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Projeto GitHub: [https://github.com/nathan-oliveira/teste\\_acacia\\_consultoria](https://github.com/nathan-oliveira/teste_acacia_consultoria)

Criar usuário (POST): <http://localhost:3333/users>

The screenshot shows a REST client interface with a POST request to `http://localhost:3333/users`. The request body is a JSON object with the following fields: `username` ("nathan\_oliveira"), `email` ("nathan\_oliveiramendonca7@hotmail.com"), `password` ("123456789"), and `realm` ("realm realm realm"). The response status is 200 OK, with a time of 80 ms and a size of 402 B. The response body is a JSON object with the following fields: `id` (4), `username` ("nathan\_oliveira"), `email` ("nathan\_oliveiramendonca7@hotmail.com"), `realm` ("realm realm realm"), and `emailVerified` (false).

```
POST http://localhost:3333/users

{
  "username": "nathan_oliveira",
  "email": "nathan_oliveiramendonca7@hotmail.com",
  "password": "123456789",
  "realm": "realm realm realm"
}
```

Status: 200 OK Time: 80 ms Size: 402 B Save Response

```
{
  "id": 4,
  "username": "nathan_oliveira",
  "email": "nathan_oliveiramendonca7@hotmail.com",
  "realm": "realm realm realm",
  "emailVerified": false
}
```

Efetuar Login (POST): <http://localhost:3333/login>

The screenshot shows a REST client interface with a POST request to `http://localhost:3333/login`. The request body is a JSON object with the following fields: `email` ("nathan\_oliveiramendonca7@hotmail.com") and `password` ("123456789"). The response status is 200 OK, with a time of 56 ms and a size of 544 B. The response body is a JSON object with the following fields: `username` ("nathan\_oliveira"), `email` ("nathan\_oliveiramendonca7@hotmail.com"), `realm` ("realm realm realm"), `emailVerified` (false), and `token` ("eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6NCwiaWF0IjoxNjE3Mjg4MDAzLCJleHAiOjE2MTczNjc8MDN9.f0Sax2oB00-Gwdi\_Rb-PdHKytUPqIADaQrVCArUF7ha").

```
POST http://localhost:3333/login

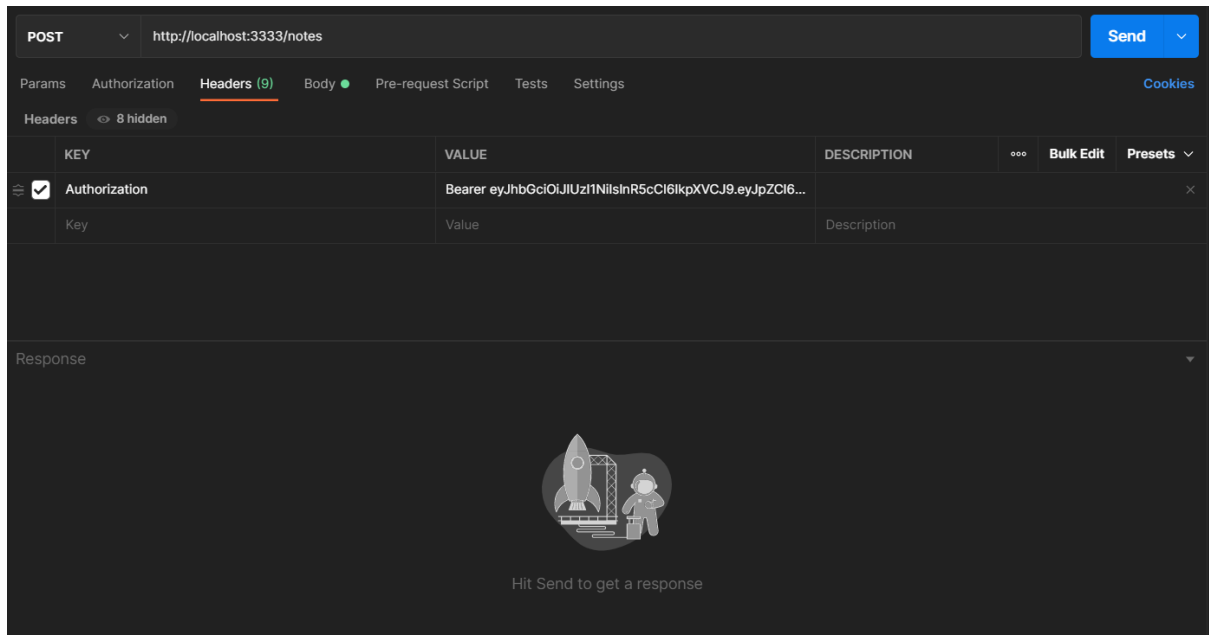
{
  "email": "nathan_oliveiramendonca7@hotmail.com",
  "password": "123456789"
}
```

Status: 200 OK Time: 56 ms Size: 544 B Save Response

```
{
  "username": "nathan_oliveira",
  "email": "nathan_oliveiramendonca7@hotmail.com",
  "realm": "realm realm realm",
  "emailVerified": false,
  "token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6NCwiaWF0IjoxNjE3Mjg4MDAzLCJleHAiOjE2MTczNjc8MDN9.f0Sax2oB00-Gwdi_Rb-PdHKytUPqIADaQrVCArUF7ha"
}
```

## Cadastrar Lista (POST): <http://localhost:3333/notes>

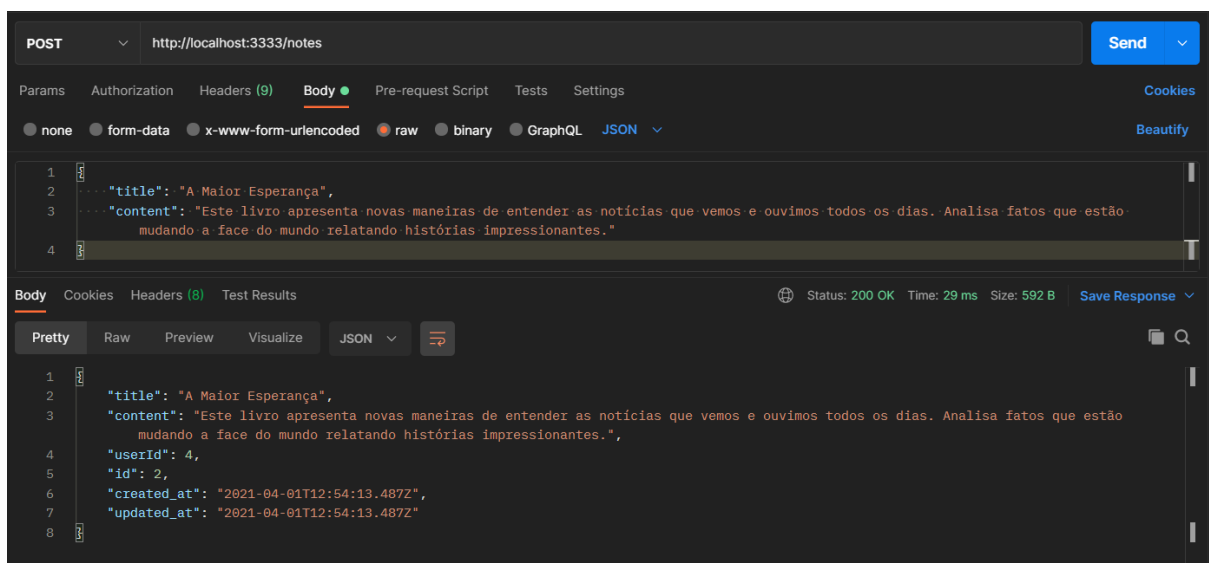
### Adicionando Token no “Headers”



The screenshot shows the Postman interface for a POST request to `http://localhost:3333/notes`. The **Headers** tab is selected, showing 9 headers. One header is visible: **Authorization** with the value `Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6IjE0IiwiaWF0IjoiYXNjaWUzIiwiaXNjaWUzIjoiYXNjaWUzIn0`. The interface also shows a **Response** section with a rocket icon and the text "Hit Send to get a response".

KEY	VALUE	DESCRIPTION
Authorization	Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6IjE0IiwiaWF0IjoiYXNjaWUzIiwiaXNjaWUzIjoiYXNjaWUzIn0	

### Inserindo Lista no “Body”



The screenshot shows the Postman interface for a POST request to `http://localhost:3333/notes`. The **Body** tab is selected, and the **raw** radio button is chosen. The body content is a JSON object:

```
{  "title": "A Maior Esperança",  "content": "Este livro apresenta novas maneiras de entender as notícias que vemos e ouvimos todos os dias. Analisa fatos que estão mudando a face do mundo relatando histórias impressionantes."}
```

The interface also shows the **Test Results** section with a status of **200 OK**, a time of **29 ms**, and a size of **592 B**. The **Save Response** button is visible.

Listagem (GET): <http://localhost:3333/notes>

### Adicionando Token no “Headers”

The screenshot shows a REST client interface with the following details:

- Method:** GET
- URL:** http://localhost:3333/notes
- Send Button:** A blue button labeled "Send" with a dropdown arrow.
- Headers Tab:** The "Headers" tab is selected, showing 7 headers. One header is visible: "Authorization" with a value starting with "Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6...".
- Response Area:** The "Response" section is empty, displaying a rocket launch icon and the text "Hit Send to get a response".

### Buscando todos os itens

The screenshot shows the REST client interface after sending the request. The "Body" tab is selected, displaying the response in JSON format:

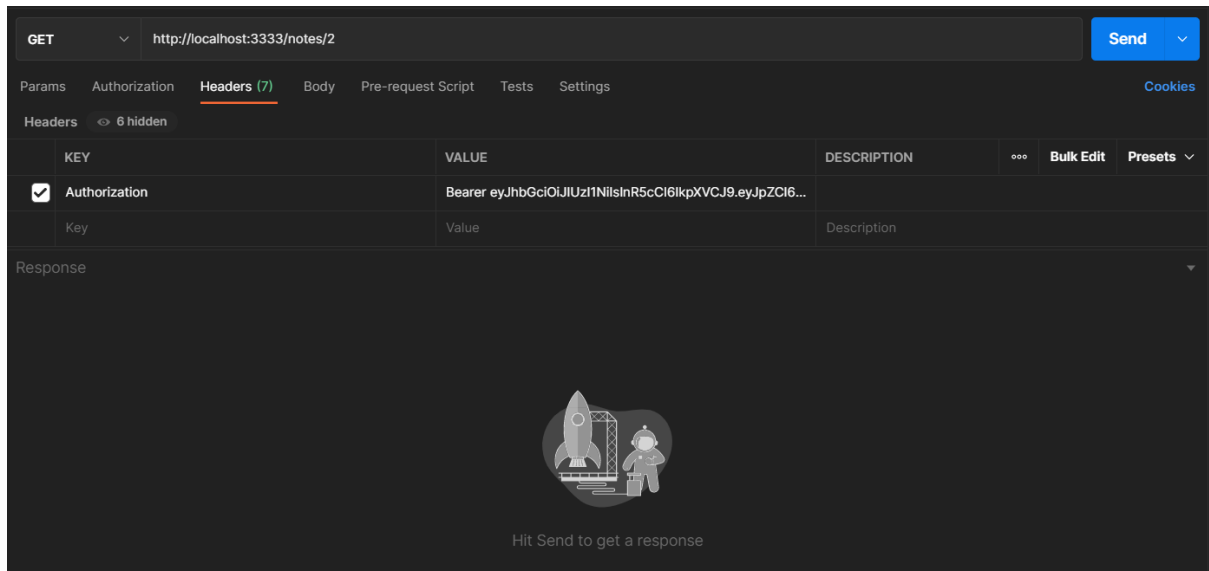
```
1 {
2   "id": 2,
3   "title": "A Maior Esperança",
4   "content": "Este livro apresenta novas maneiras de entender as notícias que vemos e ouvimos todos os dias. Analisa fatos que estão mudando a face do mundo relatando histórias impressionantes.",
5   "created_at": "2021-04-01T12:54:13.487Z",
6   "updated_at": "2021-04-01T12:54:13.487Z"
7 },
8 {
9   "id": 3,
10  "title": "Sacrifício de Isaac",
11  "content": "O livro relata ainda que Ismael ficou feliz pelo sacrifício de Isaac, já que imaginou que ficaria com toda a herança de Abraão.",
12  "created_at": "2021-04-01T13:02:51.233Z",
13  "updated_at": "2021-04-01T13:02:51.233Z"
14 }
15 }
```

Additional details from the interface:

- Status:** 200 OK
- Time:** 6 ms
- Size:** 847 B
- Save Response:** A button to save the response.

Listagem (GET/:id): <http://localhost:3333/notes/:id>

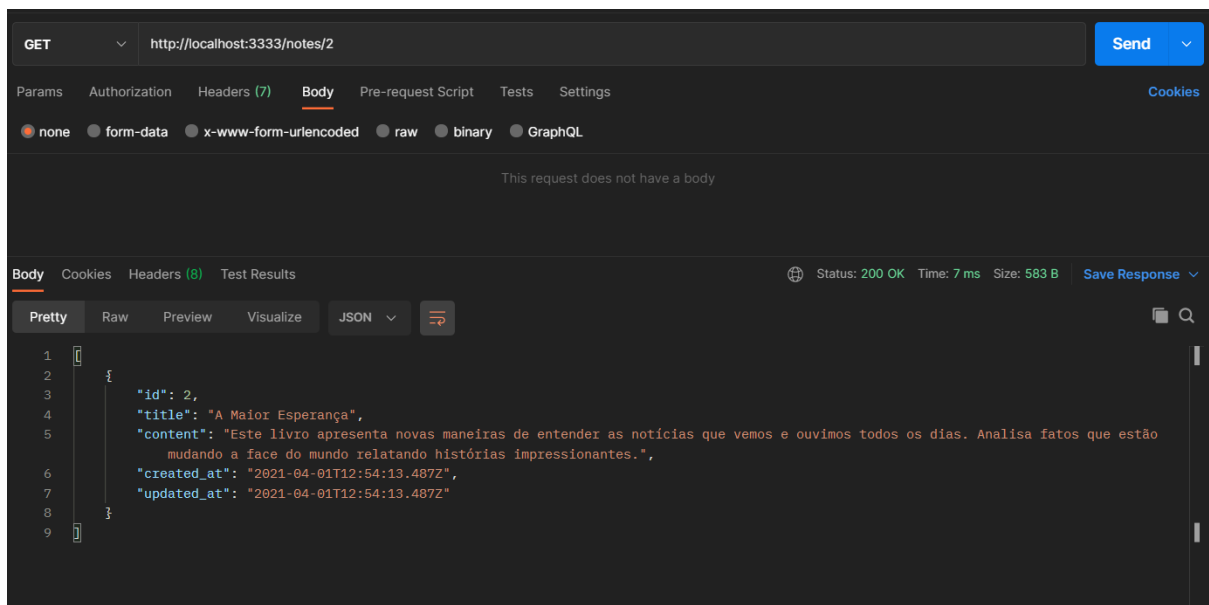
## Adicionando Token no “Headers”



The screenshot shows the Postman interface for a GET request to `http://localhost:3333/notes/2`. The **Headers** tab is selected, showing 7 headers. An **Authorization** header is added with the value `Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6Mj0.eyJpZCI6Mj0.eyJpZCI6Mj0`. The response area shows a rocket icon and the text "Hit Send to get a response".

KEY	VALUE	DESCRIPTION
<input checked="" type="checkbox"/> Authorization	Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6Mj0.eyJpZCI6Mj0.eyJpZCI6Mj0	
Key	Value	Description

## Buscando item pelo “id”



The screenshot shows the Postman interface for a GET request to `http://localhost:3333/notes/2`. The **Body** tab is selected, showing the response in JSON format. The status is 200 OK, time is 7 ms, and size is 583 B. The response body is:

```
{
  "id": 2,
  "title": "A Maior Esperança",
  "content": "Este livro apresenta novas maneiras de entender as notícias que vemos e ouvimos todos os dias. Analisa fatos que estão mudando a face do mundo relatando histórias impressionantes.",
  "created_at": "2021-04-01T12:54:13.487Z",
  "updated_at": "2021-04-01T12:54:13.487Z"
}
```

Atualizar (PUT:id) <http://localhost:3333/notes/:id>

### Adicionando Token no “Headers”

The screenshot shows the Postman interface for a PUT request to `http://localhost:3333/notes/3`. The **Headers** tab is selected, showing a table with one header:

KEY	VALUE	DESCRIPTION
Authorization	Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6...	

Below the headers, the **Response** section is visible, showing a rocket and astronaut icon and the text "Hit Send to get a response".

### Atualizando Item

The screenshot shows the Postman interface for a PUT request to `http://localhost:3333/notes/3`. The **Body** tab is selected, showing a JSON body:

```
1 {
2   "content": "0 livro relata ainda que Ismael ficou feliz pelo sacrificio de Isaac."
3 }
```

Below the body, the **Test Results** section is visible, showing the status: **200 OK**, Time: **84 ms**, Size: **472 B**. The **Body** tab is also selected, showing the response in JSON format:

```
1 {
2   "id": 3,
3   "title": "Sacrificio de Isaac",
4   "content": "0 livro relata ainda que Ismael ficou feliz pelo sacrificio de Isaac.",
5   "created_at": "2021-04-01T13:02:51.233Z",
6   "updated_at": "2021-04-01T14:01:43.000Z"
7 }
```

Deletar (DELETE:id) <http://localhost:3333/notes/:id>

### Adicionando Token no “Headers”

The screenshot shows the Postman interface for a DELETE request to `http://localhost:3333/notes/3`. The **Headers** tab is selected, showing a table with one header:

KEY	VALUE	DESCRIPTION
<input checked="" type="checkbox"/> Authorization	Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6...	

Below the headers, there is a section for the response, which currently displays a rocket launch illustration.

### Apagando Item por “id”

The screenshot shows the Postman interface after sending the DELETE request. The **Body** tab is selected, displaying the JSON response in a pretty-printed format:

```
1 {
2   "raw": {
3     "fieldCount": 0,
4     "affectedRows": 1,
5     "insertId": 0,
6     "serverStatus": 2,
7     "warningCount": 0,
8     "message": "",
9     "protocol41": true,
10    "changedRows": 0
11  },
12  "affected": 1
13 }
```

The status bar at the top right indicates: Status: 200 OK, Time: 20 ms, Size: 416 B. The **Test Results** tab is also visible.

## TDD (Jest): npm run test:e2e

```
λ npm run test:e2e

> backend@0.0.1 test:e2e C:\Users\nathan_oliveira\Desktop\Prova Trampo\teste_acacia_consultoria
> jest --config ./test/jest-e2e.json

PASS test/app.e2e-spec.ts (7.588 s)
  AppController (e2e)
    ✓ / (GET) (559 ms)
    ✓ /users (POST) (105 ms)
    ✓ /login (POST) (48 ms)
    ✓ /notes (POST) (30 ms)
    ✓ /notes (GET) (19 ms)
    ✓ /notes/:id (GET) (20 ms)
    ✓ /notes/:id (PUT) (26 ms)
    ✓ /notes/:id (DELETE) (24 ms)

Test Suites: 1 passed, 1 total
Tests:      8 passed, 8 total
Snapshots:  0 total
Time:       7.723 s, estimated 8 s
Ran all test suites.
```