Technical Test - API Rest

This is a REST API developed as part of a Technical Test to manage products and prices. It is built with Spring Boot and packaged in a Docker container. Below, you'll find instructions on how to run the project, how to run tests, and some code specifications.

Requisitos

To run and test this project, you need to have the following installed:

- Docker (to run the application in a container).
- Maven (for building and running tests).
- Java 17 or higher (to run the project).

Running the Project

1. Clone the Repository

First, clone this repository to your local machine:

```
git clone https://github.com/jaimegarita/technical_test.git
cd technical_test
```

2. Run the Project Locally

If you prefer to run the project locally without Docker, use Maven to compile and run the application.

```
./mvnw spring-boot:run
```

3. Run the Project in Docker

To run a container, follow these steps:

```
docker build -t technical_test .
docker run -p 8080:8080 technical_test
```

4. Run Tests

Unit tests are executed when building the image. If they fail, the image will not be built.

To run tests locally

```
    ./mvnw test
```

5. E2E Tests with Postman

E2E tests can be run using the Postman collection found in the PRICES_E2E.postman_collection.json file inside the /technical_test directory.

1. Importar la colección en Postman

- Open Postman
- Click on the import icon in the top-left corner.
- Select the PRICES_E2E.postman_collection.json file from the directory where you cloned the repository.
- Click Import.

2. Run the Collection Tests in Postman

- Select the imported collection in Postman.
- Click on Run to execute all the tests defined in the collection.
- Postman will execute the API requests and show the test results.