

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer

- postgres
  - sprint4
    - Cast
    - Catalogs
    - Event Triggers
    - Extensions
    - Foreign Data Wrappers
    - Languages
    - Publications
    - Schemas (1)
      - public
        - Aggregates
        - Collations
        - Domains
        - FTS Configurations
        - FTS Dictionaries
        - FTS Parsers
        - FTS Templates
        - Foreign Tables
        - Functions
        - Materialized Views
        - Operators
        - Procedures
        - Sequences
        - Tables (3)
          - ponto
          - spatial\_ref\_sys
          - user
        - Trigger Functions
        - Types
        - Views

Properties SQL Statistics Dependencies Dependents Processes public.ponto/sprint4/postgres@PostgreSQL 16 public.user/sprint4...

public.ponto/sprint4/postgres@PostgreSQL 16

Query Query History

```
1 SELECT * FROM public.ponto
2 ORDER BY id ASC
```

Scratch Pad

Data Output Messages Geometry Viewer Notifications

Leaflet | © OpenStreetMap

Total rows: 3 Query complete 00:00:00.167

22°C Ensolarado

Pesquisar

14:43 13/07/2025

File Edit Selection View Go Run Terminal Help Sprint4

EXPLORER

- SPRINT4
  - .pytest\_cache
  - app
    - \_\_pycache\_\_
  - models
    - \_\_pycache\_\_
  - Ponto.py
  - User.py
  - routes
    - \_\_pycache\_\_
  - api\_routes.py
  - services
    - \_\_pycache\_\_
  - ponto\_service.py
  - user\_service.py
  - \_\_init\_\_.py
  - database.py
  - tests
    - \_\_pycache\_\_
    - \_\_init\_\_.py
    - conftest.py
    - test\_api.py
  - .gitignore
  - requirements.txt
  - run.py

OUTLINE

TIMELINE

test\_api.py M X

```
tests > test_api.py > test_remove_ponto_sucesso
96 | assert response.json['alteracoes']['descricao']['nova'] == 'Ponto Alterado'
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

PS C:\Users\joaop\OneDrive\Área de Trabalho\Sprint4> pytest -v

test session starts =====

platform win32 -- Python 3.12.4, pytest-8.4.1, pluggy-1.6.0 -- C:\Users\joaop\AppData\Local\Programs\Python\Python312\python.exe

cachedir: .pytest\_cache

rootdir: C:\Users\joaop\OneDrive\Área de Trabalho\Sprint4

plugins: anyio-4.6.2.post1

collected 11 items

tests/test\_api.py::test\_listar\_usuarios\_vazio PASSED [ 9%]

tests/test\_api.py::test\_adicionar\_usuario PASSED [ 18%]

tests/test\_api.py::test\_adicionar\_usuario\_duplicado PASSED [ 27%]

tests/test\_api.py::test\_listar\_usuarios\_com\_um\_usuario PASSED [ 36%]

tests/test\_api.py::test\_adicionar\_ponto PASSED [ 45%]

tests/test\_api.py::test\_adicionar\_ponto\_com\_senha\_errada PASSED [ 54%]

tests/test\_api.py::test\_listar\_todos\_os\_pontos PASSED [ 63%]

tests/test\_api.py::test\_alterar\_usuario\_sucesso PASSED [ 72%]

tests/test\_api.py::test\_remove\_usuario\_sucesso PASSED [ 81%]

tests/test\_api.py::test\_alterar\_ponto\_sucesso PASSED [ 90%]

tests/test\_api.py::test\_remove\_ponto\_sucesso PASSED [100%]

===== 11 passed in 2.58s =====

PS C:\Users\joaop\OneDrive\Área de Trabalho\Sprint4>

powerShell

powerShell

powerShell

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Pesquisar

Duo

Not Committed Yet

Ln 99, Col 61

Spaces: 4

UTF-8

CRLF

Python

Quota reached

3.12.4

Prettier

14:34

13/07/2025

Insomnia

Application File Edit View Window Tools Help

Search... Ctrl + P

My first collection Run

GET http://127.0.0.1:8080/ListarTodosPontos Send 200 OK 31 ms 425 B Just Now

Params 1 Body Auth Headers 3 Scripts Docs

URL PREVIEW

http://127.0.0.1:8080/ListarTodosPontos?

QUERY PARAMETERS

+ Add - Delete all - Description

| # | name | value |
|---|------|-------|
|---|------|-------|

PATH PARAMETERS

Path parameters are url path segments that start with a colon ":" e.g. "id"

Preview

```
1 {
2   {
3     "autor": {
4       "email": "joaopedro@lobo.com",
5       "id": 3,
6       "senha": "joao"
7     },
8     "descricao": "UFMG",
9     "id": 1,
10    "latitude": -13.0,
11    "longitude": -43.0,
12    "user_id": 3
13  },
14  {
15    "autor": {
16      "email": "test@gmail.com",
17      "id": 1,
18      "senha": "teste"
19    },
20    "descricao": "Supermercado BH",
21    "id": 1,
22    "latitude": -61.0,
23    "longitude": -50.0,
24    "user_id": 1
25  }
26 }
```

\$.store.books[\*].author

Principais Notícias UE prorroga sus...

Pesquisar

13:45 13/07/2025

Insomnia

Application File Edit View Window Tools Help

Search... Ctrl + P

My first collection Run

Base Environment  
Add Cookies  
Add Certificates

Filter

- POST Adicionar Usuário
- POST Remover Usuário
- POST Alterar Usuário
- GET Listar Usuários
- POST Adicionar Ponto
- POST Remover Ponto
- POST Alterar Ponto
- GET Listar Pontos de um Usuário
- GET Listar Todos os Pontos

GET http://127.0.0.1:8080/ListarPontos Send 200 OK 30 ms 210 B Just Now

Params 1 Body Auth Headers 3 Scripts Docs

URL PREVIEW  
http://127.0.0.1:8080/ListarPontos?id=3

QUERY PARAMETERS  
+ Add - Delete all - Description

| # | id |  |
|---|----|--|
| 1 | 3  |  |

PATH PARAMETERS  
Path parameters are url path segments that start with a colon ":" e.g. "id"

Preview Headers 3 Cookies Tests 0/0 Mock Console

```
1 {  
2 {  
3   "autor": {  
4     "email": "joaopedro@lobo.com",  
5     "id": 3,  
6     "senha": "joao"  
7   },  
8   "descricao": "UFMG",  
9   "id": 1,  
10  "latitude": -13.0,  
11  "longitude": -43.0,  
12  "user_id": 3  
13 }  
14 }
```

\$.store.books[\*].author

Preferences

Principais Notícias  
UE prorroga sus...

Pesquisar

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13/07/2025

Insomnia

Application File Edit View Window Tools Help

My first collection

Base Environment

Add Cookies

Add Certificates

Filter

- POST Adicionar Usuário
- POST Remover Usuário
- POST Alterar Usuário
- GET Listar Usuários
- POST Adicionar Ponto
- POST Remover Ponto
- POST Alterar Ponto
- GET Listar Pontos de um Usuário
- GET Listar Todos os Pontos

os Po... x POST Adicionar Usuário x POST Remover Usuário x POST Alterar Usuário x POST Adicionar Ponto x POST Remover Ponto x POST Alterar Ponto x +

POST http://127.0.0.1:8080/AlterarPonto Send 200 OK 41 ms 208 B Just Now

Params 3 Body Auth Headers 3 Scripts Docs

URL PREVIEW

http://127.0.0.1:8080/AlterarPonto?id=3&email=teste@gmail.com&senha=teste&latitude=-61&longitude=-50

QUERY PARAMETERS

Import from URL Bulk Edit

| id        | 3               |  |
|-----------|-----------------|--|
| email     | teste@gmail.com |  |
| senha     | teste           |  |
| latitude  | -61             |  |
| longitude | -50             |  |

PATH PARAMETERS

Path parameters are url path segments that start with a colon ":" e.g. "id"

Preview

```
1 {
2   "alteracoes": {
3     "latitude": {
4       "antiga": 50.0,
5       "nova": -61.0
6     },
7     "longitude": {
8       "antiga": -60.0,
9       "nova": -50.0
10    }
11  },
12  "mensagem": "Ponto atualizado com sucesso"
13 }
```

\$.store.books[\*].author

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Pesquisar

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Search... Ctrl + P

My first collection Run

Base Environment  
Add Cookies  
Add Certificates

Filter

- POST Adicionar Usuário
- POST Remover Usuário
- POST Alterar Usuário
- GET Listar Usuários
- POST Adicionar Ponto
- POST Remover Ponto
- POST Alterar Ponto
- GET Listar Pontos de um Usuário
- GET Listar Todos os Pontos

POST http://127.0.0.1:8080/RemoverPonto Send 200 OK 43 ms 379 B Just Now

Params 3 Body Auth Headers 3 Scripts Docs

URL PREVIEW  
http://127.0.0.1:8080/RemoverPonto?id=2&email=joapedro%40lobo.com&senha=joao

QUERY PARAMETERS

| id    | 2                 |  |
|-------|-------------------|--|
| email | joapedro@lobo.com |  |
| senha | joao              |  |

PATH PARAMETERS

Path parameters are url path segments that start with a colon ":" e.g. "id"

Preview Headers 3 Cookies Tests 0/0 Mock Console

```
1 {  
2   "mensagem": "Ponto removido com sucesso",  
3   "ponto_removido": {  
4     "autor": {  
5       "email": "joapedro@lobo.com",  
6       "id": 3,  
7       "senha": "joao"  
8     },  
9     "descricao": "Farmacia",  
10    "id": 2,  
11    "latitude": -30.0,  
12    "longitude": -110.0,  
13    "user_id": 3  
14  },  
15  "proprietario_do_ponto": {  
16    "email": "joapedro@lobo.com",  
17    "id": 3,  
18    "senha": "joao"  
19  }  
20 }
```

\$.store.books[\*].author

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Pesquisar

13:44 13/07/2025

Insomnia

Application File Edit View Window Tools Help

Search... Ctrl + P

My first collection

Base Environment

Add Cookies

Add Certificates

Filter

POST Adicionar Usuário

POST Remover Usuário

POST Alterar Usuário

GET Listar Usuários

POST Adicionar Ponto

POST Remover Ponto

POST Alterar Ponto

GET Listar Pontos de um Usuário

GET Listar Todos os Pontos

POST http://127.0.0.1:8080/AdicionarPonto

Send 201 CREATED 78 ms 373 B

Params 3 Body Auth Headers 3 Scripts Docs

URL PREVIEW

http://127.0.0.1:8080/AdicionarPonto?email=joao@lobo.com&senha=joao&latitude=-13&longitude=-43&descricao=UFMG

QUERY PARAMETERS

Import from URL Bulk Edit

+ Add Delete all Description

| email     | joao@lobo.com |  |  |
|-----------|---------------|--|--|
| senha     | joao          |  |  |
| latitude  | -13           |  |  |
| longitude | -43           |  |  |
| descricao | UFMG          |  |  |

PATH PARAMETERS

Path parameters are url path segments that start with a colon ":" e.g. "id"

Preview

Headers 3 Cookies Tests 0/0 Mock Console

```
1 {
2   "mensagem": "Ponto adicionado com sucesso",
3   "ponto_criado": {
4     "autor": {
5       "email": "joao@lobo.com",
6       "id": 3,
7       "senha": "joao"
8     },
9     "descricao": "UFMG",
10    "id": 1,
11    "latitude": -13.0,
12    "longitude": -43.0,
13    "user_id": 3
14  },
15  "usuario_proprietario": {
16    "email": "joao@lobo.com",
17    "id": 3,
18    "senha": "joao"
19  }
20 }
```

\$.store.books[\*].author

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Pesquisar

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Insomnia

ApplicationFileEditViewWindowToolsHelp

My first collection

Run

Base Environment

Add Cookies

Add Certificates

Filter

POSTAdicionar Usuário

POSTRemover Usuário

POSTAlterar Usuário

GETListar Usuários

POSTAdicionar Ponto

POSTRemover Ponto

POSTAlterar Ponto

GETListar Pontos de um Usuário

GETListar Todos os Pontos

GETListar Usuários

GETListar Todos os Po...

POSTAdicionar Usuário

POSTRemover Usuário

POSTAlterar Usuário

+

GEThttp://127.0.0.1:8080/ListarUsuarios

Send

200 OK

26 ms

154 B

Just Now

ParamsBodyAuthHeaders3ScriptsDocs

URL PREVIEW

http://127.0.0.1:8080/ListarUsuarios

QUERY PARAMETERS

Import from URIBulk Edit

+ AddDelete allDescription

| # | name | value |
|---|------|-------|
|---|------|-------|

PATH PARAMETERS

Path parameters are url path segments that start with a colon ":" e.g. "id"

PreviewHeaders3CookiesTests0/0MockConsole

Preview

```
1 {
2   {
3     "email": "test@gmail.com",
4     "id": 1,
5     "senha": "teste"
6   },
7   {
8     "email": "joapedra@lobo.com",
9     "id": 3,
10    "senha": "joao"
11  }
12 }
```

\$store.books[\*].author

22°C

Pred ensolarado

Pesquisar

13:40

13/07/2025



Insomnia

Application File Edit View Window Tools Help

Search... Ctrl + P

My first collection Run

Base Environment  
Add Cookies  
Add Certificates

Filter

- POST Adicionar Usuário
- POST Remover Usuário
- POST Alterar Usuário
- GET Listar Usuário
- POST Adicionar Ponto
- POST Remover Ponto
- POST Alterar Ponto
- GET Listar Pontos de um Usuário
- GET Listar Todos os Pontos

POST http://127.0.0.1:8080/AlterarUsuario Send 200 OK 30 ms 234 B Just Now

Params 4 Body Auth Headers 3 Scripts Docs

URL PREVIEW  
http://127.0.0.1:8080/AlterarUsuario?email\_atual=joao%40lobo.com&senha\_atual=123&nova\_senha=joao&novo\_email=joapedro%40lobo.com

QUERY PARAMETERS Import from URL Bulk Edit

| email_atual | joao@lobo.com     |  |  |
|-------------|-------------------|--|--|
| senha_atual | 123               |  |  |
| nova_senha  | joao              |  |  |
| novo_email  | joapedro@lobo.com |  |  |

PATH PARAMETERS

Path parameters are url path segments that start with a colon ":" e.g. "id"

Preview Headers 3 Cookies Tests 0/0 Mock Console

```
1 {  
2   "alteracoes": {  
3     "email": {  
4       "antigo": "joao@lobo.com",  
5       "novo": "joapedro@lobo.com"  
6     },  
7     "senha": {  
8       "antiga": "123",  
9       "nova": "joao"  
10    }  
11  },  
12  "mensagens": "Usuário atualizado com sucesso"  
13 }
```

\$.store.books[\*].author

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Pesquisar

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Insomnia

Application File Edit View Window Tools Help

Search... Ctrl + P

My first collection

Base Environment

Add Cookies

Add Certificates

Filter

POST Adicionar Usuário

POST Remover Usuário

POST Alterar Usuário

GET Listar Usuário

POST Adicionar Ponto

POST Remover Ponto

POST Alterar Ponto

GET Listar Pontos de um Usuário

GET Listar Todos os Pontos

POST http://127.0.0.1:8080/RemoverUsuario

Send 200 OK 58 ms 155 B

Params 1 Body Auth Headers 3 Scripts Docs

URL PREVIEW

http://127.0.0.1:8080/RemoverUsuario?id=4

QUERY PARAMETERS

Import from URL Bulk Edit

+ Add Delete all Description

| # | id |  |
|---|----|--|
| 1 | 4  |  |

PATH PARAMETERS

Path parameters are url path segments that start with a colon ":" e.g. "id"

Preview

Headers 3 Cookies Tests 0/0 Mock Console

```
1 {
2   "mensagem": "Usuário removido com sucesso",
3   "usuario_removido": {
4     "email": "crazyred@gmail.com",
5     "id": 4,
6     "senha": "61eterno"
7   }
8 }
```

\$.store.books[\*].author

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Pesquisar

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Insomnia

Application File Edit View Window Tools Help

Search... Ctrl + P

My first collection Run

Base Environment  
Add Cookies  
Add Certificates

Filter

POST Adicionar Usuário  
POST Remover Usuário  
POST Alterar Usuário  
GET Listar Usuário  
POST Adicionar Ponto  
POST Remover Ponto  
POST Alterar Ponto  
GET Listar Pontos de um Usuário  
GET Listar Todos os Pontos

POST http://127.0.0.1:8080/AdicionarUsuario Send 201 CREATED 41 ms 70 B Just Now

Params 2 Body Auth Headers 3 Scripts Docs

URL PREVIEW  
http://127.0.0.1:8080/AdicionarUsuario?email=cruzeiro%40email.com&senha=61eterno

QUERY PARAMETERS Import from URL Bulk Edit

+ Add Delete all Description

# email cruzeiro@email.com  
# senha 61eterno

PATH PARAMETERS

Path parameters are url path segments that start with a colon ":" e.g. ":id"

Preview Headers 3 Cookies Tests 0/0 Mock Console

```
1 {  
2   "email": "cruzeiro@email.com",  
3   "id": 4,  
4   "senha": "61eterno"  
5 }
```

\$.store.books[\*].author

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Pesquisar

13:37 13/07/2025