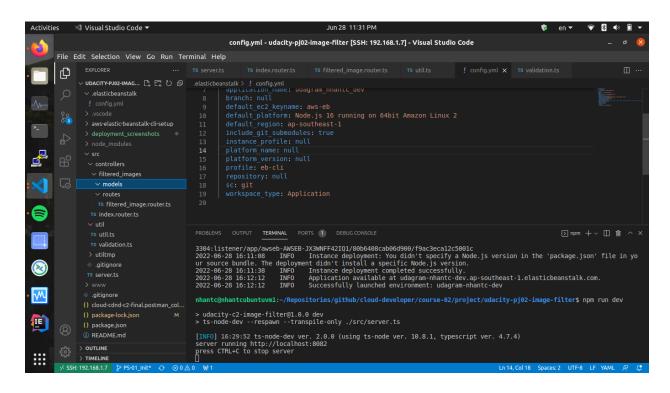
## **Engineering Process and Quality**

All project code is stored in a GitHub repository and this link has been submitted for review. There are at least two branches - one for development (dev, development) and one master. Master should contain the most up-to-date, stable code at the time of submission.

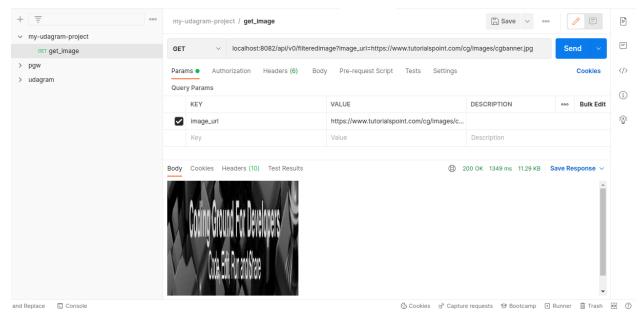
https://github.com/nicktran69/udacity-pj02-image-filter

## **Development Server**

Starting the server with npm run dev runs a local instance of the server with no errors

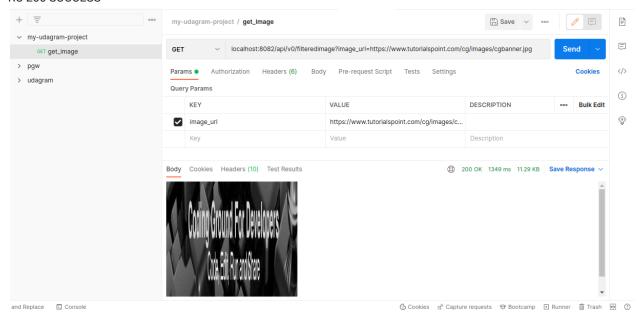


The stubbed @TODO1 endpoint in src/server.ts is completed and accepts valid requests including:localhost:8082/api/v0/filteredimage?image\_url=https://www.tutorialspoint.com/cg/images/cgbanner.jpg

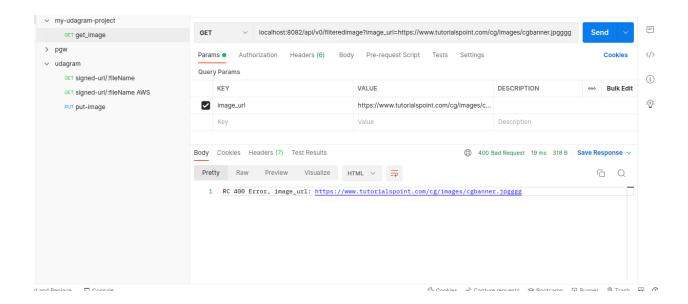


Successful responses have a 200 code, at least one error code for caught errors (i.e. 422)

## RC 200 SUCCESS



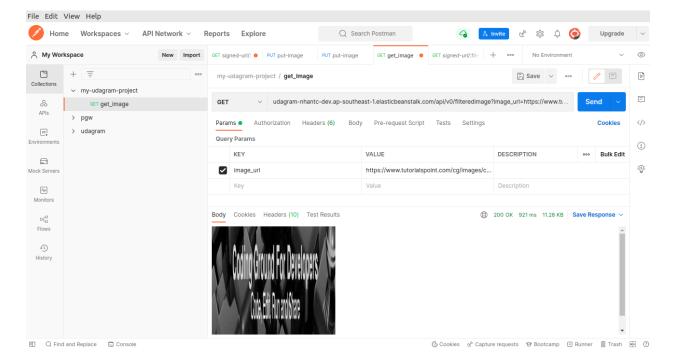
RC 400 ERROR



## **Elastic Beanstalk Deployment**

An endpoint URL for a running elastic beanstalk deployment (EB\_URL) has been submitted along with the project submission. This endpoint responds to valid GET requests including:

<u>udagram-nhantc-dev.ap-southeast-1.elasticbeanstalk.com/api/v0/filteredimage?image\_url=https://www.tutorialspoint.com/cg/images/cgbanner.ipg</u>



The project was deployed using the AWS Elastic Beanstalk CLI eb init, eb create, and eb deploy commands.

```
ml:~/Repositories/github/cloud-developer/course-02/project/udacity-pj02-image-filter$ eb create
Enter Environment Name
(default is udagram-nhantc-dev-dev): udagram-nhantc-dev
Enter DNS CNAME prefix
(default is udagram-nhantc-dev):
Select a load balancer type
1) classic
application
network
(default is 2):
Would you like to enable Spot Fleet requests for this environment? (y/N): n
Uploading udagram_nhantc_dev/app-0b2a-220628_160904704544.zip to S3. This may take a while.
Uploading udagram_nhantc_dev/app-0b2a-220628_160904704544.zip to S3. This may take a while.
Upload Complete.
Environment details for: udagram-nhantc-dev
   Application name: udagram_nhantc_dev
   Region: ap-southeast-1
  Deployed Version: app-0b2a-220628_160904704544
Environment ID: e-jtxpcvgtgc
Platform: arn:aws:elasticbeanstalk:ap-southeast-1::platform/Node.js 16 running on 64bit Amazon Linux 2/5.5.4
   Tier: WebServer-Standard-1.0
  CNAME: udagram-nhantc-dev.ap-southeast-1.elasticbeanstalk.com
Updated: 2022-06-28 16:09:07.677000+00:00
Printing Status:
2022-06-28 16:09:06
2022-06-28 16:09:07
                            INFO
                                      createEnvironment is starting.
Using elasticbeanstalk-ap-southeast-1-471778123304 as Amazon S3 storage bucket for environ
ment data.
2022-06-28 16:09:28 INFO Created target group named: arn:aws:elasticloadbalancing:ap-southeast-1:471778123304:targe
   loading udagram_nhantc_dev/app-0b2a-220628_160904704544.zip to S3. This may take a while.
Upload Complete.
Environment details for: udagram-nhantc-dev
   Application name: udagram nhantc dev
   Region: ap-southeast-1
   Deployed Version: app-0b2a-220628_160904704544
  Environment ID: e-jtxpcvgtgc
Platform: arn:aws:elasticbeanstalk:ap-southeast-1::platform/Node.js 16 running on 64bit Amazon Linux 2/5.5.4
   Tier: WebServer-Standard-1.0
  CNAME: udagram-nhantc-dev.ap-southeast-1.elasticbeanstalk.com
Updated: 2022-06-28 16:09:07.677000+00:00
Printing Status:
2022-06-28 16:09:06
                            INFO
                                      createEnvironment is starting.
2022-06-28 16:09:07
                            INFO
                                      Using elasticbeanstalk-ap-southeast-1-471778123304 as Amazon S3 storage bucket for environ
ment data.
2022-06-28 16:09:28
                            INFO
                                      Created target group named: arn:aws:elasticloadbalancing:ap-southeast-1:471778123304:targe
TBC86FK2U:policyName/awseb-e-jtxpcvgtgc-stack-AWSEBAutoScalingScaleUpPolicy-1T08MVMKMBJP5
                                     Created CloudWatch alarm named: awseb-e-jtxpcvgtgc-stack-AWSEBCloudwatchAlarmHigh-1R2U6WD0
2022-06-28 16:10:45
OD9RT
2022-06-28 16:10:45
                            INFO
                                     Created CloudWatch alarm named: awseb-e-jtxpcvgtgc-stack-AWSEBCloudwatchAlarmLow-E9RL3T1Z6
M6E
2022-06-28 16:11:01
                           INFO
                                     Created load balancer named: arn:aws:elasticloadbalancing:ap-southeast-1:471778123304:load
balancer/app/awseb-AWSEB-JX3WNFF42IQ1/80b6408cab06d900
2022-06-28 16:11:01
                           INFO
                                    Created Load Balancer listener named: arn:aws:elasticloadbalancing:ap-southeast-1:47177812
3304:listener/app/awseb-AWSEB-JX3WNFF421Q1/80b6408cab66d900/f9ac3ecal2c5001c
2022-06-28 16:11:08 INFO Instance deployment: You didn't specify a Node.js version in the 'package.json' file in yo ur source bundle. The deployment didn't install a specific Node.js version.
2022-06-28 16:11:38 INFO Instance deployment completed successfully.
2022-06-28 16:12:12 INFO Application available at udagram-nhantc-dev.ap-southeast-1.elasticbeanstalk.com.
2022-06-28 16:12:12
                            INFO
                                     Successfully launched environment: udagram-nhantc-dev
                             /Repositories/github/cloud-developer/course-02/project/udacity-pi02-image-filter$
```

A screenshot of the elastic beanstalk application dashboard is included in a deployment\_screenshot directory.

