

Multimédia e Tecnologia Web

LESI (3º ano)

1st Activity

2018/2019

A. Learning outcomes

This exercise allows students to understand the behavior of HTTP protocol by analyzing the responses to some requests. It also allows students to learn how to use a public API and learn its rules of use.

B. Exercises

Go to <https://developers.giphy.com/>.

To use the API you should create an account. You can do it by choosing create an app.

Fill the fields, and press Create New App

The account creation gives you the information you need to interact with the API. Save the **apiKey**. This key allows you to confirm that you are you.

In a terminal (mac) or cmd (windows), using Curl (<https://curl.haxx.se>) answer to the following questions:

1. Analyze the API and identify the possible usages.
2. Perform the following commands in curl:
 - curl -i 'http://api.giphy.com/v1/stickers/translate?api_key=YUORAPI&s=FCP'
 - curl -i http://www.nasa.gov
 - curl -i https://www.nasa.gov
 - curl -i https://apod.nasa.gov/apod/image/1801/Tadpoles_Jimenez_960.jpg

Create a new app

Create a new app to be assigned a beta API Key for your project. Later, when your app is ready for production, you can apply for a production API Key.

Your App Name

gifs to test http requests

App Description

testing http with curl

Cancel

Create New App

gifs to test http requests

Api Key:

v5ieKu8Ir9AUeVRqQop468KyjUCj9zyD

[Request a production key](#)

For each request:

- a) Identify HTTP versions
- b) Identify HTTP status codes and its meaning
- c) Identify the response headers and body

- d) Do a search to learn more about the headers. To each one describe its function:
 - a) access-control-allow-cross
 - b) content-type
 - c) accept