Udacity

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Course: Cloud Developer
Project: Engineering Full Stack Apps in the Cloud

Engineering Process and Quality

The project demonstrates an understanding of a good cloud git process

GitHub repository:
https://github.com/Thalberty/cloud-developer/tree/master

The project demonstrates an ability to use typescript and Nodejs

```
app.get("/filteredimage", async (req, res) => {
  const { image_url } = req.query

  // 1. validate the image_url query
  if (!image_url) {
    res.status(400).send('Please, send a valid url')
  }

  try {

    // 2. call filterImageFromURL(image_url) to filter the image
    var imageFiltered = await filterImageFromURL(image_url);

    // 3. send the resulting file in the response
    res.status(200).sendFile(imageFiltered);

    res.on('finish', function () {
      // 4. deletes any files on the server on finish of the response
      deleteLocalFiles([imageFiltered])

    });

  } catch (err) {
    res.status(422).send('Processing failed, please try again')
  }

});
```

Development Server

The project demonstrates the ability to develop using the NodeJS framework

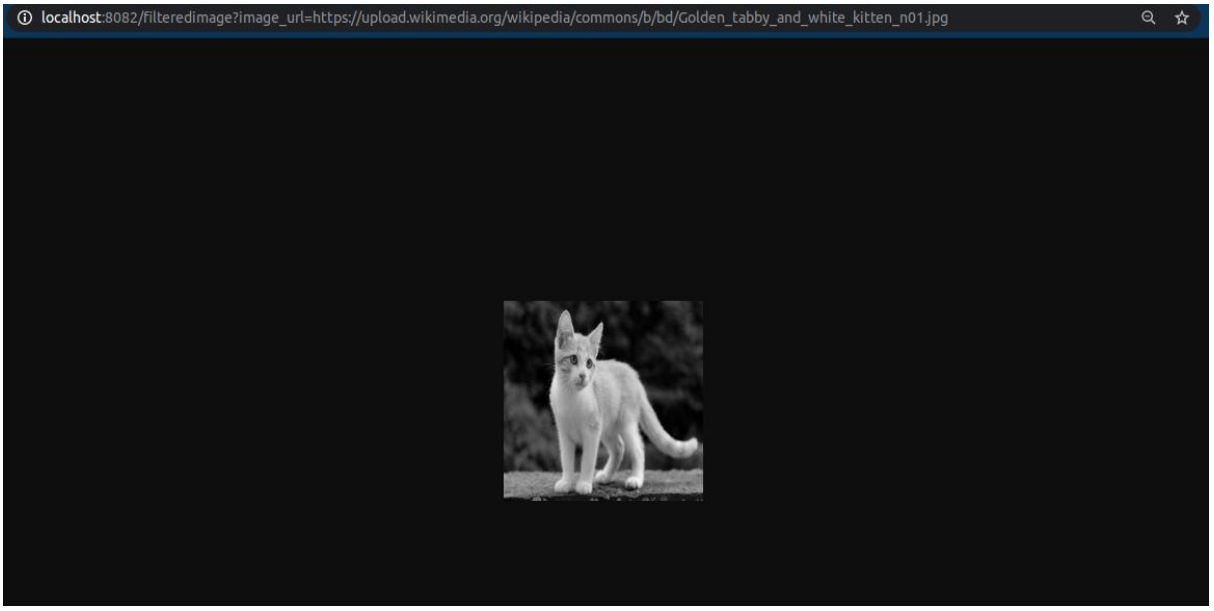
```
thalbert@thalbert:~/Documentos/AWS/fullstack-apps-on-aws/project1/cloud-developer/course-02/project/image-filter-sta
rter-code$ npm run dev

> udacity-c2-image-filter@1.0.0 dev /home/thalbert/Documentos/AWS/fullstack-apps-on-aws/project1/cloud-developer/cou
rse-02/project/image-filter-starter-code
> ts-node-dev --respawn --transpileOnly ./src/server.ts

Using ts-node version 8.3.0, typescript version 3.5.3
server running http://localhost:8082
press CTRL+C to stop server
```

The project demonstrates an understanding of RESTFUL design

http://localhost:8082/filteredimage?image_url=https://upload.wikimedia.org/wikipedia/commons/b/bd/Golden_tabby_and_white_kitten_n01.jpg

The project demonstrates an understanding of HTTP status codes

Successful response:



Error code for caught errors (i.e. 422):

```
} catch (err) {
  res.status(422).send('Processing failed, please try again')
}
```

Elastic Beanstalk Deployment

The project demonstrates the ability to create functional cloud deployments

http://udacity-image-project-tm-dev.sa-east-1.elasticbeanstalk.com/filteredimage?image_url=https://upload.wikimedia.org/wikipedia/commons/b/bd/Golden_tabby_and_white_kitten_n01.jpg

The project demonstrates an understanding of AWS Elastic Beanstalk's CLI and Console Dashboard