

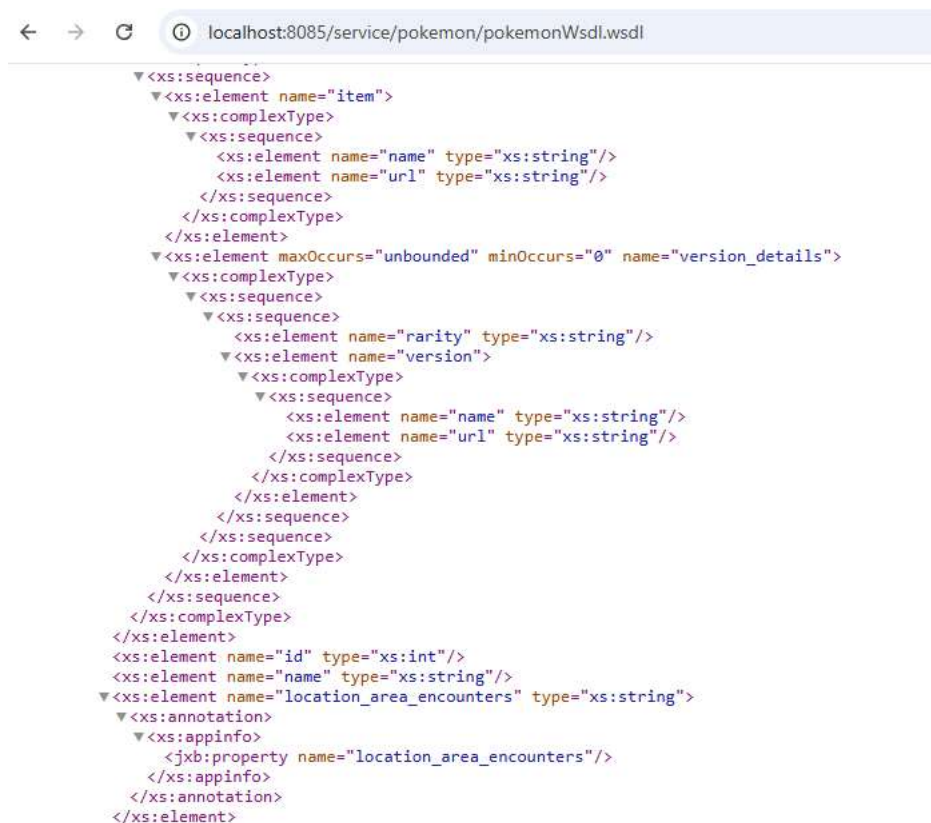
## BANKAYA – POKEMON

Se creo un endpoint tipo soap que recibe de parametros metodo y el nombre del pokemon, el método solo es informativo pero necesario (se creo un enum para los métodos validos), la respuesta contiene la informacion del pokemon: *ABILITIES*, *BASE\_EXPERIENCE*, *HELD\_ITEMS*, *ID*, *NAME*, *LOCATION\_AREA\_ENCOUNTERS*.

### WSDL

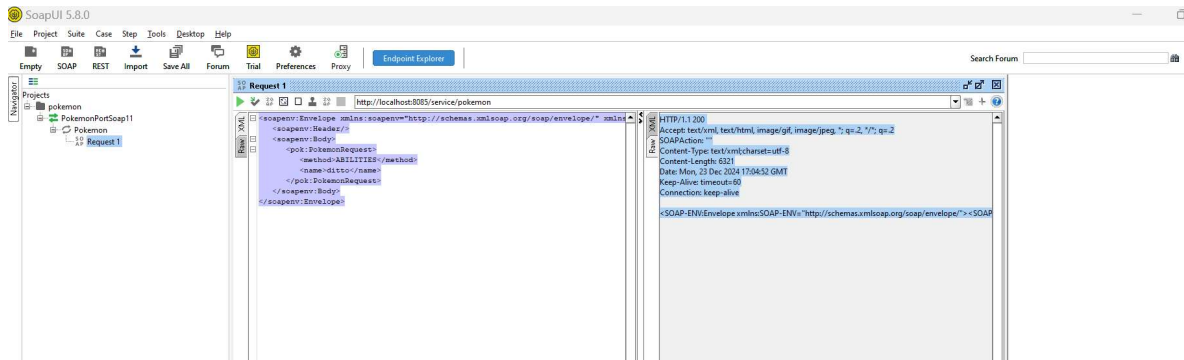
URL para obtener el wsdl:

<http://localhost:8085/service/pokemon/pokemonWsdI.wsdl>



Request example – ver file adjunto (SOAPRequestExample)

Response example – ver file adjunto (SOAPResponseExample)



## H2

Se uso la base de datos H2 para guardar información referente al consumo del servicio SOAP.

<http://localhost:8085/h2-console>

← → ↻ ⓘ localhost:8085/h2-console/test.do?jsessionid=4158e1fb9b776f2050695484766b17e6

English ▼ Preferences Tools Help

Login

Saved Settings: Generic H2 (Embedded) ▼

Setting Name: Generic H2 (Embedded) Save Remove

---

Driver Class: org.h2.Driver

JDBC URL: jdbc:h2:mem:testdb

User Name: sa

Password:

Connect Test Connection

Test successful

localhost:8085/h2-console/login.do?jsessionId=280504ae7bb36e67dc7e1f6b62cb4a81

Auto commit ☒ Max rows: 1000 Auto complete Off Auto select On

jdbc:h2:mem:testdb

LOG  
LOGS  
INFORMATION\_SCHEMA  
Users  
H2 2.3.232 (2024-08-11)

Run Run Selected Auto complete Clear SQL statement:

SELECT \* FROM LOG

SELECT \* FROM LOG;

ID	EXECUTION_TIME	REQUEST_DATE	IP	METHOD
1	964	2024-12-23 12:05:09.973	127.0.0.1	ABILITIES

(1 row, 1 ms)

Edit

## SONARQUBE

Para SQ corri el server localmente con este comando: C:\sonarqube\sonarqube-24.12.0.100206\bin\windows-x86-64\StartSonar.bat y corre en la siguiente url: <http://localhost:9000>

localhost:9000/projects

SonarQube community

Projects Issues Rules Quality Profiles Quality Gates Administration More

The way we calculate ratings has changed and it might affect your security, reliability, maintainability and security review ratings. [Learn More](#)

My Favorites All

Filters

Quality Gate

Passed 0

Failed 1

Security

0 info issues

1 low issue

Search for projects...

Perspective Overall Status Sort by Name 1 project(s)

Create Project

☆ 'Pokemon' PUBLIC Failed

Last analysis: 28 minutes ago - 839 Lines of Code - Java, XML

Security 0 Reliability 3 Maintainability 53 Hotspots Reviewed 1 Coverage 0.0% Duplications 12.7%

1 of 1 shown

Para ejecutarse en el proyecto, con el siguiente comando: mvn clean verify sonar:sonar -Dsonar.projectKey=Pokemon -Dsonar.projectName='Pokemon' -Dsonar.host.url=http://localhost:9000 -Dsonar.token=sqp\_7999ef1f5317004572f9559a87b00d9d9b2f2c02

```
Símbolo del sistema
lusions specified via "sonar.text.inclusions"
[INFO] 29 source files to be analyzed
[INFO] 29/29 source files have been analyzed
[INFO] Sensor TextAndSecretsSensor [text] (done) | time=1088ms
[INFO] ----- Run sensors on project
[INFO] Sensor Zero Coverage Sensor
[INFO] Sensor Zero Coverage Sensor (done) | time=44ms
[INFO] Sensor Java CPD Block Indexer
[INFO] Sensor Java CPD Block Indexer (done) | time=74ms
[INFO] SCM Publisher No SCM system was detected. You can use the 'sonar.scm.provider' property to explicitly specify it.
[INFO] CPD Executor 10 files had no CPD blocks
[INFO] CPD Executor Calculating CPD for 14 files
[INFO] CPD Executor CPD calculation finished (done) | time=52ms
[INFO] Analysis report generated in 225ms, dir size=336.1 kB
[INFO] Analysis report compressed in 382ms, zip size=87.1 kB
[INFO] Analysis report uploaded in 70ms
[INFO] ANALYSIS SUCCESSFUL, you can find the results at: http://localhost:9000/dashboard?id=Pokemon
[INFO] Note that you will be able to access the updated dashboard once the server has processed the submitted analysis report
[INFO] More about the report processing at http://localhost:9000/api/ce/task?id=c219dc6c-76c4-434d-8e5e-3f4562ce3fa5
[INFO] Analysis total time: 20.493 s
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 01:06 min
[INFO] Finished at: 2024-12-23T11:40:42-06:00
[INFO] -----

C:\Users\baruc\Documents\b4ruk4\bankaya\workspace001\Pokemon>
```

Y en SONAR web:

The screenshot shows the SonarQube web interface. The top navigation bar includes links for Projects, Issues, Rules, Quality Profiles, Quality Gates, Administration, and More. A message at the top states: "The way we calculate ratings has changed and it might affect your security, reliability, maintainability and security review ratings. [Learn More](#)".

On the left sidebar, there are filters for Quality Gate (Passed, Failed) and Security (Info, Low, Medium, High, Blocker issues). The main content area shows a project named "Pokemon PUBLIC" with a status of "Failed". Below the project name, it says "Last analysis: 29 minutes ago · 839 Lines of Code · Java, XML".

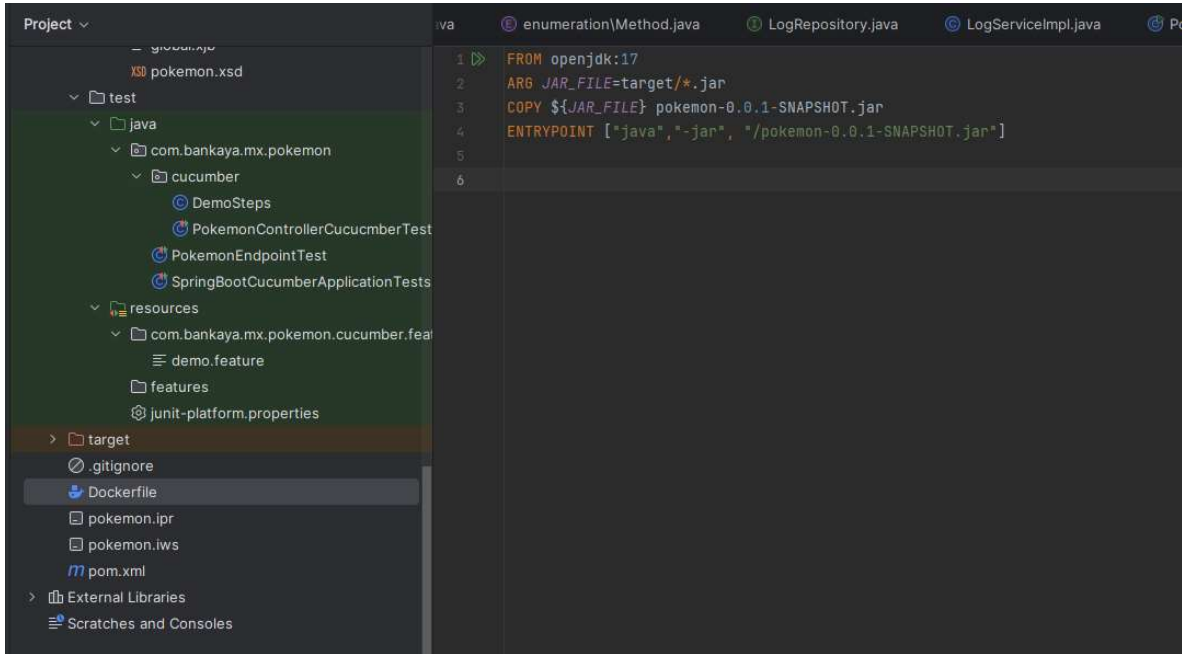
The project's quality metrics are displayed as follows:

Metric	Value
Security	A 0
Reliability	C 3
Maintainability	A 53
Hotspots Reviewed	A —
Coverage	0.0%
Duplications	12.7%

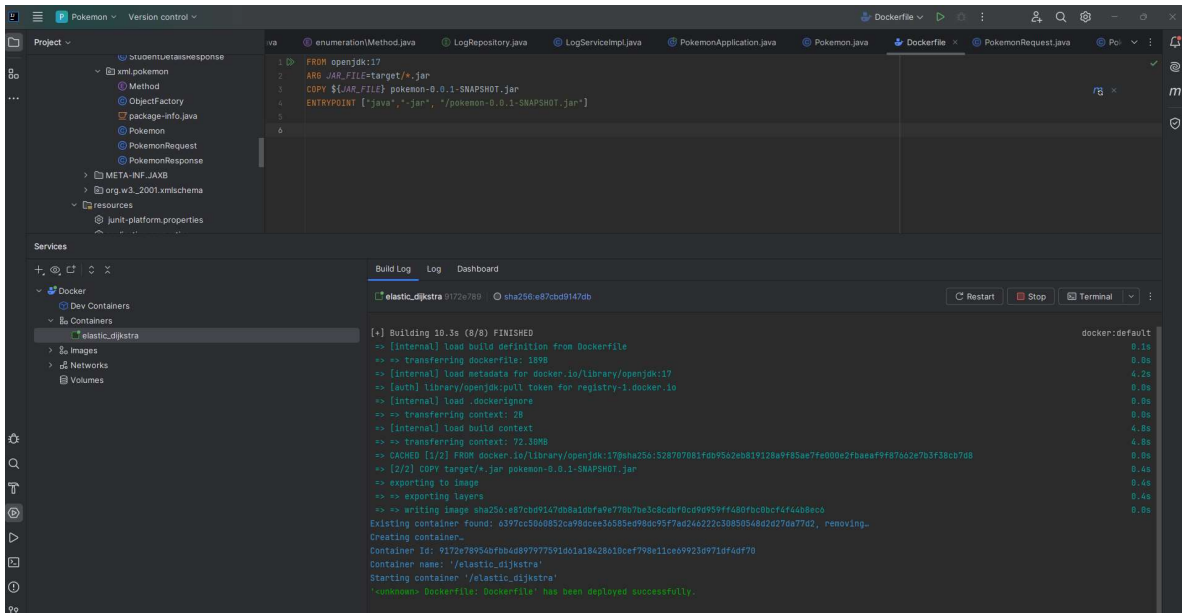
At the bottom, it indicates "1 of 1 shown".

## DOCKER

Se creo el DOCKERFILE



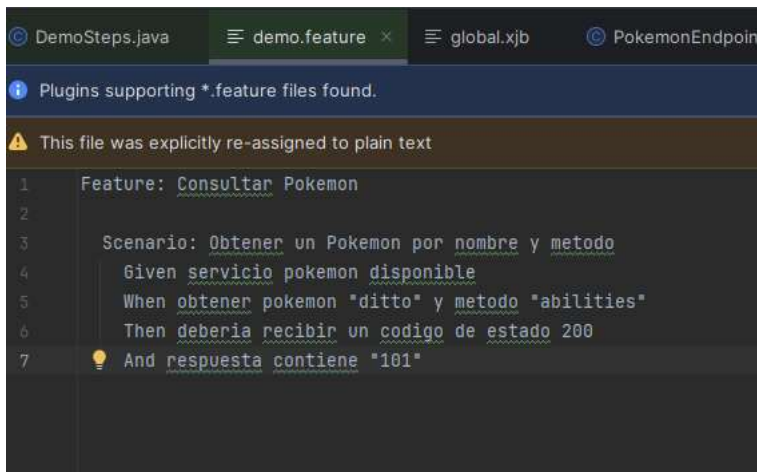
Y para ejecutarse, use el plugin de Docker con IntelliJ y Docker Desktop





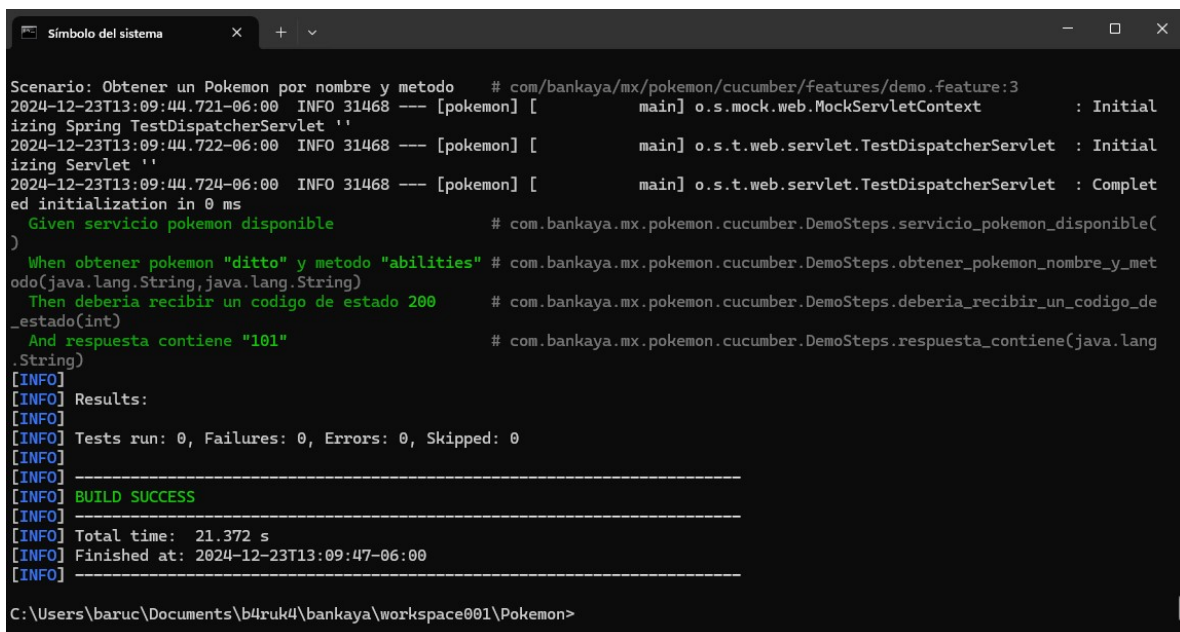
## CUCUMBER

Se creo la clase: DemoSteps con el archivo features:



The screenshot shows an IDE with several tabs: 'DemoSteps.java', 'demo.feature', 'global.xjb', and 'PokemonEndpoint'. The 'demo.feature' tab is active, displaying a Cucumber feature file. At the top, a message states 'Plugins supporting \*.feature files found.' Below this, a warning icon indicates 'This file was explicitly re-assigned to plain text'. The feature file content is as follows:

```
1 Feature: Consultar Pokemon
2
3     Scenario: Obtener un Pokemon por nombre y metodo
4         Given servicio pokemon disponible
5         When obtener pokemon "ditto" y metodo "abilities"
6         Then deberia recibir un codigo de estado 200
7         And respuesta contiene "101"
```



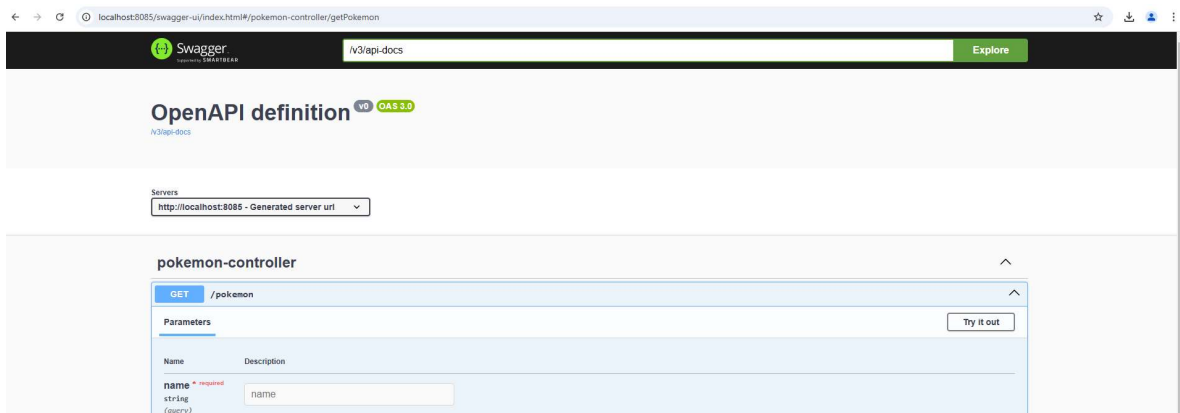
The screenshot shows a terminal window titled 'Símbolo del sistema'. It displays the output of running Cucumber tests. The output includes the scenario being executed, the time taken for each step, and the final results. The tests passed successfully.

```
Scenario: Obtener un Pokemon por nombre y metodo # com.bankaya.mx.pokemon.cucumber.features/demo.feature:3
2024-12-23T13:09:44.721-06:00 INFO 31468 --- [pokemon] [main] o.s.mock.web.MockServletContext : Initial
izing Spring TestDispatcherServlet ''
2024-12-23T13:09:44.722-06:00 INFO 31468 --- [pokemon] [main] o.s.t.web.servlet.TestDispatcherServlet : Initial
izing Servlet ''
2024-12-23T13:09:44.724-06:00 INFO 31468 --- [pokemon] [main] o.s.t.web.servlet.TestDispatcherServlet : Complet
ed initialization in 0 ms
    Given servicio pokemon disponible # com.bankaya.mx.pokemon.cucumber.DemoSteps.servicio_pokemon_disponible(
)
    When obtener pokemon "ditto" y metodo "abilities" # com.bankaya.mx.pokemon.cucumber.DemoSteps.obtener_pokemon_nombre_y_met
odo(java.lang.String,java.lang.String)
    Then deberia recibir un codigo de estado 200 # com.bankaya.mx.pokemon.cucumber.DemoSteps.deberia_recibir_un_codigo_de
_estado(int)
    And respuesta contiene "101" # com.bankaya.mx.pokemon.cucumber.DemoSteps.respuesta_contiene(java.lang
.String)
[INFO]
[INFO] Results:
[INFO] Tests run: 0, Failures: 0, Errors: 0, Skipped: 0
[INFO]
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 21.372 s
[INFO] Finished at: 2024-12-23T13:09:47-06:00
[INFO] -----

C:\Users\baruc\Documents\b4ruk4\bankaya\workspace001\Pokemon>
```

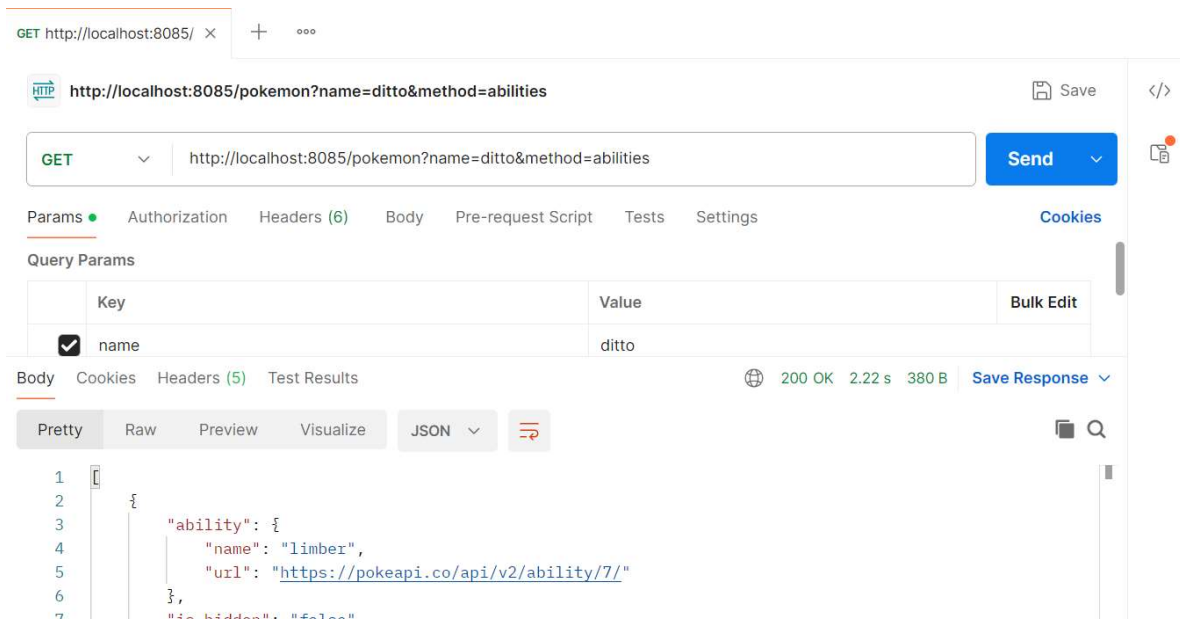


## SWAGGER



Se creo un endpoint que expone un servicio REST y consumen un servicio REST con su implementación de swagger, este servicio en base al método que recibe, solo devuelve la información solicitada:

Ej: abilities





Ej: base\_experience

GET http://localhost:8085/pokemon?name=ditto&method=base\_experience

Send

Params Authorization Headers (6) Body Pre-request Script Tests Settings Cookies

Query Params

Key	Value	Bulk Edit
<input checked="" type="checkbox"/> name	ditto	

Body Cookies Headers (5) Test Results 200 OK 154 ms 167 B Save Response

Pretty Raw Preview Visualize JSON

```
1 101
```

Ej: held\_items

GET http://localhost:8085/pokemon?name=ditto&method=held\_items

Send

Params Authorization Headers (6) Body Pre-request Script Tests Settings Cookies

Query Params

Key	Value	Bulk Edit
<input checked="" type="checkbox"/> name	ditto	

Body Cookies Headers (5) Test Results 200 OK 375 ms 3.71 KB Save Response

Pretty Raw Preview Visualize JSON

```
5     "url": "https://pokeapi.co/api/v2/item/234/"
6   },
7   "version_details": [
8     {
9       "rarity": 5,
10      "version": {
11        "name": "ruby",
12        "url": "https://pokeapi.co/api/v2/version/12/"
```

Si después d compilar presentas errores, agregre dos clases java que reemplazan las existentes: Pokemon.java & ObjectFactory.java