

Descripción

La empresa NUEVO SPA desea desarrollar una plataforma de gestión de tareas para mejorar la productividad de sus equipos.

Prerrequisitos

Principales dependencias y tecnologías:

- Java 17
- Spring Boot 2.7.17
- Gradle 8.4
- Swagger

Configuración

1.- Clonar repositorio de github

```
git clone https://github.com/previred/desafio-spring-boot.git
```

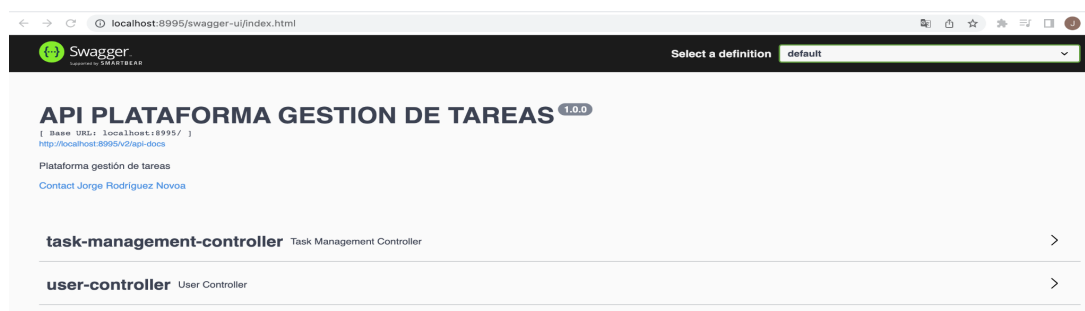
2.- Importar proyecto descargado en Spring Tools o en el IDE preferido.

3.- Configurar el archivo application.properties. El proyecto se encuentra configurado con el puerto 8995, si deseas cambiar el puerto lo puedes realizar en la propiedad server.port

```
server.port=8995
```

4.- La documentación de swagger se encuentra disponible en el siguiente link:

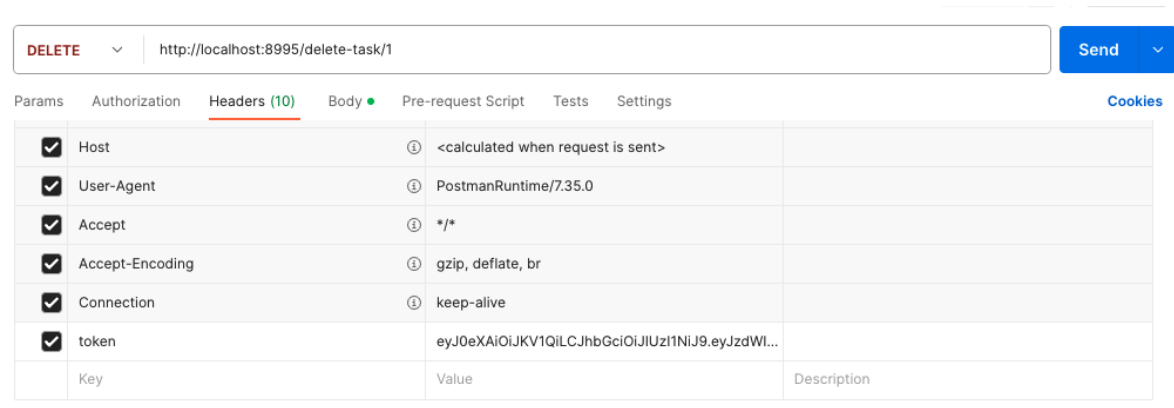
<http://localhost:8995/swagger-ui/index.html>



Pruebas

Para realizar la pruebas se adjunta en github collections de postman para que pueda importar de forma local.

Para que funcionen las llamadas a la Apis se debe agregar el token en el header a excepción del Login que es utilizado para obtener el token ingresando las credenciales del usuario. A continuación tiene un ejemplo de como enviar el token desde el header



Al iniciar el Proyecto se crea un usuario, las credenciales son las siguientes dado que la password se guarda encriptada en la Base de datos H2, esto servirá para realizar el login.

```
{  
  
  "email" : "jrodriguez@gmail.com",  
  "password": "Nuevospa123"  
}
```

Evidencia Prueba Login

<http://localhost:8995/login>

The screenshot shows a REST client interface for the endpoint `http://localhost:8995/login`. The request is a `POST` with a JSON body containing login credentials. The response is a `200 OK` status with a JSON body indicating a successful login and providing a token and user data.

```
1 {
2   ...
3   "email": "jrodriguez@gmail.com",
4   "password": "Nuevospa123"
5 }
```

Body: Cookies (1) Headers (5) Test Results Status: 200 OK Time: 215 ms Size: 599 B Save as example

```
1 {
2   "code": "000",
3   "message": "Login OK",
4   "data": {
5     "created": "2023-12-28T15:46:59.735176",
6     "lastLogin": "2023-12-28T16:16:43.418379",
7     "token": "eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJzdWIiOiJqcmlndWV6QGdtYWlsLmNvbSI6ImhhdCI6MTcwMzc5MTAwMywianRpIjoimMmZm
8     "isActive": true,
9     "name": "jorge rodriguez",
10    "email": "jrodriguez@gmail.com"
11  }
12 }
```

Además se deja disponible el siguiente endpoint por si desea agregar más usuarios

<http://localhost:8995/create-user>

The screenshot shows a REST client interface for the endpoint `http://localhost:8995/create-user`. The request is a `POST` with a JSON body containing user creation details. The response is a `201 Created` status with a JSON body indicating successful creation and providing user data.

```
1 {
2   "name": "Jorge Rodriguez",
3   "password": "Nuevospa123",
4   "email": "jorgerodriguez3@gmail.com"
5 }
```

Body: Cookies (1) Headers (5) Test Results Status: 201 Created Time: 116 ms Size: 398 B Save as example

```
1 {
2   "code": "000",
3   "message": "Se ha creado correctamente el usuario",
4   "data": {
5     "name": "Jorge Rodriguez",
6     "email": "jorgerodriguez3@gmail.com",
7     "created": "2023-12-28T15:45:26.065799",
8     "lastLogin": "2023-12-28T15:45:26.06588",
9     "isActive": true
10  }
11 }
```

Evidencia Prueba Crear Tarea

http://localhost:8995/create-task

TEST-TECNICO / http://localhost:8995/create-task

POST http://localhost:8995/create-task

Params Authorization Headers (10) Body Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL JSON

```
1 {
2   ... "title": "tarea 1",
3   ... "description": "descripción tarea 1",
4   ... "priority": "medium",
5   ... "emailAsignado": "jrodriguez@gmail.com"
6 }
```

Body Cookies (1) Headers (5) Test Results

Status: 201 Created Time: 100 ms Size: 420 B Save as example

Pretty Raw Preview Visualize JSON

```
1 {
2   "code": "000",
3   "message": "Se ha creado correctamente una tarea",
4   "data": {
5     "idTask": 1,
6     "title": "tarea 1",
7     "description": "descripción tarea 1",
8     "startDate": "2023-12-28T16:24:28.61327",
9     "status": "IN PROGRESS",
10    "priority": "MEDIUM",
11    "assigned": "jorge rodriguez"
12  }
13 }
```

Evidencia Prueba Editar Tarea

http://localhost:8995/edit-task/{id}

TEST-TECNICO / http://localhost:8995/edit-task/{id}

PUT http://localhost:8995/edit-task/1

Params Authorization Headers (10) Body Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL JSON

```
1 {
2   ... "title": "tarea editada 1",
3   ... "description": "descripción editada",
4   ... "priority": "medium",
5   ... "emailAsignado": "jrodriguez@gmail.com",
6   ... "status": "DONE"
7 }
```

Body Cookies (1) Headers (5) Test Results

Status: 200 OK Time: 99 ms Size: 459 B Save as example

Pretty Raw Preview Visualize JSON

```
1 {
2   "code": "000",
3   "message": "Se ha editado correctamente una tarea",
4   "data": {
5     "idTask": 1,
6     "title": "tarea editada 1",
7     "description": "descripción editada",
8     "startDate": "2023-12-28T16:24:28.61327",
9     "finishDate": "2023-12-28T16:25:00.612135",
10    "status": "DONE",
11    "priority": "MEDIUM",
12    "assigned": "jorge rodriguez"
13 }
```

Evidencia Prueba Eliminar Tarea

http://localhost:8995/delete-task/1

TEST-TECNICO / http://localhost:8995/delete-task/{id}

DELETE

http://localhost:8995/delete-task/1

Send

Params

Authorization

Headers (8)

Body

Pre-request Script

Tests

Settings

Cookies

| | | | |
|-------------------------------------|-----------------|-------|---|
| <input checked="" type="checkbox"/> | Postman-Token | | <calculated when request is sent> |
| <input checked="" type="checkbox"/> | Host | | <calculated when request is sent> |
| <input checked="" type="checkbox"/> | User-Agent | | PostmanRuntime/7.35.0 |
| <input checked="" type="checkbox"/> | Accept | | */* |
| <input checked="" type="checkbox"/> | Accept-Encoding | | gzip, deflate, br |
| <input checked="" type="checkbox"/> | Connection | | keep-alive |
| <input checked="" type="checkbox"/> | token | | eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJzdWI... |
| | Key | Value | Description |

Body

Cookies (1)

Headers (5)

Test Results

Status: 200 OK Time: 59 ms Size: 230 B Save as example

Pretty

Raw

Preview

Visualize

JSON

```
1
2  "code": "000",
3  "message": "Se ha eliminado correctamente una tarea"
4
```

Evidencia Prueba obtener Tareas

http://localhost:8995/tasks

TEST-TECNICO / http://localhost:8995/tasks

GET

http://localhost:8995/tasks

Send

Params

Authorization

Headers (8)

Body

Pre-request Script

Tests

Settings

Cookies

| | | | |
|-------------------------------------|------------|--|---|
| <input checked="" type="checkbox"/> | Connection | | keep-alive |
| <input checked="" type="checkbox"/> | token | | eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJzdWI... |

Body

Cookies (1)

Headers (5)

Test Results

Status: 200 OK Time: 52 ms Size: 576 B Save as example

Pretty

Raw

Preview

Visualize

JSON

```
1
2  "code": "000",
3  "message": "Resultado OK",
4  "data": [
5    {
6      "idTask": 2,
7      "title": "tarea 1",
8      "description": "descripción tarea 1",
9      "startDate": "2023-12-28T16:32:01.468416",
10     "status": "IN PROGRESS",
11     "priority": "MEDIUM",
12     "assigned": "jorge rodriguez"
13   },
14   {
15     "idTask": 3,
16     "title": "tarea 2",
17     "description": "descripción tarea 2",
18     "startDate": "2023-12-28T16:32:08.101493",
```