This work will consist of creating a server (API) with data. This server will respond to requests from one site (your first practical work). It will consist of a layer with endpoints and another layer with data (Models and access to the database in MongoDb).

The requirements of the projects are:

- Good presentation of the code and good structure of pages (as was taught in class) (10)
- Improve the code of the first exercise.

In Server (BackOffice) you need:

- Model and controller for the categories of giphys, where you will have an id of each category with a simple description. (10) (json model)
- Model and controller for giphys, use the giphy models (only what is needed). An example if you want to search for giphys of a category, you just search the giphys with categoryId. (20)
- Create endpoint for (90):
    - Get - return all giphys
    - Get - return the giphy by categoryId
    - Get - return all categories
    - Post - create a new giphy
    - Post - create a new category
    - Put - update a category
    - Delete - delete a giphys by ID.

In Frontend Page you need:

- Update the site to read from your server and the categories (buttons) should be dynamic according the response of the get. (30)
- Update the site to make the necessary gets of giphys through the category id (10)
- It must be possible to add by Postman but you need add more giphys and categories in your site. (30)

You should have a small report at most 2 pages describing the practical work, where are present difficulties you had, and parts of the code you think necessary. And what he lacked to do.

The delivery of the work will have to be done until June 9 at 20:00 P.m. Both the front page and the server, all in one zip in different folders. Be careful, you do not need to copy the node_modules folder from the server. Delivery will be done in Moodle.