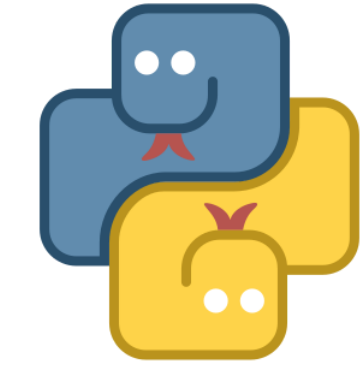
Jordy Araújo



grupy.rn

# Flask

Flask

web development,
one drop at a time

# Flask

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(.venv) user@PC:~/projeto$ pip install flask
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Collecting importlib-metadata>=3.6.0; python_version <
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(sempre crie uma venv)

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Collecting itsdangerous>=2.0
  Using cached itsdangerous-2.1.2-py3-none-any.whl (15 kB)
Collecting Jinja2>=3.0
  Using cached Jinja2-3.1.2-py3-none-any.whl (133 kB)
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(sempre crie uma venv)

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Collecting zipp>=0.5
  Using cached zipp-3.8.1-py3-none-any.whl (5.6 kB)
Collecting MarkupSafe>=2.1.1
  Using cached MarkupSafe-2.1.1-cp38-cp38-
  manylinux_2_17_x86_64.manylinux2014_x86_64.whl (25 kB)
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  MarkupSafe, Werkzeug, itsdangerous, Jinja2, click, flask
Successfully installed Jinja2-3.1.2 MarkupSafe-2.1.1
  Werkzeug-2.2.2 click-8.1.3 flask-2.2.2 importlib-
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# O mínimo do mínimo

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def create_app():
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  def ola_mundo():
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  @app.route('/ola/<nome>')
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    return f'Olá, {nome}!'

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# C.r.u.d.

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from flask import Flask, render_template


def create_app():
  app = Flask(__name__)

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  @app.route('/cadastrar')
  def form_cadastrar():
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# C.r.u.d.

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<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE
  <meta name="viewport" content="width=device-wi
  <title>Cadastrar</title>
</head>
<body>
  <form action="/cadastrar" method="post">
    <input type="text" name="nome" id="">
    <button type="submit">Enviar</button>
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# C.r.u.d.

```
 1 import sqlite3
 2
 3 import click
 4 from flask import current_app, g
 5
 6
 7 def get_db():
 8   if 'db' not in g:
 9     g.db = sqlite3.connect(
10       current_app.config['DATABASE'],
11       detect_types=sqlite3.PARSE_DECLTYPES
12     )
13     g.db.row_factory = sqlite3.Row
14
15   return g.db
16
17
```

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18 def close_db(e=None):
```

# C.r.u.d.

```
12      )
13      g.db.row_factory = sqlite3.Row
14
15    return g.db
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17
18  def close_db(e=None):
19    db = g.pop('db', None)
20
21    if db is not None:
22      db.close()
23
24
25  def init_db():
26    db = get_db()
27
```

# C.r.u.d.

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18 def close_db(e=None):
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21   if db is not None:
22     db.close()
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24
25 def init_db():
26   db = get_db()
27
28   with current_app.open_resource('schema.sql') a
29     db.executescript(f.read().decode('utf8'))
30
31
32 @click.command('init-db')
33 def init_db_command():
34   init_db()
35   click.echo('Banco de dados inicializado.')
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# C.r.u.d.

```
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38 def init_app(app):
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```

# C.r.u.d.

```sql
DROP TABLE IF EXISTS pessoa;

CREATE TABLE pessoa (
  id INTEGER PRIMARY KEY AUTOINCREMENT,
  nome TEXT UNIQUE NOT NULL
);
```

# C.r.u.d.

```
 1 import os
 2 import db
 3
 4 from flask import Flask, render_template, reques
 5
 6
 7 def create_app():
 8   app = Flask(__name__)
 9   try:
10     os.makedirs(app.instance_path)
11   except OSError:
12     pass
13
14   app.config.from_mapping(
15     DATABASE=os.path.join(app.instance_path, f'{
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18   db.init_app(app)
19
20   @app.route('/ola')
21   def ola_mundo():
22     return '<h1>Olá, mundo!</h1>'
```

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from flask import Flask, render_template, reques


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33  @app.route('/cadastrar', methods=['POST'])
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35    nome = request.form['nome']
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38      "INSERT INTO pessoa (nome) VALUES (?)",
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41      banco.commit()
42
43      return f'Olá, {nome}!'
44
45    @app.route('/listar')
46    def listar():
47      banco = db.get_db()
48      pessoas = banco.execute(
49        'SELECT * FROM pessoa ORDER BY id DESC'
50      ).fetchall()
51      return render_template('listar.html', pessoa
```

# c.R.u.d.

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36      banco = db.get_db()
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38        "INSERT INTO pessoa (nome) VALUES (?)",
39        [nome],
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43      return f'Olá, {nome}!'
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  <ul>
    {% for pessoa in pessoas %}
      <li>
        {{ pessoa['nome'] }}
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    {% endfor %}
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 4 from flask import Flask, render_template, reques
 5
 6
 7 def create_app():
 8   app = Flask(__name__)
 9
10   try:
11     os.makedirs(app.instance_path)
12   except OSError:
13     pass
14
15   app.config.from_mapping(
16     DATABASE=os.path.join(app.instance_path, f'{
17   )
```

# c.R.u.d.

```
34    def cadastrar():
35      nome = request.form['nome']
36      banco = db.get_db()
37      banco.execute(
38        "INSERT INTO pessoa (nome) VALUES (?)",
39        [nome],
40      )
41      banco.commit()
42
43      return redirect("listar")
44
45    @app.route('/listar')
46    def listar():
47      banco = db.get_db()
48      pessoas = banco.execute(
49        'SELECT * FROM pessoa ORDER BY id DESC'
50      ).fetchall()
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56      pessoa = banco.execute(
57        'SELECT * FROM pessoa WHERE id = (?)',
58        [id]
59      ).fetchone()
60      return render_template('editar.html', pessoa
61
```

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  <form action="/atualizar" method="post">
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68        'UPDATE pessoa SET nome = ? WHERE id = ?',
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  <title>Listar</title>
</head>
<body>
  <ul>
    {% for pessoa in pessoas %}
      <li>
        {{ pessoa['nome'] }}
        - <a href="/{{ pessoa['id'] }}/editar">E
      </li>
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82      return redirect(url_for("listar"))
```

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