Code Academy Backend Engineering Take-home Technical Document

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Github repository: <https://github.com/danjcampbell/catservice>

Dockerhub Repository: <https://hub.docker.com/repository/docker/dannycampbell726/cat-service>

API specifications:

**This service will run on port 8085**

Catservice is an api with a series of different actions:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Endpoint | Roles Authorized | HTTP Method | Example | Description |
| /catservice/api/retrieveCatPicList | ADMIN  USER | GET | localhost:8085/catservice/api/retrieveCatPicList |  |
| /catservice/api/deleteCatPicById/ | ADMIN | DELETE | localhost:8085/catservice/api/deleteCatPicById/1613329307792 |  |
| /catservice/api/uploadCatPic/ | ADMIN | POST | localhost:8085/catservice/api/uploadCatPic/ | This will also use form data parameter: file which will be of data type “file” |
| /catservice/api/retrieveCatPicById/{id} | ADMIN  USER | GET | localhost:8085/catservice/api/retrieveCatPicById/1613329307792 |  |
| /catservice/api/updateCatPicture/{id} | ADMIN | PUT | localhost:8085/catservice/api/updateCatPicture/1613328897955 | This will also use form data parameter: file which will be of data type “file” |

All request will require basic authentication:

1. Successful authentication but failed authorization will result in a 403 HTTP Error response
2. Unsuccessful authentication will result in a 401 HTTP error response

|  |  |  |
| --- | --- | --- |
| USERNAME | PASSWORD | ROLE |
| admin | admin | ROLE\_ADMIN |
| user | user | ROLE\_USER |

How to run:

Run Docker Compose in your terminal that has access to docker and docker compose and in the directory that you save the following file

docker-compose.yml

services:

cat-service:

image: dannycampbell726/cat-service:latest

ports:

- "8085:8085"

version: '3.8'

(the docker-compose.yml is also available in the github repo in the root folder)

Screen Shots From Postman



