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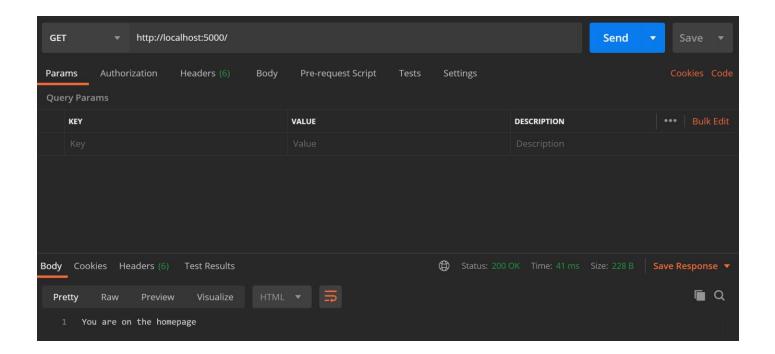
GITHUB REPOSITORY: https://github.com/tomvik/Web Parcial 2

## Instructions:

- You must have your webcam turned on.
- Turn off your cellphone and close any social media site.
- You are allowed to use the following during the exam:
  - o Command line / Terminal / Gitbash.
  - o The editor of your preference to write the coding solutions.
  - o Material from class is allowed.
- Code everything from zero.
- When you finish the exam, you will need to upload to CANVAS this file.
- You cannot ask any classmate for anything. This exam is a test of how much you have learned.

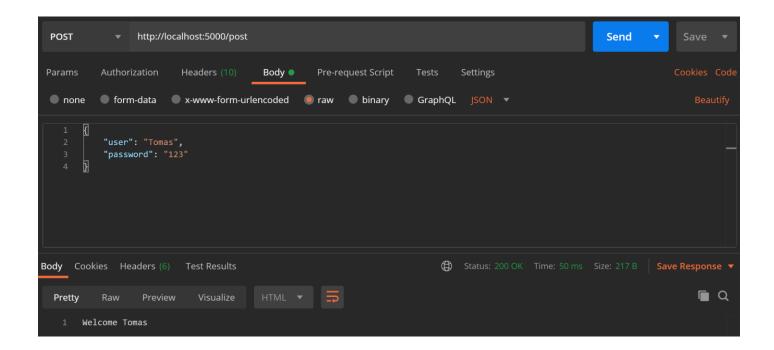
## Part 1 - Express

- 1. Create file called "server.js" and write all necessary code to have a node-express server which runs on port 5000. (Don't forget to initialize your project).
- **2.** Create the following routes using the necessary types of http requests. You must include a screenshot of each request with the corresponding response using any of: Postman, Rest Client, Insomnia.
  - a. **GET** listening on url: "/" which <u>replies to the client a text</u>: "You are on the homepage".

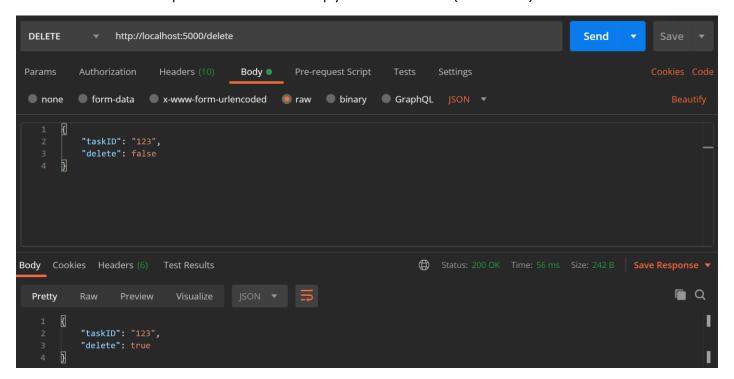


b. **POST** listening on url: "/post" which must <u>send to the server a json object</u> with the following fields: user, password.

Send a request (with random data) and reply back to the user "Welcome {user}" (where user must be the value sent in the request). **HINT:** You need to include a middleware so the server understands the json data it is receiving.

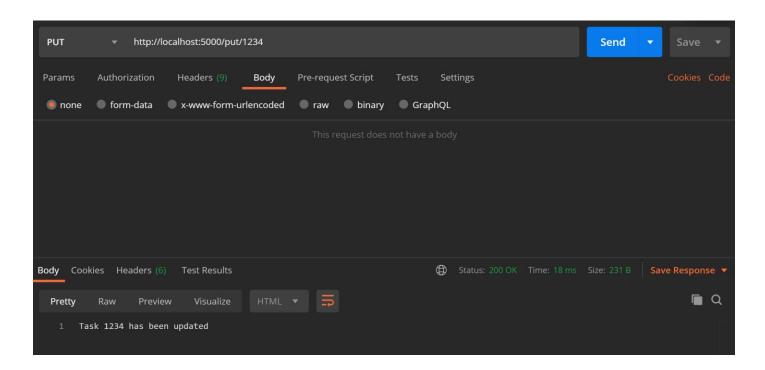


c. **DELETE** listening on url: "/delete" which must <u>send a json</u> object with the following field: **taskId**Send a request with a **taskId** and reply back to the user: "{delete: true}



d. **PUT** listening on url "/put/{**ID**}" which does not send anything in the body.

Send a request like: "/put/123 and reply back to the user: "Task 123 has been updated"



After you are done create a new github repository and upload your project. Be sure to paste your github repo in the top of this file.

## Part 2 - Mongo

In this section you need to write the requested queries. You must attach a screenshot that contains the query and the result of each query. If you have issues with your local MongoDB, you can use the following web-shell: <a href="https://docs.mongodb.com/manual/tutorial/getting-started/">https://docs.mongodb.com/manual/tutorial/getting-started/</a>

1. Write a query to: Create a Database called: web-store

```
> use web-store
switched to db web-store
> show dbs
admin  0.000GB
config  0.000GB
local  0.000GB
```

2. Write a query to: Create a Collection called: products

```
> db.createCollection('products')
{ "ok" : 1 }
```

```
> show dbs
admin 0.000GB
config 0.000GB
local 0.000GB
web-store 0.000GB
```

3. Write a query to: show the list of available collections.

```
> show collections
products
```

4. Write a query to insert a document to a Collection with the following fields/data:

```
name: "shoes"
cost: 199.99
stock: 10
date_added: [current Date]
```

```
> db.products.insert( { name: "shoes", cost: 199.99, stock: 10, date_added: Date() } )
WriteResult({ "nInserted" : 1 })
```

5. Write a query that: shows all available products in the **products** Collection.

```
> db.products.find()
{ "_id" : ObjectId("5f20b85c0a6faf157cac2e3f"), "name" : "shoes", "cost" : 199.99, "stock" : 10, "date_added" : "Tue Jul
28 2020 18:44:28 GMT-0500 (Central Daylight Time (Mexico))" }
```

6. Add a second document to the **products** Collection with the following data:

name: "sun-glasses"

cost: 500 stock: 2

```
> db.products.insert( { name: "sun-glasses", cost: 500, stock: 2 } )
WriteResult({ "nInserted" : 1 })
> db.products.find()
{ "_id" : ObjectId("5f20b85c0a6faf157cac2e3f"), "name" : "shoes", "cost" : 199.99, "stock" : 10, "da
28 2020 18:44:28 GMT-0500 (Central Daylight Time (Mexico))" }
{ "_id" : ObjectId("5f20b9020a6faf157cac2e40"), "name" : "sun-glasses", "cost" : 500, "stock" : 2 }
```

7. Write a query that: shows all available products in the **products** Collection using the "pretty" mode.

8. Write a query to update the "stock" of the "sun-glasses" from the current stock to 20. Also write another query to show that the update worked showing the new stock. (In total here 2 queries)

9. Write a query to delete product with name "shoes" and also write a query to visualize that the product is no longer present. (In total here 2 queries)

10. Write a guery to drop the current database.

```
> db.products.drop()
true
> show collections
> show dbs
admin    0.000GB
config    0.000GB
local    0.000GB
```

"If you try and Fail, Congratulations.

Most People won't even try"