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Disciplina: Desenvolvimento de Sistemas

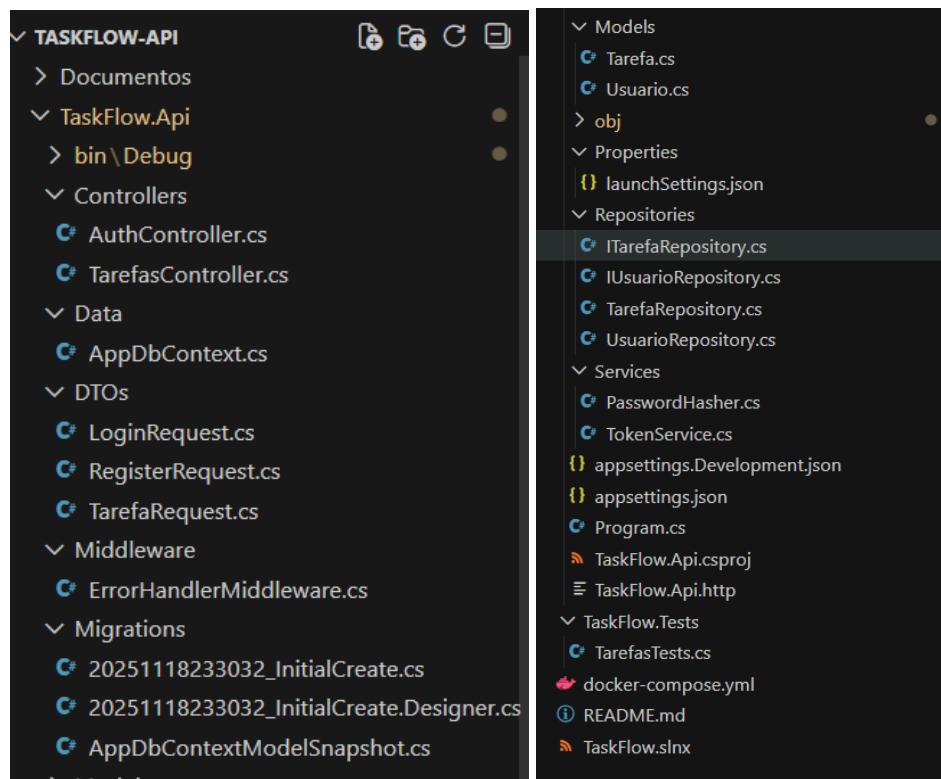
Projeto: TaskFlow API

Data: 24/11/2025

Introdução

O documento apresenta as evidências de funcionamento do sistema.

Estrutura



Inicialização da API

```
info: Microsoft.Hosting.Lifetime[14]
      Now listening on: http://localhost:5092
info: Microsoft.Hosting.Lifetime[0]
      Application started. Press Ctrl+C to shut down.
info: Microsoft.Hosting.Lifetime[0]
      Hosting environment: Development
info: Microsoft.Hosting.Lifetime[0]
      Content root path: C:\Users\lopap\taskflow-api\TaskFlow.Api
```

Swagger Funcionando

The screenshot shows the Swagger UI interface for a RESTful API. It includes sections for 'Auth' and 'Tarefas'. The 'Auth' section contains endpoints for registration and login. The 'Tarefas' section contains endpoints for listing, creating, updating, deleting, and retrieving tasks.

- Auth:**
 - POST /api/auth/register** (Green button)
 - POST /api/auth/login** (Green button)
- Tarefas:**
 - GET /api/tarefas** (Blue button)
 - POST /api/tarefas** (Green button)
 - PUT /api/tarefas/{id}** (Orange button)
 - DELETE /api/tarefas/{id}** (Red button)
 - GET /api/tarefas/{id}** (Blue button)

Funcionalidades de Autenticação

Registro de Usuário

This screenshot shows the 'Responses' section for the user registration endpoint. It includes a 'Curl' command, a 'Request URL' (http://localhost:5092/api/auth/register), and a 'Server response' table.

Code	Details
200	<p>Response body</p> <pre>Usuário criado com sucesso.</pre> <p>Response headers</p> <pre>content-type: text/plain; charset=utf-8 date: Mon, 24 Nov 2025 21:52:26 GMT server: Kestrel transfer-encoding: chunked</pre>

Login de Usuário

This screenshot shows the 'Responses' section for the user login endpoint. It includes a 'Curl' command, a 'Request URL' (http://localhost:5092/api/auth/login), and a 'Server response' table.

Code	Details
200	<p>Response body</p> <pre>{ "token": "eyJhbGciOiJIUzI1NiTiInR5cC1GIkpkXVC3P.yJpZCI6IjQ1LC3leHAI0je3NjQ-NTAwNzUsImlzcyI6I1Rhc2tGbG93IiwiYXVkJjoVGFrz0Zsb3dVc2VycyJ9.nMMLXxgEjt6On1Gr5cVB15hCOPkiRn0dqPUVs-2z7w"</pre> <p>Response headers</p> <pre>content-type: application/json; charset=utf-8 date: Mon, 24 Nov 2025 21:54:35 GMT server: Kestrel transfer-encoding: chunked</pre>

Funcionalidades de Tarefa

Criar Tarefa

Curl

```
curl -X 'POST' \
  'http://localhost:5092/api/tarefas' \
  -H 'accept: */*' \
  -H 'Authorization: Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVC39eyJpZCI6IjQ1LC1leHaiOjE3NjQwNTAwNzUsImlzcyI6IIRhc2tGbG93IiwiYXVkJjoiVGFza0Zsb3dVc2Vycy39.nMLXxgEjt6On1Gr5cVBi5nCQPkhrRn0dqPUVs-2zJw' \
  -d '{
    "titulo": "Fazer Documento de Evidências",
    "descricao": "Tirar prints mostrando o sistema funcionando.",
    "status": "Em progresso"
}'
```

Request URL

```
http://localhost:5092/api/tarefas
```

Server response

Code	Details
200	<p>Response body</p> <pre>{ "id": 5, "usuarioId": 4, "titulo": "Fazer Documento de Evidências", "descricao": "Tirar prints mostrando o sistema funcionando.", "status": "Em progresso", "criadoEm": "2025-11-24T18:58:12.1746824-03:00" }</pre> <p>Response headers</p> <pre>content-type: application/json; charset=utf-8 date: Mon, 24 Nov 2025 21:58:12 GMT server: Kestrel transfer-encoding: chunked</pre>

Listar Tarefa

Curl

```
curl -X 'GET' \
  'http://localhost:5092/api/tarefas' \
  -H 'accept: */*' \
  -H 'Authorization: Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVC39eyJpZCI6IjQ1LC1leHaiOjE3NjQwNTAwNzUsImlzcyI6IIRhc2tGbG93IiwiYXVkJjoiVGFza0Zsb3dVc2Vycy39.nMLXxgEjt6On1Gr5cVBi5nCQPkhrRn0dqPUVs-2zJw'
```

Request URL

```
http://localhost:5092/api/tarefas
```

Server response

Code	Details
200	<p>Response body</p> <pre>[{ "id": 5, "usuarioId": 4, "titulo": "Fazer Documento de Evidências", "descricao": "Tirar prints mostrando o sistema funcionando.", "status": "Em progresso", "criadoEm": "2025-11-24T18:58:12.1746824" }, { "id": 6, "usuarioId": 4, "titulo": "Apresentar Trabalho Final", "descricao": "Apresentar o trabalho completo em sala.", "status": "Pendente", "criadoEm": "2025-11-24T19:00:27.8280423" }]</pre> <p>Response headers</p> <pre>content-type: application/json; charset=utf-8 date: Mon, 24 Nov 2025 22:00:36 GMT server: Kestrel transfer-encoding: chunked</pre>

Buscar Tarefa por ID

Responses

Curl

```
curl -X 'GET' \
'http://localhost:5092/api/tarefas/5' \
-H 'accept: */*' \
-H 'Authorization: Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9eyJpZCI6IjQ1LC1eHAI0jE3NjQwNTAwNzUsImlzcyI6I1Rhct2GbG93IiwiYXVkJoiVGFza0Zsb3dVc2VycyJ9.niMLXxgEjt6On1Gr5cVBi5WCPkhrRn0dqPUVs-2zJw'
```

Request URL

<http://localhost:5092/api/tarefas/5>

Server response

Code Details

200 Response body

```
{  
    "id": 5,  
    "usuarioId": 4,  
    "titulo": "Fazer Documento de Evidências",  
    "descricao": "Tirar prints mostrando o sistema funcionando.",  
    "status": "Em progresso",  
    "criadoEm": "2025-11-24T18:58:12.1746824"  
}
```

Download

Atualizar Tarefa

Responses

Curl

```
curl -X 'PUT' \
'http://localhost:5092/api/tarefas/5' \
-H 'accept: */*' \
-H 'Authorization: Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9eyJpZCI6IjQ1LC1eHAI0jE3NjQwNTAwNzUsImlzcyI6I1Rhct2GbG93IiwiYXVkJoiVGFza0Zsb3dVc2VycyJ9.niMLXxgEjt6On1Gr5cVBi5WCPkhrRn0dqPUVs-2zJw' \
-d '{  
    "titulo": "Fazer Documento de Evidências",  
    "descricao": "Tirar prints mostrando o sistema funcionando.",  
    "status": "Concluído"  
}'
```

Request URL

<http://localhost:5092/api/tarefas/5>

Server response

Code Details

200 Response body

```
{  
    "id": 5,  
    "usuarioId": 4,  
    "titulo": "Fazer Documento de Evidências",  
    "descricao": "Tirar prints mostrando o sistema funcionando.",  
    "status": "Concluído",  
    "criadoEm": "2025-11-24T18:58:12.1746824"  
}
```

Response headers

```
content-type: application/json; charset=utf-8  
date: Mon, 24 Nov 2025 22:04:05 GMT  
server: Kestrel  
transfer-encoding: chunked
```

Excluir Tarefa

The screenshot shows a user interface for testing a REST API. At the top, there's a form with a single input field labeled 'id * required' containing the value '6'. Below the input is a blue button labeled 'Execute' and a grey button labeled 'Clear'. Underneath the form, the word 'Responses' is followed by a 'Curl' command and a 'Request URL'. The 'Request URL' is 'http://localhost:5092/api/tarefas/6'. Below this is a 'Server response' section. It shows a table with two columns: 'Code' and 'Details'. A row for code 200 has a 'Response body' column containing the text 'Tarefa excluída.'. There are also 'Copy' and 'Download' buttons next to the response table.

Code	Details
200	Response body Tarefa excluída.

Curl
curl -X 'DELETE' '\
http://localhost:5092/api/tarefas/6'\
-H 'accept: */'*
-H 'Authorization: Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9eyJpZCI6IjQ1LCJ1eHAiOjE3NjQwNTAwNzUsImlzcyI6I1Rhct2tGbG93IiwidXVvIkjoivGFxa0Zsb3dVc2VycyJ9.niMlLXsgEjt6On1Gr5cVBi5WCQPkkMrRn0dqPUVs-2zJu'
Request URL
http://localhost:5092/api/tarefas/6
Server response

Conclusão

As evidências apresentadas demonstram que:

- A API está funcionando plenamente
- A autenticação via JWT opera corretamente
- Todas as rotas de tarefas foram testadas e confirmadas