

SW-II

SISTEMAS WEB II

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AULA 14 – APIs com NODE e Banco de Dados

Route Params

Route Params (GET / PUT / DELETE)

Buscar, deletar ou editar algo específico

get servidor.com/usuários/22

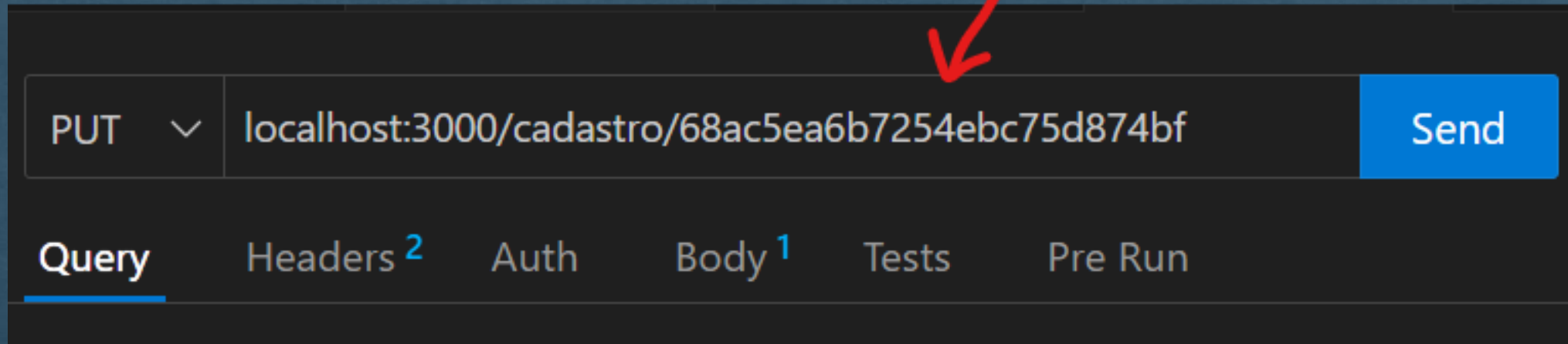
put servidor.com/usuários/22

delete servidor.com/usuários/22

Iniciando

1. **Clonar repositório**
2. **npm i**
3. **npx prisma db push**
4. **node server.js**
5. **Testar o GET**
6. **Testar o POST**
7. **Testar o GET**

Thunder Client – Criar requisição de PUT



The image shows the Thunder Client interface for creating a PUT request. The URL bar contains 'localhost:3000/cadastro/68ac5ea6b7254ebc75d874bf'. A red arrow points from the handwritten text 'id' to the UUID part of the URL. Below the URL bar are tabs for 'Query', 'Headers', 'Auth', 'Body', 'Tests', and 'Pre Run'. The 'Query' tab is currently selected.

PUT	localhost:3000/cadastro/68ac5ea6b7254ebc75d874bf	Send
Query	Headers ²	Auth
Body ¹	Tests	Pre Run

Criar a rota de PUT

```
29 app.put('/cadastro/:id', async (req, res) => {
30
31     await prisma.usuario.update({
32         where: {
33             id: req.params.id
34         },
35         data: {
36             email: req.body.email,
37             nome: req.body.nome,
38             idade: req.body.idade
39         }
40     })
41
42     res.status(201).json(req.body)
43 })
```


Testar no Thunder Client

PUT localhost:3000/cadastro/68ac5ea6b7254ebc75d874bf Send

Query Headers² Auth Body¹ Tests Pre Run

JSON XML Text Form Form-encode GraphQL Binary

JSON Content Format

```
1 {  
2   "nome": "Prof Anderson",  
3   "idade": "51",  
4   "email": "vanin@email.com"  
5 }
```

VALOR NOVO

Status: 201 Created Size: 63 Bytes Time: 342 ms

Response Headers⁶ Cookies Results Docs

```
1 {  
2   "nome": "Prof Anderson",  
3   "idade": "51",  
4   "email": "vanin@email.com"  
5 }
```

Testar o GET

GET localhost:3000/cadastro/ Send

Query Headers 2 Auth Body Tests Pre Run

Query Parameters

☐

parameter

value

Status: 200 OK Size: 732 Bytes Time: 14 ms

Response Headers 6 Cookies Results Docs

```
37 },
38 {
39   "id": "68a4740224b592369e6344d6",
40   "email": "etec@email.com",
41   "nome": "Etec",
42   "idade": "20"
43 },
44 {
45   "id": "68ac5ea6b7254ebc75d874bf",
46   "email": "vanin@email.com",
47   "nome": "Prof Anderson",
48   "idade": "51"
49 }
50 ]
```

←
Atualizado

Criar a rota de DELETE

```
5 app.delete('/cadastro/:id', async (req, res) => {  
6  
7     await prisma.usuario.delete({  
8         where: {  
9             id: req.params.id  
10        }  
11    })  
12  
13    res.status(200).json({ "message": "Usuário Deletado com sucesso!" })  
14 })
```


Testar no Thunder Client

DELETE

▼

localhost:3000/cadastro/68ac5ea6b7254ebc75d874bf

Send

Query

Headers²

Auth

Body

Tests

Pre Run

JSON

XML

Text

Form

Form-encode

GraphQL

Binary

JSON Content

Format

1

Status: 200 OK

Size: 44 Bytes

Time: 468 ms

Response

Headers⁶

Cookies

Results

Docs

1 {

2 "message": "Usuário Deletado com sucesso!"

3 }

Testar GET

GET ▼localhost:3000/cadastro/ Send

QueryHeaders²AuthBodyTestsPre Run

Query Parameters

☐


parameter

value

Status: 200 OKSize: 636 BytesTime: 13 ms

ResponseHeaders⁶CookiesResultsDocs

```
29      "nome": "Fulana",
30      "idade": "23"
31    },
32    {
33      "id": "68a46267a0332343577c8192",
34      "email": "joaquina@email.com",
35      "nome": "Joaquina",
36      "idade": "30"
37    },
38    {
39      "id": "68a4740224b592369e6344d6",
40      "email": "etec@email.com",
41      "nome": "Etec",
42      "idade": "20"
43    }
44  ]
```

 REMOVIDO!

Response Chart

Query Params

Query Params (GET)

Consultas

`servidor.com/usuários?estado=bahia&cidade=salvador`

Rota GET genérica

```
//Lista com filtro query params
app.get('/cadastro', async (req,res)=>{

    let filtro_usuarios = []

    if(req.query){
        filtro_usuarios = await prisma.usuario.findMany({
            where:{
                nome: req.query.nome
            }
        })
    }else{
        filtro_usuarios = await prisma.usuario.findMany()
    }

    res.status(200).json(filtro_usuarios)
})
```

Testar no Thunder Client

GET ⌵ localhost:3000/cadastro?nome=Joaquina Send

Query

Headers²

Auth

Body

Tests

Pre Run

Query Parameters

☒ nome

Joaquina

⌵

☐ parameter

value

Status: 200 OK Size: 95 Bytes Time: 13 ms

Response

Headers⁶

Cookies

Results

Docs

```
1  [  
2    {  
3      "id": "68a46267a0332343577c8192",  
4      "email": "joaquina@email.com",  
5      "nome": "Joaquina",  
6      "idade": "30"  
7    }  
8  ]
```