



Bases de Datos

Lic. En Informática

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a) Descarga el proyecto del API que se encuentra en GitHub. En el foro se indicará la dirección de GitHub.

b) Completa los endpoints que faltan.

Ejecuta el endpoint GET /products/all. ¿Qué devuelve y en qué formato?

Devuelve la lista de productos de la base de datos en formato json, ejemplo

"id": 325,

"name": "Computadora HP 280 G3",

"description": "Computadora HP 280 G3, Intel Core i7-8700 3.20GHz, 8GB, 1TB, Windows 10 Pro 64-bit + Teclado/Mouse",

"price": 14759,

"quantity": 59,

"sku": "3XT77LT"

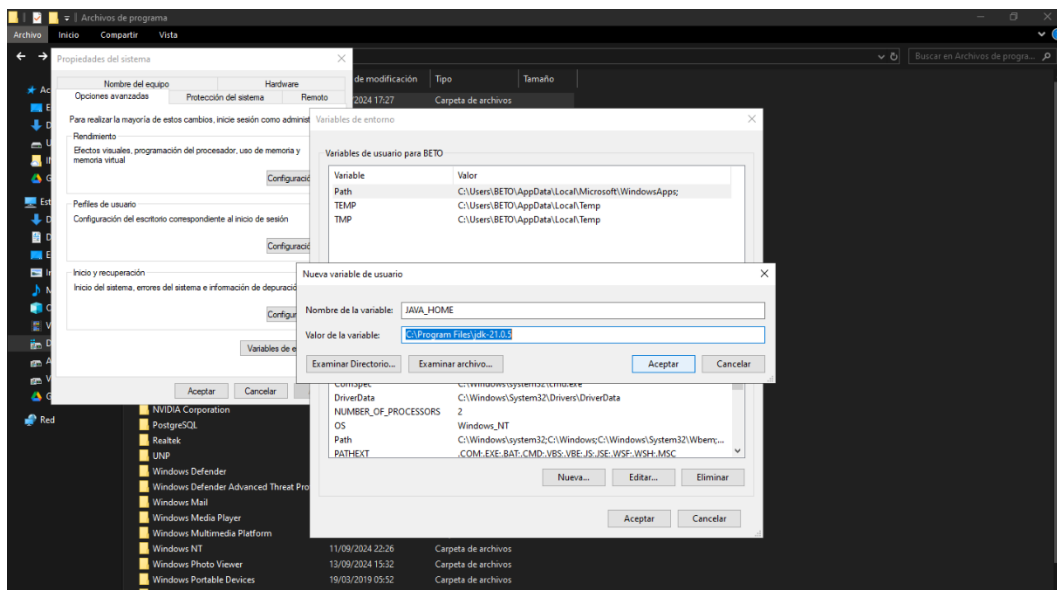
¿Para qué sirve la directiva @RegisterBeanMapper (https://jdbi.org/#_beanmapper)?

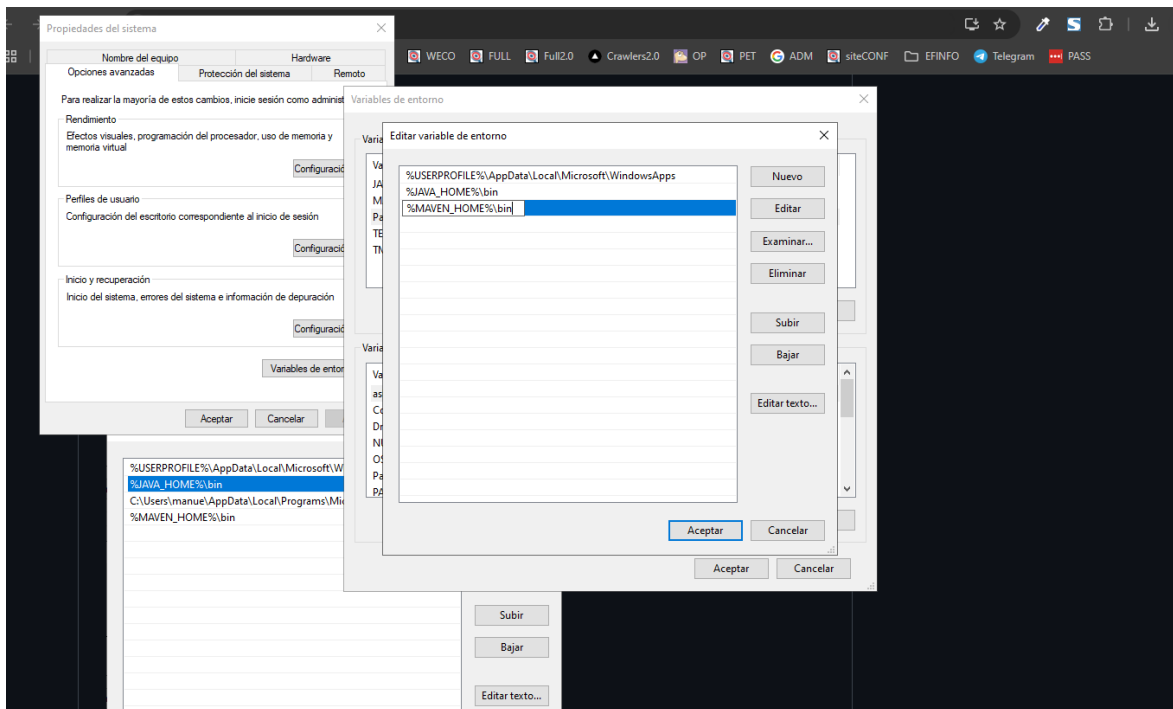
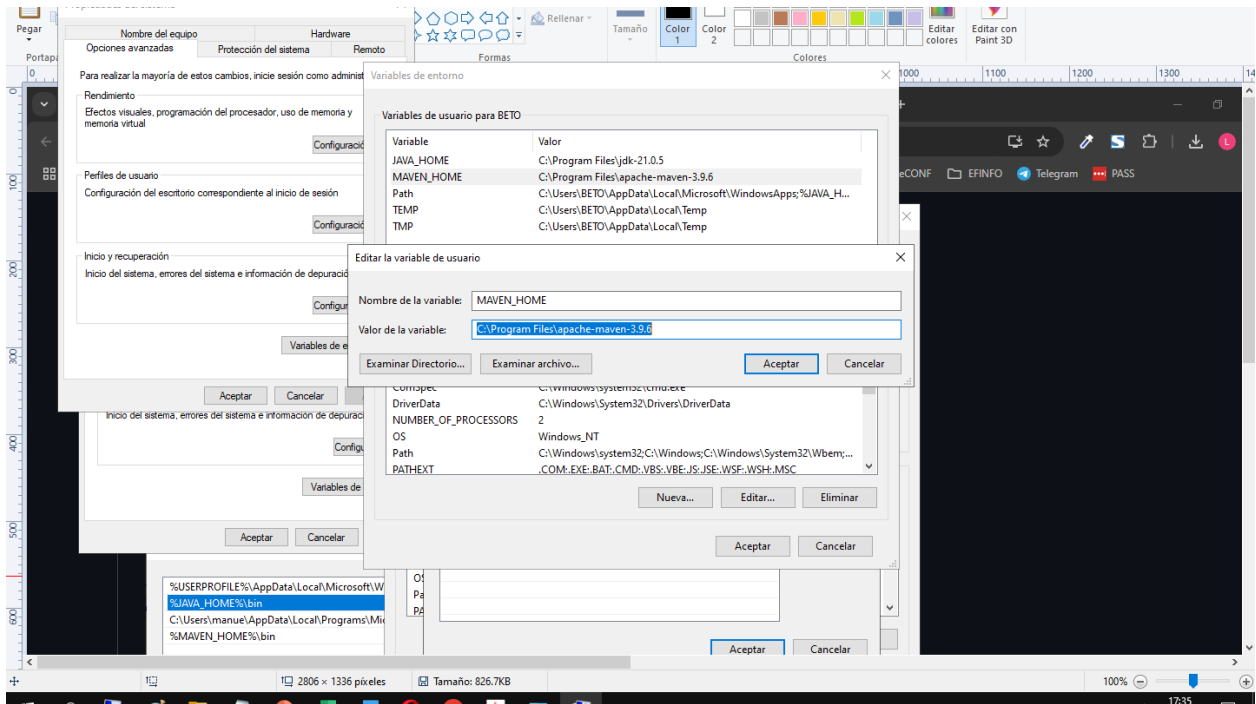
Mapea automáticamente cada fila de la tabla clientes con los atributos de la clase ClientDto

c) Ejecuta el proyecto.

d) Crea un repositorio en GitHub y sube tus cambios.

e) En un documento en PDF, anexa las capturas de pantalla del proyecto y el enlace a tu repositorio. Sube este archivo a la plataforma.





The screenshot shows a Windows command prompt window titled "Administrador: Símbolo del sistema". The user has installed Java and Maven and is verifying the installation.

Java Installation:

```
java -version
C:\Windows\system32>java -version
java version "21.0.5" 2024-10-15 LTS
Java(TM) SE Runtime Environment (build 21.0.5+9-LTS-239)
Java HotSpot(TM) 64-Bit Server VM (build 21.0.5+9-LTS-239, mixed mode, sharing)
```

Maven Installation:

```
mvn --version
Apache Maven 3.9.6 (bc0240f3c744dd6b6ec2920b3cd08dcc295161ae)
Maven home: C:\Program Files\apache-maven-3.9.6
Java version: 21.0.5, vendor: Oracle Corporation, runtime: C:\Program Files\jdk-21.0.5
default locale: es_MX, platform encoding: UTF-8
OS name: "windows 10", version: "10.0", arch: "amd64", family: "windows"
```

Environment Variables:

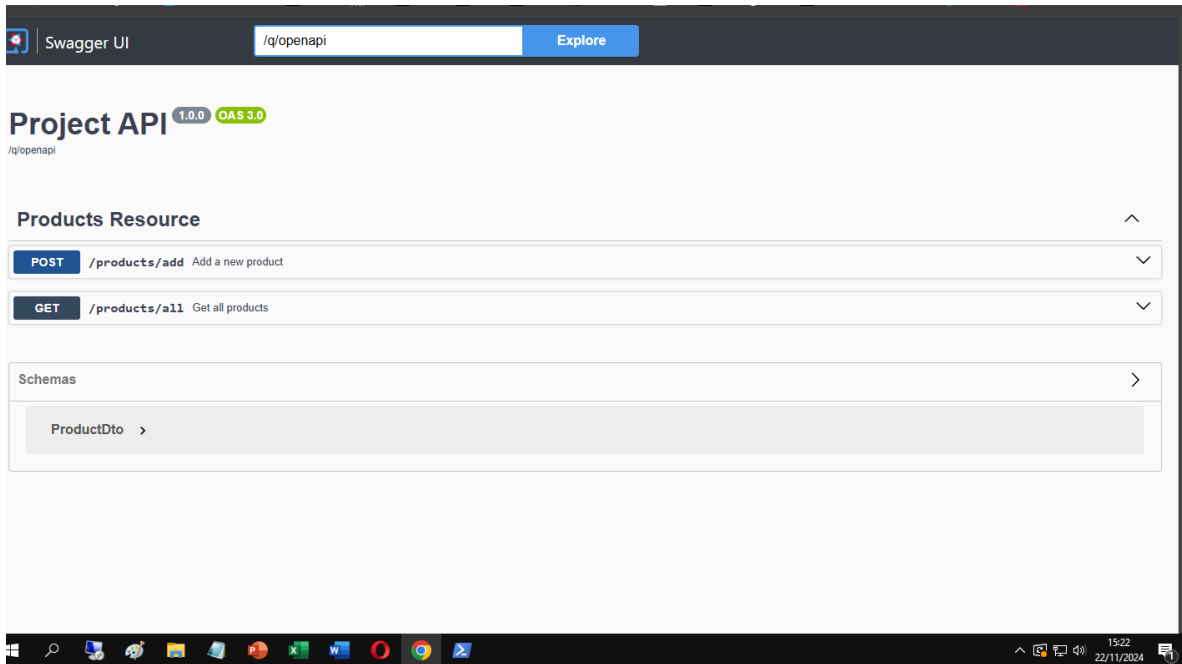
```
PS C:\Windows\System32>
openjre
OpenJRE
OpenJRE
PS C:\Windows\System32>
Apache
Maven
Java
5.0.1
Default
OS name
PS C:\Windows\System32>
```

```
❏ README
* Learn more: https://quarkus.io/usage/
* Do you agree to contribute anonymous build time data to the Quarkus community? (y/n and enter)
[info] [Quarkus build analytics] Didn't receive the user's answer after 10 seconds. The question will be asked again next time.

./mvnw.cmd quarkus:dev
Listening for transport dt_socket at address: 5005

Este comando descubre el puerto 8090.

PS C:\Users\manuel\Documents> quarkus:dev
[INFO] Scanning for projects...
[INFO]
[INFO] --- quarkus:dev ---
[INFO] Using 'UTF-8' encoding to copy source files to target JVM
[INFO] Copying 3 resources to target JVM
[INFO] Nothing to compile - all classes are up to date
2024-11-22 15:04:13,422 INFO [io.quarkus] (Quarkus Main Thread) proyecto-api 1.0.0-SNAPSHOT on JVM (powered by Quarkus 3.6.1) started in 7.738s. Listening on: http://localhost:8090
--
2024-11-22 15:04:13,430 INFO [io.quarkus] (Quarkus Main Thread) Profile dev activated. Live Coding activated.
2024-11-22 15:04:13,433 INFO [io.quarkus] (Quarkus Main Thread) Installed features: [agroal, cdi, jdbc-postgresql, narayana-jta, resteasy-reactive, resteasy-reactive-jackson, smallrye-context-propagation, smallrye-openapi, swagger-ui, vert.x, mutiny, narayana-jta, resteasy-reactive, resteasy-reactive-jackson, smallrye-context-propagation, smallrye-openapi, swagger-ui, vert.x]
Press [ ] to edit command line args (currently ''), [ ] to resume testing, [ ] Toggle test output, [ ] for the terminal, [ ] for more options>
```



The image shows a screenshot of the Swagger UI for a project named "Project API". The interface is dark-themed with a top bar containing the Swagger UI logo, the API name "Project API", and a search bar with the text "/q/openapi". Below the top bar, the "Products Resource" is displayed, showing two endpoints: a POST endpoint for "/products/add" and a GET endpoint for "/products/all". The "Schemas" section is also visible, showing a "ProductDto" schema. The bottom of the image shows a Windows taskbar with various application icons and a system clock indicating 15:22 on 22/11/2024.

Swagger UI

/q/openapi

Explore

Project API

1.0.0 OAS 3.0

/q/openapi

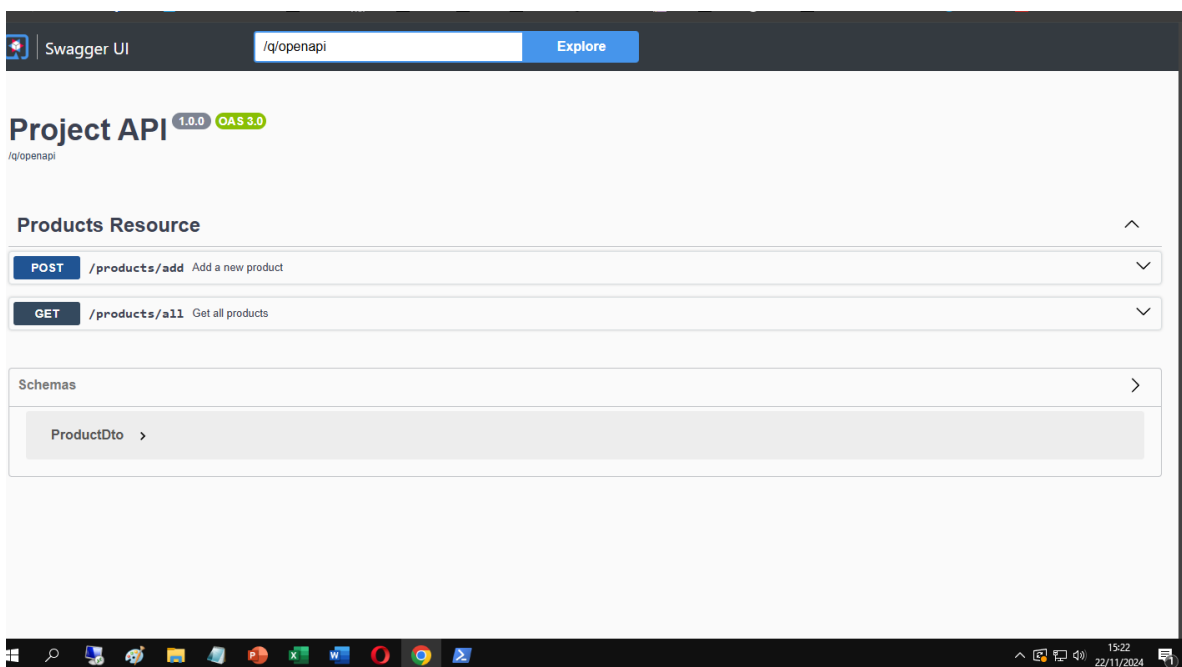
Products Resource

POST /products/add Add a new product

GET /products/all Get all products

Schemas

ProductDto



This is a duplicate of the first image, showing the same Swagger UI interface for the "Project API". It displays the "Products Resource" with endpoints for adding and retrieving products, and the "Schemas" section for "ProductDto". The Windows taskbar at the bottom shows the same date and time (15:22 on 22/11/2024).

Swagger UI

/q/openapi

Explore

Project API

1.0.0 OAS 3.0

/q/openapi

Products Resource

POST /products/add Add a new product

GET /products/all Get all products

Schemas

ProductDto

Project API

1.0.0

OAS 3.0

/openapi

Products Resource

POST

/products/add

Add a new product

GET

/products/all

Get all products

Parameters

Cancel

No parameters

Execute

Clear

Responses

Curl

curl -X 'GET' \

'http://localhost:8090/products/all' \

-H 'accept: application/json'

Request URL

http://localhost:8090/products/all

Server response

Code

Details

200

Response body

```
{
  "success": true,
  "data": [
    {
      "id": 325,
      "name": "Computadora HP 280 G3",
      "description": "Computadora HP 280 G3, Intel Core i7-8700 3.20GHz, 8GB, 1TB, Windows 10 Pro 64-bit + Teclado/Mouse",
      "price": 14759,
      "quantity": 59,
      "sku": "3K777LT"
    },
    {
      "id": 326,
      "name": "Computadora Dell Vostro 3470",
      "description": "Computadora Dell Vostro 3470, Intel Core i5-8400 2.80GHz, 4GB, 1TB, Windows 10 Pro 64-bit",
      "price": 11700,
      "quantity": 9,
      "sku": "V3475F15s41TM0P1M"
    },
    {
      "id": 327,
      "name": "Computadora Dell OptiPlex 3060",
      "description": "Computadora Dell OptiPlex 3060, Intel Core i3-8100 3.60GHz, 4GB, 1TB, Windows 10 Pro 64-bit",
      "price": 12800,
      "quantity": 6,
      "sku": "03N6G5FFI3S41TM0P3M"
    }
  ]
}
```

Response headers

```
content-type: application/json;charset=UTF-8
transfer-encoding: chunked
```

Responses

POST

/products/add

Add a new product

^

Parameters

Cancel

Reset

No parameters

Request body

application/json

{
 "id": 0,
 "name": "Laptop Dell Vostro 3468",
 "description": "Dell vostro, Core i3, 16 gb ram, 480 Gb SSD",
 "price": 180000,
 "quantity": 1,
 "sku": "U573M77"
}

Execute

Clear

Responses

Curl

curl -X 'POST' \
'http://localhost:8090/products/add' \
-H 'accept: application/json' \
-H 'Content-type: application/json' \
-d '{
 "id": 0,
 "name": "Laptop Dell Vostro 3468",
 "description": "Dell vostro, Core i3, 16 gb ram, 480 Gb SSD",
 "price": 180000,
 "quantity": 1,
 "sku": "U573M77"
}'

Request URL

http://localhost:8090/products/add

Server response

Code

Details

200

Response body

{
 "success": true,
 "data": "ok"
}

Response headers

access-control-allow-credentials: false
access-control-allow-headers: Content-Type,Accept
access-control-allow-methods: GET,POST,PUT,DELETE,OPTIONS
access-control-allow-origin: http://localhost:8090
access-control-expose-headers: Content-Type,Accept
content-length: 28
content-type: application/json;charset=UTF-8

Responses

