

Prueba Tecnica – UniComer

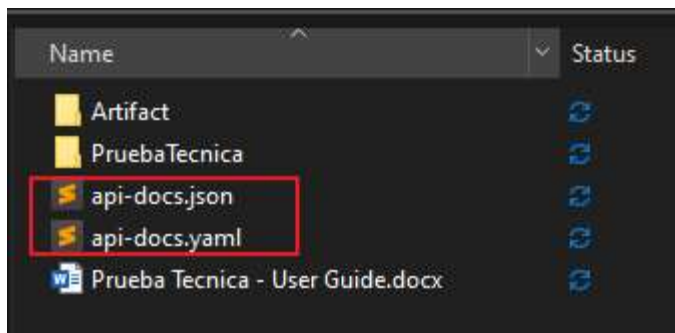
Jhener García

Software Specification:

- Java: 11
- Spring Boot: 2.7.6
- OpenAPI: 3.0
- Database: H2 file based.

Swagger files can be found in:

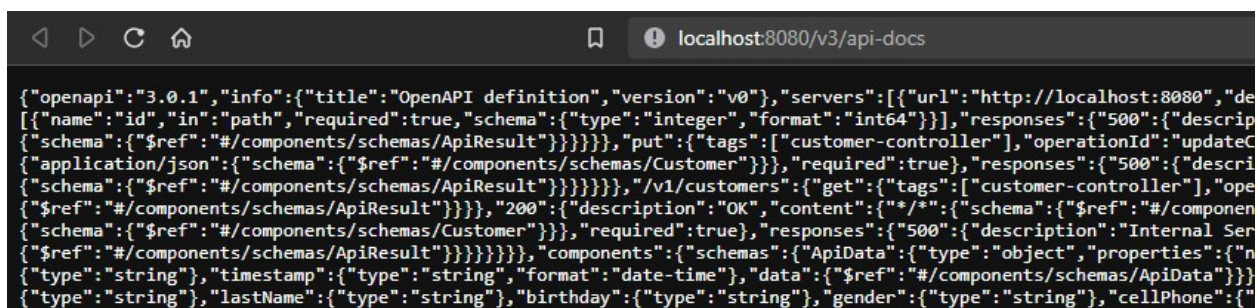
Repository as json and yaml files:



Or at the following urls:

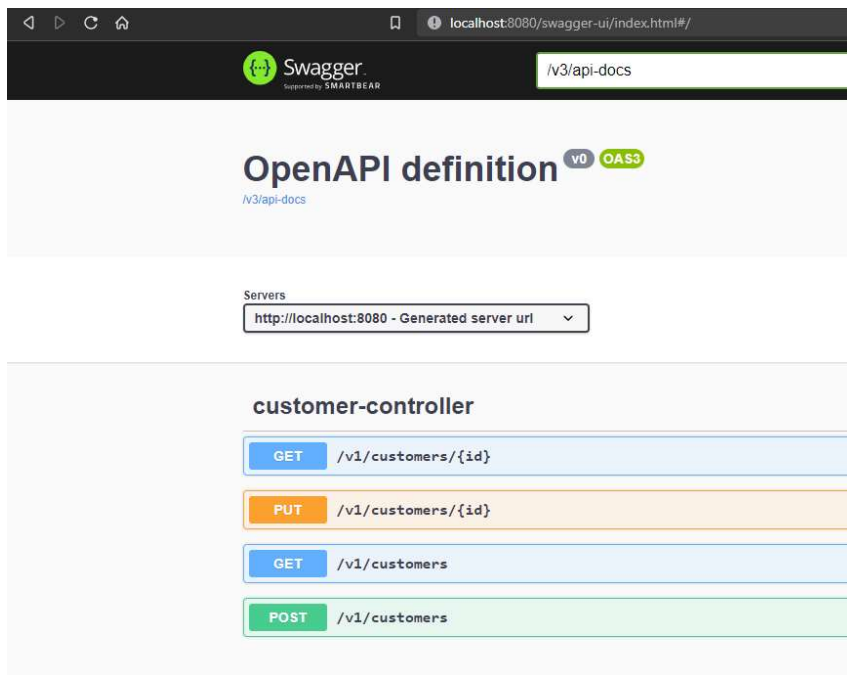
<http://localhost:8080/api-docs.yaml>

<http://localhost:8080/v3/api-docs>



## Swagger UI

<http://localhost:8080/swagger-ui/index.html#/>



Generate jar file:

gradlew clean build

```
C:\Users\EJHEGAR\OneDrive - Ericsson\Desarrollos\grupo-unicomer\github\PruebaTecnica>gradlew clean build -Dorg.gradle.java.home="C:\Program Files\Java\jdk-11.0.17"

> Task :test
2022-12-15 13:38:52.396 [SpringApplicationShutdownHook] DEBUG org.springframework.web.context.support.GenericWebApplicationContext - Closing org.springframework.web
c 15 13:38:36 CST 2022
2022-12-15 13:38:52.400 [SpringApplicationShutdownHook] DEBUG org.springframework.context.support.DefaultLifecycleProcessor - Stopping beans in phase -2147483647
2022-12-15 13:38:52.401 [SpringApplicationShutdownHook] DEBUG org.springframework.context.support.DefaultLifecycleProcessor - Bean 'springBootLoggingLifecycle' comp
2022-12-15 13:38:52.404 [SpringApplicationShutdownHook] DEBUG org.springframework.scheduling.concurrent.ThreadPoolTaskExecutor - Shutting down ExecutorService 'appl
2022-12-15 13:38:52.405 [SpringApplicationShutdownHook] INFO org.springframework.orm.jpa.LocalContainerEntityManagerFactoryBean - Closing JPA EntityManagerFactory

> Task :prepareArtifacts
Copying file.

BUILD SUCCESSFUL in 52s
9 actionable tasks: 9 executed
C:\Users\EJHEGAR\OneDrive - Ericsson\Desarrollos\grupo-unicomer\github\PruebaTecnica>
```





It generates a “Artifact” folder with all necessary for the jar execution:

GAR\OneDrive - Ericsson\Desarrollos\grupo-unicomer\github\PruebaTecnica\build\Artifact					
Name	Status	Date modified	Type	Size	
config		15/12/2022 13:38	File folder		
data		15/12/2022 13:38	File folder		
tenant-properties		15/12/2022 13:38	File folder		
PruebaTecnica-1.0.jar		15/12/2022 13:38	WinRAR archive	43,655 KB	

Config folder:

- Application Configuration
- Logback configuration







\\OneDrive - Ericsson\Desarrollos\grupo-unicomer\github\Artifact\config

Name	Status	Date modified
 application.yaml		15/12/2022 13:38
 logback-spring.xml		15/12/2022 13:38

Data Folder:

- All 3 databases for each customer







\\OneDrive - Ericsson\Desarrollos\grupo-unicomer\github\Artifact\data

Name	Status	Date modified
 database-costa_rica.mv.db		15/12/2022 13:38
 database-guatemala.mv.db		15/12/2022 13:38
 database-jamaica.mv.db		15/12/2022 13:38

Tenant Properties Folder:

- Configuration for each database

\\OneDrive - Ericsson\Desarrollos\grupo-unicomer\github\Artifact\tenant-properties

Name	Status	Date modified
 costa_rica.properties		15/12/2022 13:38
 guatemala.properties		15/12/2022 13:38
 jamaica.properties		15/12/2022 13:38

Execute jar file:

```
java -jar PruebaTecnica-1.0.jar
```

```
C:\Users\EJHEGAR\OneDrive - Ericsson\Desarrollos\grupo-unicomer\github\Artifact>dir
Volume in drive C is OSDisk
Volume Serial Number is 50DC-C68C

Directory of C:\Users\EJHEGAR\OneDrive - Ericsson\Desarrollos\grupo-unicomer\github\Artifact

15/12/2022  13:41    <DIR>          .
15/12/2022  13:41    <DIR>          ..
15/12/2022  13:41    <DIR>          config
15/12/2022  13:41    <DIR>          data
15/12/2022  13:38           44,701,873 PruebaTecnica-1.0.jar
15/12/2022  13:41    <DIR>          tenant-properties
                1 File(s)      44,701,873 bytes
                5 Dir(s)   174,708,375,552 bytes free

C:\Users\EJHEGAR\OneDrive - Ericsson\Desarrollos\grupo-unicomer\github\Artifact>java -jar PruebaTecnica-1.0.jar

:: Spring Boot ::
(v2.7.6)

2022-12-15 13:43:49.204 [main] INFO  com.unicomer.PruebaTecnicaApplication - Starting PruebaTecnicaApplication using Java 17.0.1
2022-12-15 13:43:49.212 [main] DEBUG com.unicomer.PruebaTecnicaApplication - Running with Spring Boot v2.7.6, Spring v5.3.24
2022-12-15 13:43:49.215 [main] INFO  com.unicomer.PruebaTecnicaApplication - No active profile set, falling back to 1 default
2022-12-15 13:43:49.217 [main] DEBUG org.springframework.boot.SpringApplication - Loading source class com.unicomer.PruebaTecnicaApplication
2022-12-15 13:43:49.333 [main] DEBUG org.springframework.boot.web.servlet.context.AnnotationConfigServletWebServerApplication
```

Logs are generated in log folder:

R\OneDrive - Ericsson\Desarrollos\grupo-unicomer\github\Artifact		
Name	Status	Date m
config		15/12/
data		15/12/
logs		15/12/
tenant-properties		15/12/
PruebaTecnica-1.0.jar		15/12/

R\OneDrive - Ericsson\Desarrollos\grupo-unicomer\github\Artifact\logs		
Name	Status	Date n
prueba-tecnica.log		15/12/
spring-framework.log		15/12/

Execute GET request with header: Country = guatemala:

http://localhost:8080/v1/customers

GET http://localhost:8080/v1/customers

Params Authorization Headers (7) Body Pre-request Script Tests Settings

Headers 6 hidden

	KEY	VALUE
<input checked="" type="checkbox"/>	Country	guatemala
	Key	Value

Body Cookies Headers (5) Test Results

Pretty Raw Preview Visualize JSON

```
1 {
2   "code": "200",
3   "message": "Success",
4   "timestamp": "2022-12-15T13:45:39.199736",
5   "data": {
6     "Customers": [
7       {
8         "id": 1,
9         "customerId": "219684654",
10        "firstName": "Jhener",
11        "lastName": "Garcia",
12        "birthday": "January 5, 1993",
13        "gender": "Male",
14        "cellPhone": "59448648",
15        "homePhone": "59448648",
16        "homeAddress": "Ciudad de Guatemala",
17        "profession": "Software Developer",
18        "income": "75K"
19      },
20      {
21        "id": 2,
22        "customerId": "219684654",
23        "firstName": "Jhener 2",
24        "lastName": "Garcia 2"
```



Jamaica:

http://localhost:8080/v1/customers

GET http://localhost:8080/v1/customers

Params Authorization Headers (7) Body Pre-request Script Tests Settings

Headers 6 hidden

	KEY	VALUE
<input checked="" type="checkbox"/>	Country	jamaica
	Key	Value

Body Cookies Headers (5) Test Results

Pretty Raw Preview Visualize JSON

```
1 {
2   "code": "200",
3   "message": "Success",
4   "timestamp": "2022-12-15T13:46:36.4780934",
5   "data": {
6     "Customers": [
7       {
8         "id": 1,
9         "customerId": "219684654",
10        "firstName": "Jhener",
11        "lastName": "Garcia Diaz",
12        "birthday": "January 5, 1993",
13        "gender": "Male",
14        "cellPhone": "59448648",
15        "homePhone": "59448648",
16        "homeAddress": "Ciudad de Jamaica",
17        "profession": "Software Developer",
18        "income": "75K"
19      }
20    ]
21  }
22 }
```

Costa Rica:

http://localhost:8080/v1/customers

GET http://localhost:8080/v1/customers

Params Authorization Headers (7) Body Pre-request Script Tests Settings

Headers 6 hidden

	KEY	VALUE
<input checked="" type="checkbox"/>	Country	costa_rica
	Key	Value

Body Cookies Headers (5) Test Results

Pretty Raw Preview Visualize JSON

```
1 {
2   "code": "200",
3   "message": "Success",
4   "timestamp": "2022-12-15T13:46:58.7943844",
5   "data": {
6     "Customers": [
7       {
8         "id": 1,
9         "customerId": "219684654",
10        "firstName": "Jhener",
11        "lastName": "Garcia Diaz",
12        "birthday": "January 5, 1993",
13        "gender": "Male",
14        "cellPhone": "59448648",
15        "homePhone": "59448648",
16        "homeAddress": "Ciudad de Costa Rica",
17        "profession": "Software Developer",
18        "income": "75K"
19      }
20    ]
21  }
22 }
```

GET Request, find by id:

http://localhost:8080/v1/customers/2

GET http://localhost:8080/v1/customers/2

Params Authorization Headers (7) Body Pre-request Script Tests Settings

Headers 6 hidden

	KEY	VALUE
<input checked="" type="checkbox"/>	Country	guatemala
	Key	Value

Body Cookies Headers (5) Test Results

Pretty Raw Preview Visualize JSON

```
1 {
2   "code": "200",
3   "message": "Success",
4   "timestamp": "2022-12-15T13:49:06.2180822",
5   "data": {
6     "Customer": {
7       "id": 2,
8       "customerId": "219684654",
9       "firstName": "Jhener 2",
10      "lastName": "Garcia 2",
11      "birthday": "January 5, 1993",
12      "gender": "Male",
13      "cellPhone": "59448648",
14      "homePhone": "59448648",
15      "homeAddress": "Ciudad de Guatemala",
16      "profession": "Software Developer",
17      "income": "75K"
18    }
19  }
20 }
```



## POST Request:

The screenshot shows a REST client interface with the following details:

- URL:** `http://localhost:8080/v1/customers`
- Method:** `POST`
- Body:** A JSON object representing a customer:

```
{  "customerId": "219684654",  "firstName": "Jhener 2",  "lastName": "Garcia 2",  "birthday": "January 5, 1993",  "gender": "Male",  "cellPhone": "59448648",  "homePhone": "59448648",  "homeAddress": "Ciudad de Guatemala",  "profession": "Software Developer",  "income": "75K"}
```
- Status:** `200 OK`
- Response Body:** A JSON object indicating success:

```
{  "code": "201",  "message": "Success",  "timestamp": "2022-12-15T11:22:18.7810852",  "data": {    "Customer": {      "id": 2,      "customerId": "219684654",      "firstName": "Jhener 2",      "lastName": "Garcia 2",      "birthday": "January 5, 1993",      "gender": "Male",      "cellPhone": "59448648",      "homePhone": "59448648",      "homeAddress": "Ciudad de Guatemala",      "profession": "Software Developer",      "income": "75K"    }  }}
```

With header `Country=guatemala`

The screenshot shows the Headers tab of a REST client for the same POST request. The headers are as follows:

KEY	VALUE
<input checked="" type="checkbox"/> Country	guatemala
Key	Value

PUT Request:

The screenshot displays a REST client interface with a PUT request to `http://localhost:8080/v1/customers/1`. The request body is a JSON object containing customer details. The response is also in JSON format, indicating a successful update with a 200 status code and a timestamp.

**Request:**

```
1 {
2   "customerId": "219684654",
3   "firstName": "Jhener 03",
4   "lastName": "Garcia Diaz",
5   "birthday": "January 5, 1993",
6   "gender": "Male",
7   "cellPhone": "59448648",
8   "homePhone": "59448648",
9   "homeAddress": "Ciudad de Guatemala",
10  "profession": "Software Developer",
11  "income": "75K"
12 }
```

**Response:**

```
1 {
2   "code": "200",
3   "message": "Success",
4   "timestamp": "2022-12-15T13:48:23.1049102",
5   "data": {
6     "Customer": {
7       "id": 1,
8       "customerId": "219684654",
9       "firstName": "Jhener 03",
10      "lastName": "Garcia Diaz",
11      "birthday": "January 5, 1993",
12      "gender": "Male",
13      "cellPhone": "59448648",
14      "homePhone": "59448648",
15      "homeAddress": "Ciudad de Guatemala",
16      "profession": "Software Developer",
17      "income": "75K"
18    }
19  }
```