOP-4M4K2KK MINGW64 ~/Desktop/image-filter-starter-code
$ ls
cloud-cdnd-c2-final.postman_collection.json  README.md
deployment_screenshots/                     src/
package.json                                tsconfig.json
package-lock.json                           tslint.json

User@DESKTOP-4M4K2KK MINGW64 ~/Desktop/image-filter-starter-code
$ npm i
npm WARN old lockfile
npm WARN old lockfile The package-lock.json file was created with
an old version of npm,
npm WARN old lockfile so supplemental metadata must be fetched fr
om the registry.
npm WARN old lockfile This is a one-time fix-up, please be patien
t...
npm WARN old lockfile
added 233 packages, and audited 234 packages in 1m

4 packages are looking for funding
  run `npm fund` for details

11 vulnerabilities (4 moderate, 6 high, 1 critical)

To address issues that do not require attention, run:
  npm audit fix

To address all issues (including breaking changes), run:
  npm audit fix --force

Run `npm audit` for details.

User@DESKTOP-4M4K2KK MINGW64 ~/Desktop/image-filter-starter-code
$ npm audit fix
[#####.....] | reify:fsevents: 311 reify mark deleted [#####.....]
```

> Step 4: npm run dev

```
File Edit Selection View Go Run Terminal Help image-filter-starter-code - Visual Studio Code

EXPLORER
  OPEN EDITORS
  IMAGE-FILTER-STARTER-C...
    deployment_screensh...
    node_modules
    src
    .gitignore
    cloud-cdnd-c2-final.p...
    package-lock.json
    package.json
    README.md
    tsconfig.json
    tslint.json

  OUTLINE
  TIMELINE
  MAKEFILE TASKS

Show All Commands Ctrl + Shift + P
Go to File Ctrl + P
Find in Files Ctrl + Shift + F
Start Debugging F5
Toggle Terminal Ctrl + `

run `npm fund` for details

# npm audit report

jpeg-js <0.4.4
Severity: high
Infinite loop in jpeg-js - https://github.com/advisories/GHSA-xvf
7-4v9q-S8w6
fix available via `npm audit fix --force`
Will install jimp@0.16.0, which is a breaking change
node_modules/jpeg-js
  @jimp/jpeg <0.12.0 || >=0.16.1
    Depends on vulnerable versions of jpeg-js
    node_modules/@jimp/jpeg
      @jimp/types <=0.11.1-canary.891.908.0 || >=0.16.1
        Depends on vulnerable versions of @jimp/jpeg
        node_modules/@jimp/types
          jimp 0.3.6-alpha.5 - 0.11.1-canary.891.908.0 || >=0.16.1
            Depends on vulnerable versions of @jimp/types
            node_modules/jimp

4 high severity vulnerabilities

To address all issues (including breaking changes), run:
  npm audit fix --force

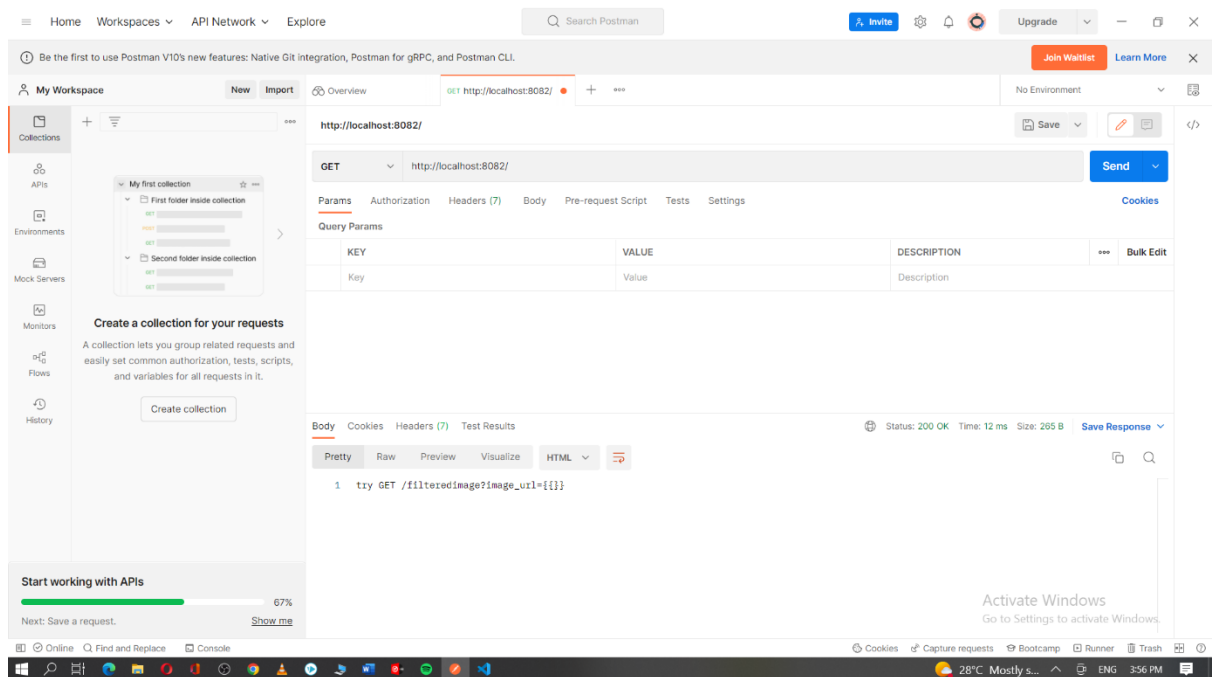
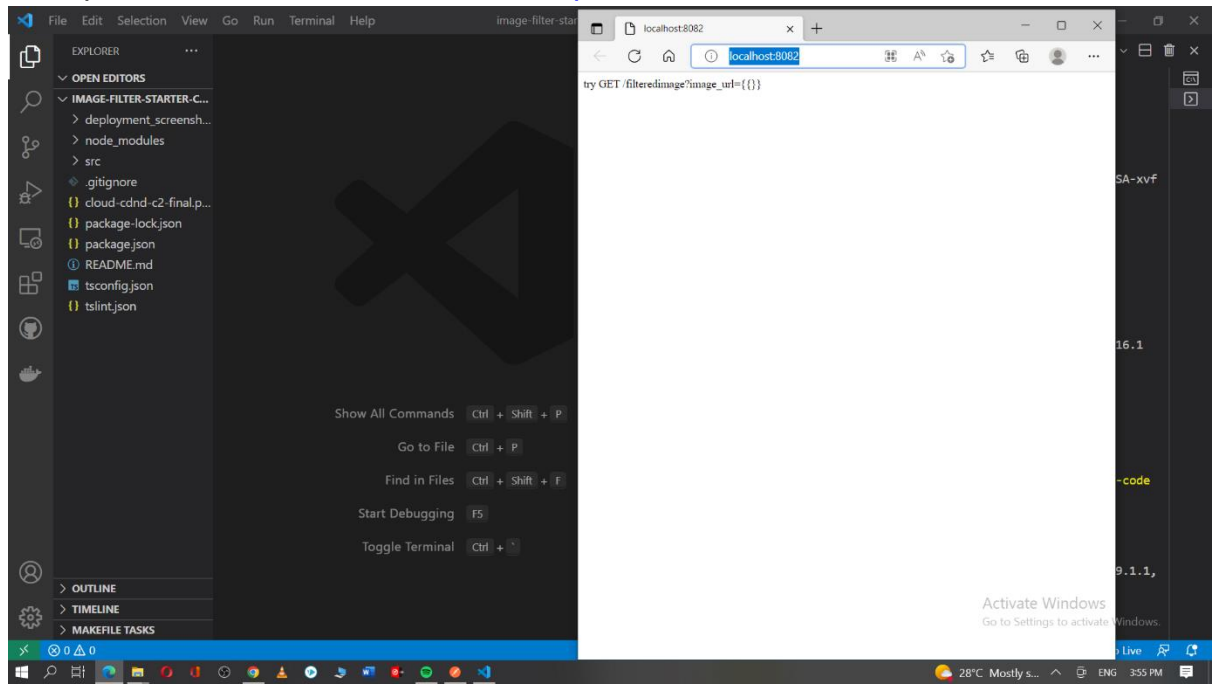
User@DESKTOP-4M4K2KK MINGW64 ~/Desktop/image-filter-starter-code
$ npm run dev

> udacity-c2-image-filter@1.0.0 dev
> ts-node-dev --respawn --transpile-only ./src/server.ts

[INFO] 15:54:50 ts-node-dev ver. 1.1.8 (using ts-node ver. 9.1.1,
typescript ver. 3.5.3)
server running http://localhost:8082
press CTRL+C to stop server

Activate Windows
Go to Settings to activate Windows
```

> Step 5: Test the link with Postman: <http://localhost:8082/>



> Step 6: git init

> Step 7: git add .

> Step 8: git commit -m "1 commit"

> Step 9: git branch -M main

> Step 10: git remote add origin

<https://github.com/Motaung80/udagram-image-filtering-0208.git>

> Step 11: git push -u origin main

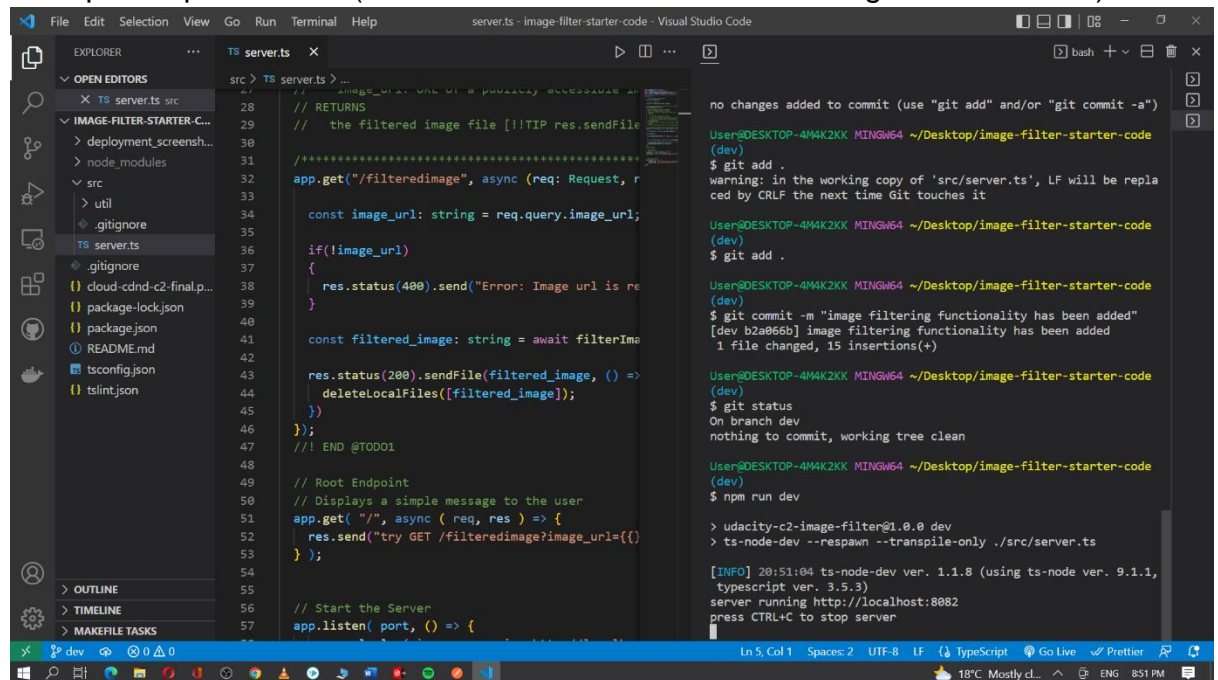
> Step 12: git checkout -b dev

> Step 13: Open sever.ts and add image filtering function using typescript, ensure all request work

> Step 14: git add .

> Step 15: git commit -m "Added image filter funonality in sever.ts file"

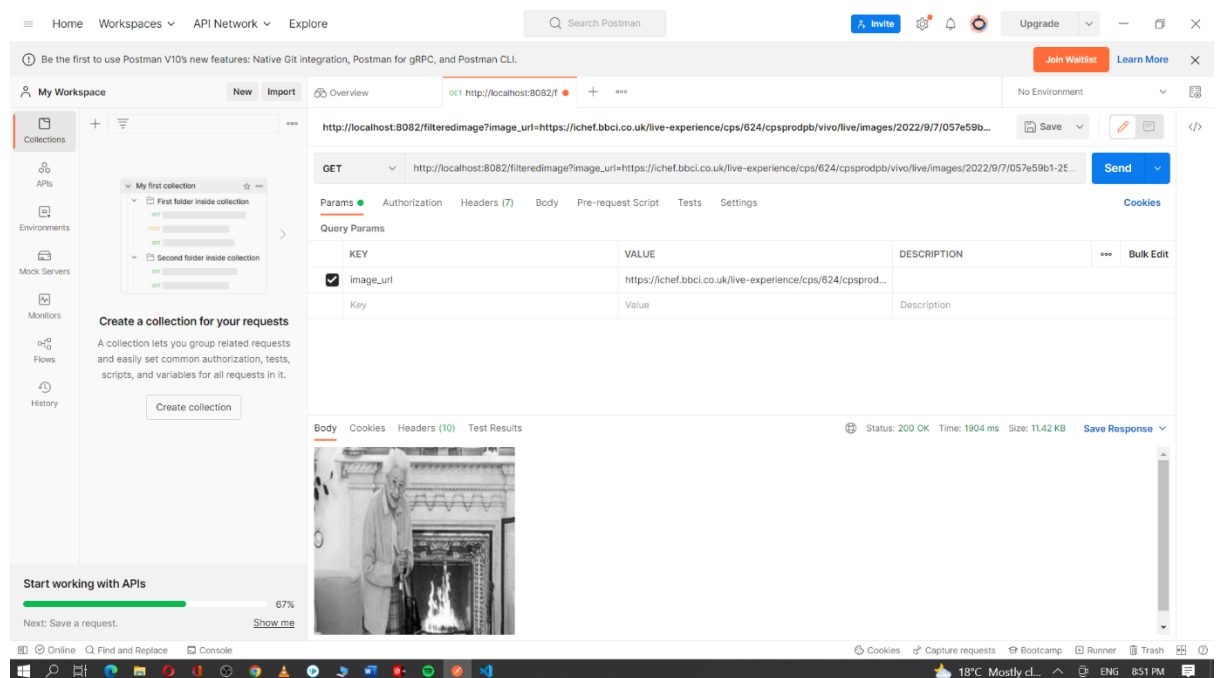
> Step 16: npm run dev (Test if the function works for all images on Postman)



The screenshot shows the Visual Studio Code editor with the 'server.ts' file open. The file contains TypeScript code for an Express.js server. The code includes a GET endpoint for '/filteredimage' that takes an 'image_url' query parameter and returns a filtered image. The terminal window shows the output of 'npm run dev', indicating that the server is running on http://localhost:8082.

```
src > TS server.ts > ...
// RETURNS
// the filtered image file [!!TIP res.sendFile
/*****
app.get("/filteredimage", async (req: Request, r
const image_url: string = req.query.image_url;
if(!image_url)
{
res.status(400).send("Error: Image url is re
}
const filtered_image: string = await filterIma
res.status(200).sendFile(filtered_image, () =>
deleteLocalFiles([filtered_image]);
});
});
//! END @TOD01
// Root Endpoint
// Displays a simple message to the user
app.get( "/", async ( req, res ) => {
res.send("try GET /filteredimage?image_url={
} );
// Start the Server
app.listen( port, () => {
```

```
no changes added to commit (use "git add" and/or "git commit -a")
User@DESKTOP-4M4K2KK MINGW64 ~/Desktop/image-filter-starter-code
(dev)
$ git add .
warning: in the working copy of 'src/server.ts', LF will be repla
ced by CRLF the next time Git touches it
User@DESKTOP-4M4K2KK MINGW64 ~/Desktop/image-filter-starter-code
(dev)
$ git add .
User@DESKTOP-4M4K2KK MINGW64 ~/Desktop/image-filter-starter-code
(dev)
$ git commit -m "image filtering functionality has been added"
[dev b2a866b] image filtering functionality has been added
1 file changed, 15 insertions(+)
User@DESKTOP-4M4K2KK MINGW64 ~/Desktop/image-filter-starter-code
(dev)
$ git status
On branch dev
nothing to commit, working tree clean
User@DESKTOP-4M4K2KK MINGW64 ~/Desktop/image-filter-starter-code
(dev)
$ npm run dev
> udacity-c2-image-filter@1.0.0 dev
> ts-node-dev --respawn --transpile-only ./src/server.ts
[INFO] 20:51:04 ts-node-dev ver. 1.1.8 (using ts-node ver. 9.1.1,
typescript ver. 3.5.3)
server running http://localhost:8082
press CTRL+C to stop server
```

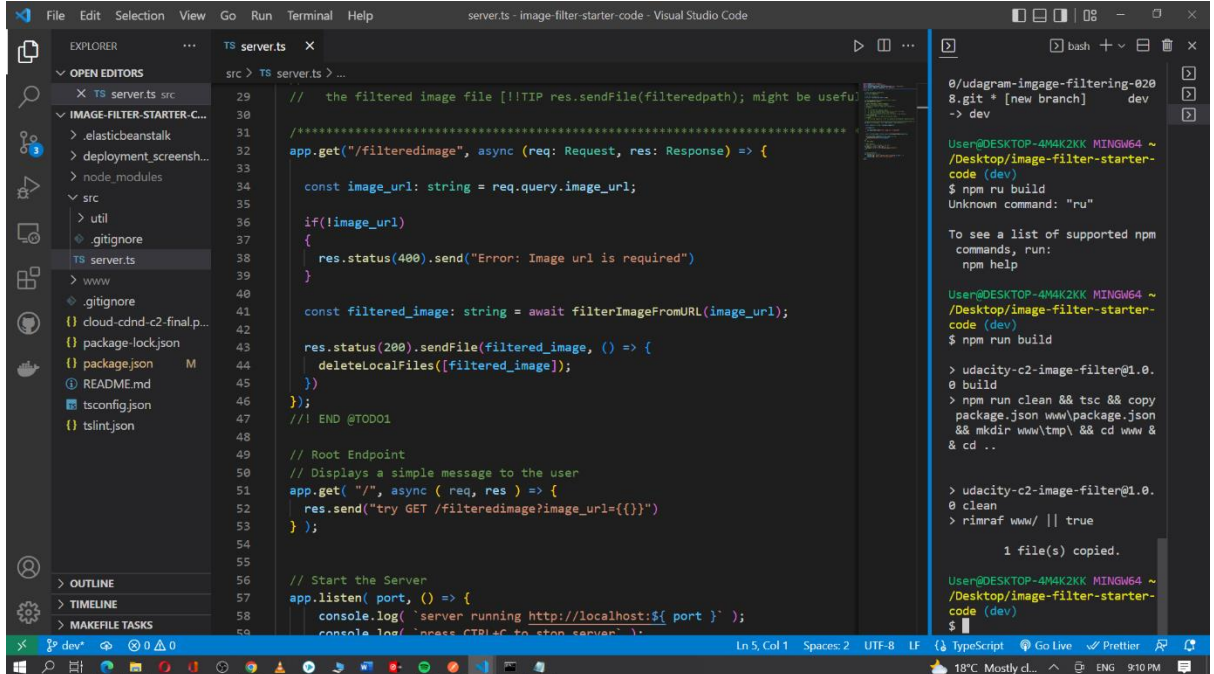


> Step 17: git push origin main

> Step 18: git push origin dev

> Step 19: Go to github and (i)create a pull request, (ii) merge and (iii) delete branch

> Step 20: npm run build



The screenshot shows the Visual Studio Code interface. The Explorer sidebar on the left shows the project structure for 'server.ts - image-filter-starter-code'. The main editor displays the 'server.ts' file with the following code:

```
29 // the filtered image file [!!TIP res.sendFile(filteredpath); might be useful]
30
31
32
33
34 app.get("/filteredimage", async (req: Request, res: Response) => {
35
36     const image_url: string = req.query.image_url;
37
38     if(!image_url)
39     {
40         res.status(400).send("Error: Image url is required")
41     }
42
43     const filtered_image: string = await filterImageFromURL(image_url);
44
45     res.status(200).sendFile(filtered_image, () => {
46         deleteLocalFiles([filtered_image]);
47     });
48
49 // Root Endpoint
50 // Displays a simple message to the user
51 app.get("/", async ( req, res ) => {
52     res.send("try GET /filteredimage?image_url={}")
53 });
54
55
56 // Start the Server
57 app.listen( port, () => {
58     console.log( `server running http://localhost:${ port }` );
59     console.log( `press CTRL+C to stop server` );
60 }
```

The terminal window on the right shows the following commands and output:

```
0/udagram-image-filtering-020
8.git * [new branch] dev
-> dev

User@DESKTOP-4M4K2KK MINGW64 ~
/Desktop/image-filter-starter-
code (dev)
$ npm run build
Unknown command: "ru"

To see a list of supported npm
commands, run:
npm help

User@DESKTOP-4M4K2KK MINGW64 ~
/Desktop/image-filter-starter-
code (dev)
$ npm run build

> udacity-c2-image-filter@1.0.
0 build
> npm run clean && tsc && copy
package.json www\package.json
&& mkdir www\tmp && cd www &
& cd ...

> udacity-c2-image-filter@1.0.
0 clean
> rimraf www/ || true

1 file(s) copied.

User@DESKTOP-4M4K2KK MINGW64 ~
/Desktop/image-filter-starter-
code (dev)
$
```

> Step 1: run eb init and select a region

> Step 2: Enter application name: I used default name

> Step 3: It appers you are using Node.js is correct Y or N? Y

> Step 4: Select a platform branch (default 1)

> Step 5: Do you wish to continue with codecommit Y or N? n

> Step 6: Select a keypair (default 2)

```
Administrator: Command Prompt - eb init
C:\WINDOWS\system32>cd ..\..\Users\User\Desktop\image-filter-starter-code
C:\Users\User\Desktop\image-filter-starter-code>eb init

Select a default region
1) us-east-1 : US East (N. Virginia)
2) us-west-1 : US West (N. California)
3) us-west-2 : US West (Oregon)
4) eu-west-1 : EU (Ireland)
5) eu-central-1 : EU (Frankfurt)
6) ap-south-1 : Asia Pacific (Mumbai)
7) ap-southeast-1 : Asia Pacific (Singapore)
8) ap-southeast-2 : Asia Pacific (Sydney)
9) ap-northeast-1 : Asia Pacific (Tokyo)
10) ap-northeast-2 : Asia Pacific (Seoul)
11) sa-east-1 : South America (Sao Paulo)
12) cn-north-1 : China (Beijing)
13) cn-northwest-1 : China (Ningxia)
14) us-east-2 : US East (Ohio)
15) ca-central-1 : Canada (Central)
16) eu-west-2 : EU (London)
17) eu-west-3 : EU (Paris)
18) eu-north-1 : EU (Stockholm)
19) eu-south-1 : EU (Milano)
20) ap-east-1 : Asia Pacific (Hong Kong)
21) me-south-1 : Middle East (Bahrain)
22) af-south-1 : Africa (Cape Town)
(default is 3): 1

Enter Application Name
(default is "image-filter-starter-code"):
Application image-filter-starter-code has been created.

It appears you are using Node.js. Is this correct?
(Y/n): y
Select a platform branch.
1) Node.js 16 running on 64bit Amazon Linux 2
2) Node.js 14 running on 64bit Amazon Linux 2
3) Node.js 12 running on 64bit Amazon Linux 2 (Deprecated)
(default is 1): 1

Do you wish to continue with CodeCommit? (Y/n): n
Do you want to set up SSH for your instances?
(Y/n): y

Type a keypair name.
(Default is aws-eb):
Generating public/private rsa key pair.
Enter passphrase (empty for no passphrase):
```

> Step 7: Go to elastic beanstalk and confirm if the application appers

The screenshot shows the AWS Elastic Beanstalk console. The left sidebar has 'Elastic Beanstalk' selected. The main content area shows 'All applications' with a table of applications. The table has columns for Application name, Environments, Date created, Last modified, and ARN. One application is listed: 'image-filter-starter-code' with environment 'image-filter-starter-code-dev-Lekotla', created on 2022-09-08 00:18:26 UTC+0200, and last modified on 2022-09-08 00:18:26 UTC+0200. The ARN is 'arn:aws:elasticbeanstalk:us-east-1:577567478331:application/image-filter-starter-code'.

Application name	Environments	Date created	Last modified	ARN
image-filter-starter-code	image-filter-starter-code-dev-Lekotla	2022-09-08 00:18:26 UTC+0200	2022-09-08 00:18:26 UTC+0200	arn:aws:elasticbeanstalk:us-east-1:577567478331:application/image-filter-starter-code

> Step 1: go to config.yml and insert the deploy: artifact: ./www/Archive.zip

Administrator: Command Prompt

(default is image-filter-starter-code-dev-Lekotla):

Select a load balancer type

1) classic

2) application

3) network

(default is 2): 2

Would you like to enable Spot Fleet requests for this environment? (y/N): n

2.0: Platforms require a service role. We will attempt to create one for you. You can specify your own role using the --service-role option.

Type "view" to see the policy, or just press ENTER to continue:

warning: in the working copy of 'package-lock.json', LF will be replaced by CRLF the next time Git touches it

warning: in the working copy of 'package.json', LF will be replaced by CRLF the next time Git touches it

Uploading image-filter-starter-code/app-b2a0-220908_002723146609.zip to S3. This may take a while.

Upload Complete.

Environment details for: image-filter-starter-code-dev-Lekotla

Application name: image-filter-starter-code

Region: us-east-1

Deployed Version: app-b2a0-220908_002723146609

Environment ID: e-53x9rrxmze

Platform: arn:aws:elasticbeanstalk:us-east-1:platform/Node.js 16 running on 64bit Amazon Linux 2/5.5.6

Tier: WebServer-Standard-1.0

CNAME: image-filter-starter-code-dev-Lekotla.us-east-1.elasticbeanstalk.com

Updated: 2022-09-07 22:27:30.713000+00:00

Printing Status:

2022-09-07 22:27:28 INFO createEnvironment is starting.

2022-09-07 22:27:30 INFO Using elasticbeanstalk-us-east-1-577567478331 as Amazon S3 storage bucket for environment data.

2022-09-07 22:27:30 INFO Created target group named: arn:aws:elasticloadbalancing:us-east-1:577567478331:targetgroup/awseb-AWSEB-T07AYBPMKTB/023874eac01f5eda

2022-09-07 22:27:57 INFO Created security group named: sg-02c24f98c188edbf

2022-09-07 22:28:13 INFO Created security group named: awseb-e-53x9rrxmze-stack-AWSEBSecurityGroup-13K7JP405219

2022-09-07 22:28:13 INFO Created Auto Scaling launch configuration named: awseb-e-53x9rrxmze-stack-AWSEBAutoScalingLaunchConfiguration-Ult2JXh3CQLx

2022-09-07 22:29:30 INFO Created Auto Scaling group named: awseb-e-53x9rrxmze-stack-AWSEBAutoScalingGroup-FQ1AXDF09HRS

2022-09-07 22:29:30 INFO Waiting for EC2 instances to launch. This may take a few minutes.

2022-09-07 22:29:30 INFO Created Auto Scaling group policy named: arn:aws:autoscaling:us-east-1:577567478331:scalingPolicy:29e56ee7-1ad4-45a3-b34b-3a9c0cae8d65:autoScalingGroupName/awseb-e-53x9rrxmze-stack-AWSEBAutoScalingGroup-FQ1AXDF09HRS:policyName/awseb-e-53x9rrxmze-stack-AWSEBAutoScalingScaleUpPolicy-Iruq46wd03gq

2022-09-07 22:29:30 INFO Created load balancer named: arn:aws:elasticloadbalancing:us-east-1:577567478331:loadbalancer/app/awseb-AWSEB-1Q3H10TS3P1CT/cb557f06b2f528ec

2022-09-07 22:29:30 INFO Created Auto Scaling policy named: arn:aws:autoscaling:us-east-1:577567478331:scalingPolicy:11775d11-6b7d-411c-9ddf-b4c7d360aff7:autoScalingGroupName/awseb-e-53x9rrxmze-stack-AWSEBAutoScalingGroup-FQ1AXDF09HRS:policyName/awseb-e-53x9rrxmze-stack-AWSEBAutoScalingScaleDownPolicy-RTpbrxx0bhw

2022-09-07 22:29:33 INFO Created CloudWatch alarm named: awseb-e-53x9rrxmze-stack-AWSEBCloudWatchAlarmHigh-1CQE2Pw3OPR1N

2022-09-07 22:29:48 INFO Created CloudWatch alarm named: awseb-e-53x9rrxmze-stack-AWSEBCloudWatchAlarmLow-3ULJDMSHLH8C

2022-09-07 22:29:48 INFO Created Load Balancer listener named: arn:aws:elasticloadbalancing:us-east-1:577567478331:listener/app/awseb-AWSEB-1Q3H10TS3P1CT/cb557f06b2f528ec/a6944119b6ce2a3a

2022-09-07 22:30:08 INFO Instance deployment: You didn't specify a Node.js version in the 'package.json' file in your source bundle. The deployment didn't install a specific Node.js version.

2022-09-07 22:30:25 INFO Application available at image-filter-starter-code-dev-Lekotla.us-east-1.elasticbeanstalk.com.

2022-09-07 22:30:59 INFO Successfully launched environment: image-filter-starter-code-dev-Lekotla

Activate Windows

Go to Settings to activate Windows.

Users\user\Desktop\image-filter-starter-code>

Windows taskbar with various icons and system tray showing 26°C Sunny, ENG, 3:31 PM.

Browser tabs: (1570) Sx, Monolith, image-fil, (1570) U, Motaung, Liz Truss, napoli, GitHub, ALX-T Cl, ALX-T Cl, Elastic B.

Browser address bar: us-east-1.console.aws.amazon.com/elasticbeanstalk/home?region=us-east-1#/environments

Elastic Beanstalk

Environments

Applications

Change history

Recent environments

image-filter-starter-code-dev-Lekotla

AWS Graviton now supported

AWS Graviton, an arm64-based processor, can offer up to 40% better price performance over the comparable x86 processor. To upgrade to an arm64 instance type, choose it in the 'Capacity' settings in 'Additional configuration.'

Elastic Beanstalk > Environments

All environments

Filter results matching the display values

Environment name	Health	Application name	Date created	Last modified	URL	Running versions	Platform
image-filter-starter-code-dev-Lekotla	OK	image-filter-starter-code	2022-09-08 00:27:30 UTC+0200	2022-09-08 00:30:59 UTC+0200	image-filter-starter-code-dev-Lekotla.us-east-1.elasticbeanstalk.com	app-b2a0-220908_002723146609	Node.js 16 running on 64bit Amazon Linux 2

Activate Windows

Go to Settings to activate Windows.

Feedback

Looking for language selection? Find it in the new Unified Settings

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Windows taskbar with various icons and system tray showing 28°C Sunny, ENG, 4:33 PM.

us-east-1.console.aws.amazon.com/elasticbeanstalk/home?region=us-east-1#/environment/dashboard?applicationName=image-filter-starter-code&environmentId=e-53x9rmzme

Elastic Beanstalk

- Environments
- Applications
- Change history

image-filter-starter-code

- Application versions
- Saved configurations

image-filter-starter-code-dev-Lekotla

- Go to environment
- Configuration
- Logs
- Health
- Monitoring
- Alarms
- Managed updates
- Events
- Tags

image-filter-starter-code-dev-Lekotla

image-filter-starter-code-dev-Lekotla.us-east-1.elasticbeanstalk.com (e-53x9rmzme)

Application name: image-filter-starter-code

Refresh Actions

Health

Ok

Causes

Running version

app-b2a0-220908_002723146609

Upload and deploy

Platform

nodejs

Node.js 16 running on 64bit Amazon Linux 2/5.5.6

Change

Recent events

Show all

1

Time Type Details

Activate Windows

Go to Settings to activate Windows.

Feedback Looking for language selection? Find it in the new Unified Settings

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28°C Sunny 4:53 PM

us-east-1.console.aws.amazon.com/elasticbeanstalk/home?region=us-east-1#/environment/dashboard?applicationName=image-filter-starter-code&environmentId=e-53x9rmzme

Elastic Beanstalk

- Environments
- Applications
- Change history

image-filter-starter-code

- Application versions
- Saved configurations

image-filter-starter-code-dev-Lekotla

- Go to environment
- Configuration
- Logs
- Health
- Monitoring
- Alarms
- Managed updates
- Events
- Tags

image-filter-starter-code-dev-Lekotla

image-filter-starter-code

Health

Ok

Causes

Running version

app-b2a0-220908_002723146609

Upload and deploy

Platform

nodejs

Node.js 16 running on 64bit Amazon Linux 2/5.5.6

Change

Recent events

Show all

1

Time	Type	Details
2022-09-08 00:30:59 UTC+0200	INFO	Successfully launched environment: image-filter-starter-code-dev-Lekotla
2022-09-08 00:30:59 UTC+0200	INFO	Application available at image-filter-starter-code-dev-Lekotla.us-east-1.elasticbeanstalk.com.
2022-09-08 00:30:51 UTC+0200	INFO	Environment health has transitioned from Pending to Ok. Initialization completed 12 seconds ago and took 3 minutes.
2022-09-08 00:30:51 UTC+0200	INFO	Added instance [i-0c07c04e108da707a] to your environment.
2022-09-08 00:30:25 UTC+0200	INFO	Instance deployment completed successfully.

Activate Windows

Go to Settings to activate Windows.

Feedback Looking for language selection? Find it in the new Unified Settings

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28°C Sunny 4:53 PM

>removing localhost

The screenshot shows a web browser window at the top with the URL `image-filter-starter-code-dev-lekotla.us-east-1.elasticbeanstalk.com`. Below the browser, a terminal window displays the command `try GET /filteredimage?image_url={}`. The main part of the image is a screenshot of the Postman application. The 'My Workspace' tab is active, showing a collection named 'img-fill'. A request is defined with the URL `http://localhost:8082/filteredimage?image_url=https://ichef.bbci.co.uk/live-experience/cps/624/cpsprodpb/live/ima...`. The 'Params' tab is selected, showing a query parameter `image_url` with the value `https://ichef.bbci.co.uk/live-experience/cps/624/cpsprod...`. The 'Body' tab is also visible, showing a response image of a man in a white coat. The status bar at the bottom indicates 'Status: 200 OK, Time: 1020 ms, Size: 11.42 KB'.

try GET /filteredimage?image_url={}

Activate Windows
Go to Settings to activate Windows.

Home Workspaces API Network Explore

Search Postman

Be the first to use Postman V10's new features: Native Git integration, Postman for gRPC, and Postman CLI.

Join Waitlist Learn More

My Workspace

New Import Overview

img-fill

GET http://localhost:8082/filteredimage?image_url=https://ichef.bbci.co.uk/live-experience/cps/624/cpsprodpb/live/ima...

Send

Params Authorization Headers (7) Body Pre-request Script Tests Settings

Query Params

KEY	VALUE	DESCRIPTION
<input checked="" type="checkbox"/> image_url	https://ichef.bbci.co.uk/live-experience/cps/624/cpsprod...	
Key	Value	Description

Body Cookies Headers (10) Test Results

Status: 200 OK Time: 1020 ms Size: 11.42 KB Save Response

Start working with APIs

Next: Save a request. Show me

Activate Windows
Go to Settings to activate Windows.

> Github link: <https://github.com/Motaung80/udagram-image-filtering-0208.git>

> image url remove localhost:

<http://image-filter-starter-code-dev-lekotla.us-east-1.elasticbeanstalk.com/>

