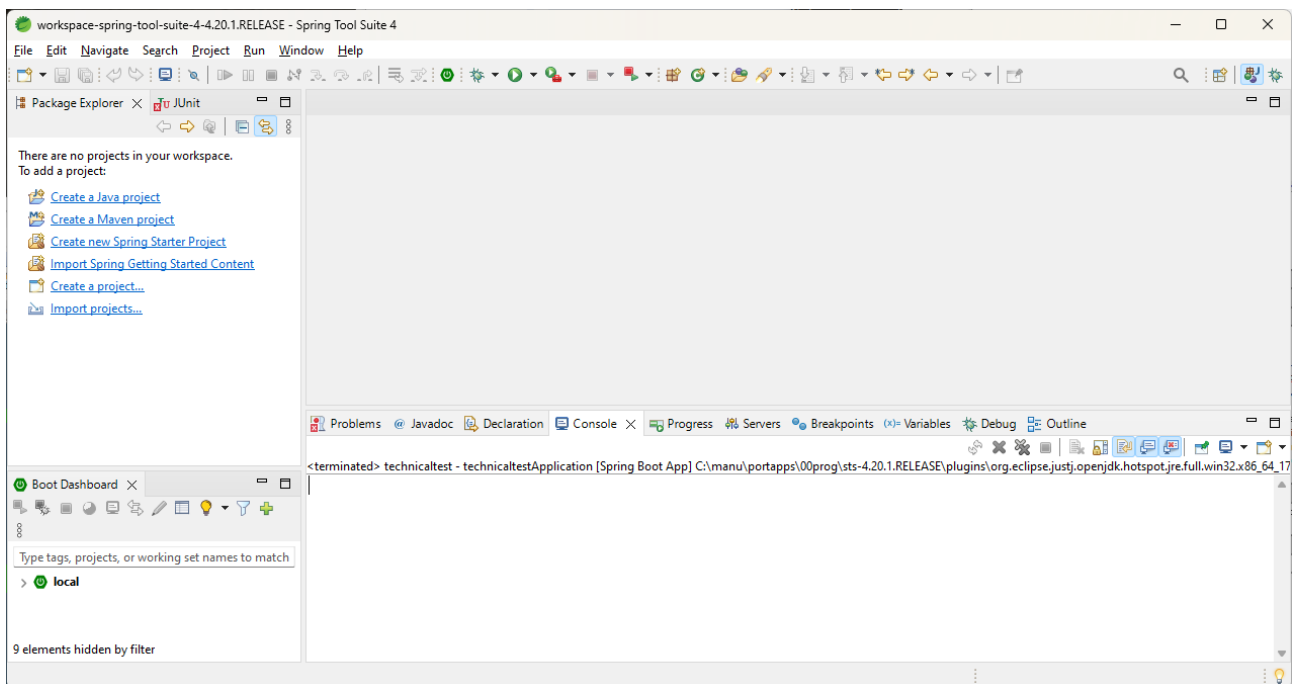


# Prueba Técnica de Mayoral a Manuel Yáñez

Pasos a realizar para probar el código :

1. El IDE utilizado es el STS :



2. Clonar el repositorio :

git clone <https://github.com/manuelyt/technicaltest.git>

```
Símbolo del sistema

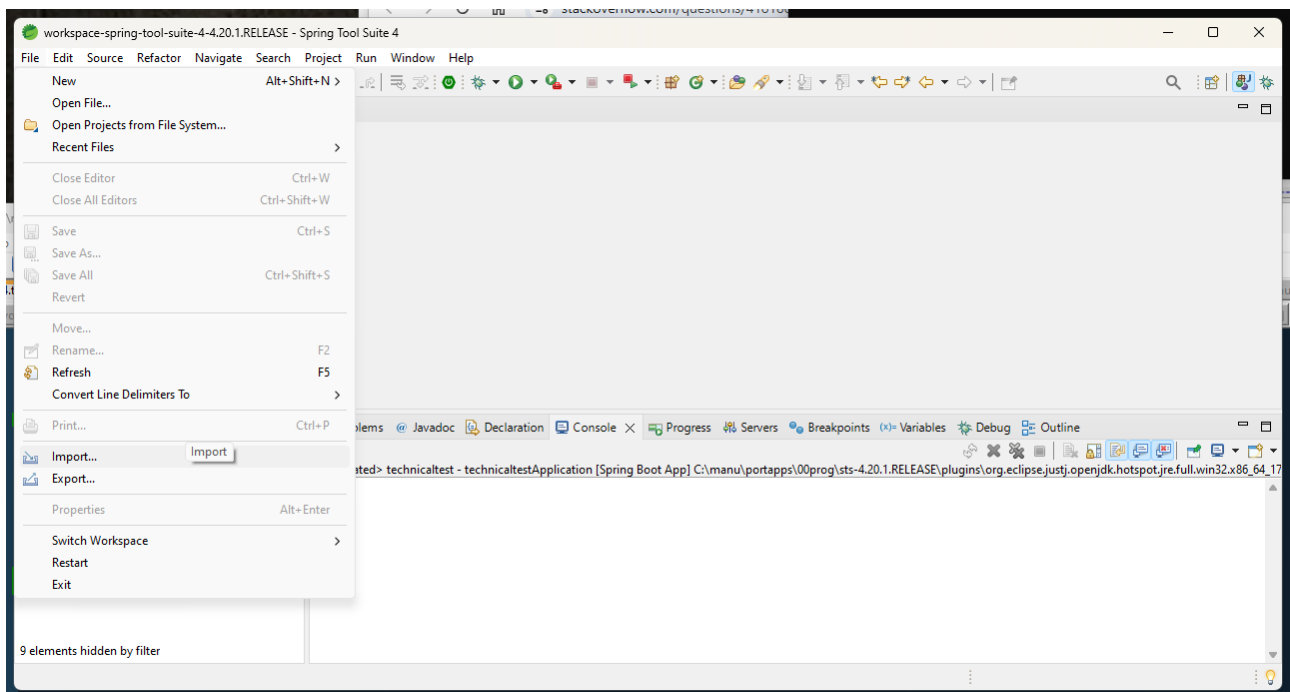
C:\manu\curro\1-21>mkdir dg

C:\manu\curro\1-21>cd dg

C:\manu\curro\1-21\dg>git clone https://github.com/manuelyt/technicaltest.git
Cloning into 'technicaltest'...
remote: Enumerating objects: 41, done.
remote: Counting objects: 100% (41/41), done.
remote: Compressing objects: 100% (26/26), done.
remote: Total 41 (delta 3), reused 41 (delta 3), pack-reused 0 (from 0)
Receiving objects: 100% (41/41), 15.45 KiB | 687.00 KiB/s, done.
Resolving deltas: 100% (3/3), done.

C:\manu\curro\1-21\dg>_
```

### 3. Importar el proyecto :



## Maven Projects

Select Maven projects

Root Directory: C:\manu\curro\1-21\dg\technicaltest

Browse...

Projects:

☒ /pom.xml com.technical:technicaltest:0.0.1-SNAPSHOT:jar

Select All

Deselect All

Select Tree

Deselect Tree

Refresh

☐ Add project(s) to working set

technicaltest

► Advanced



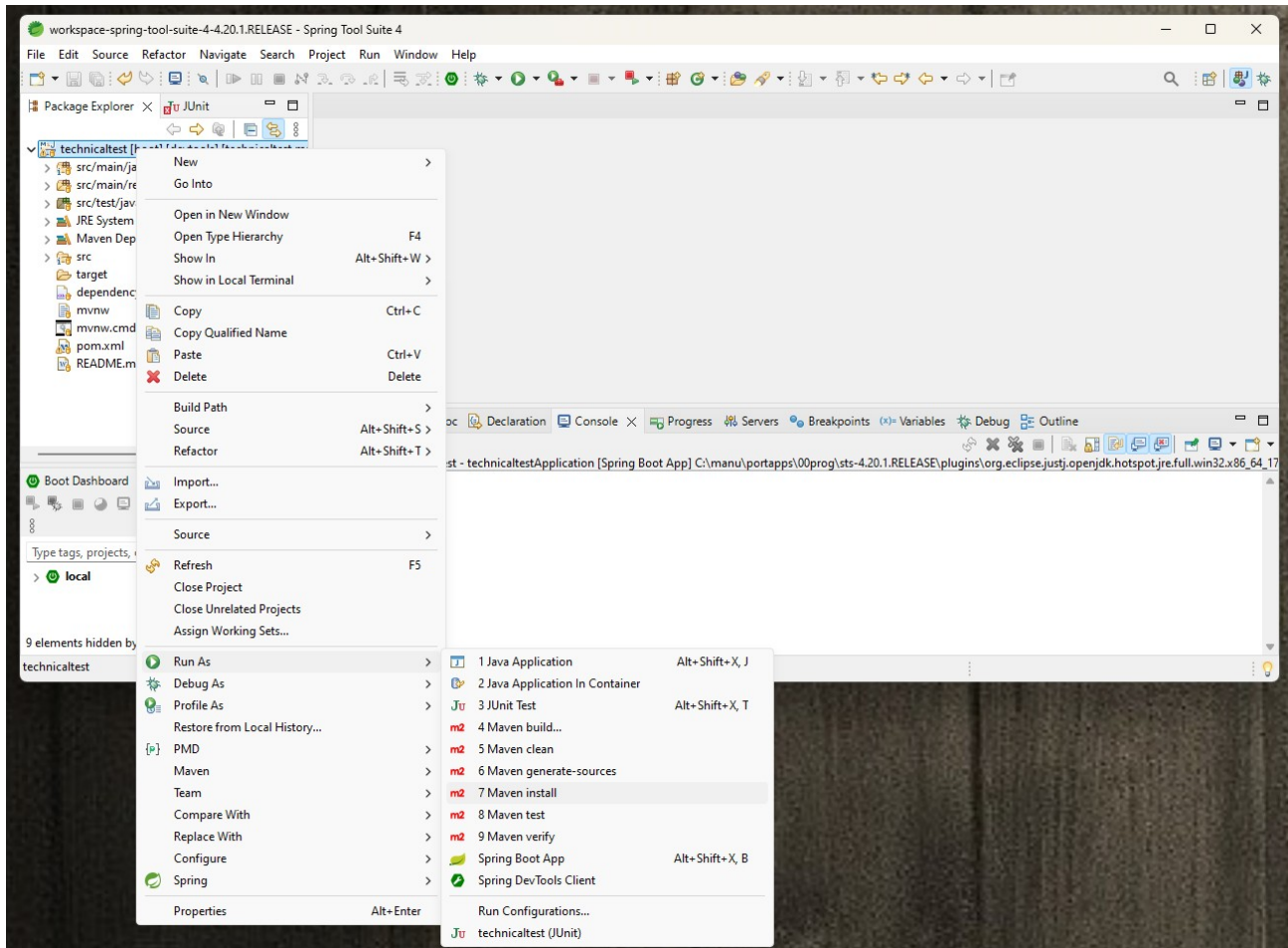
< Back

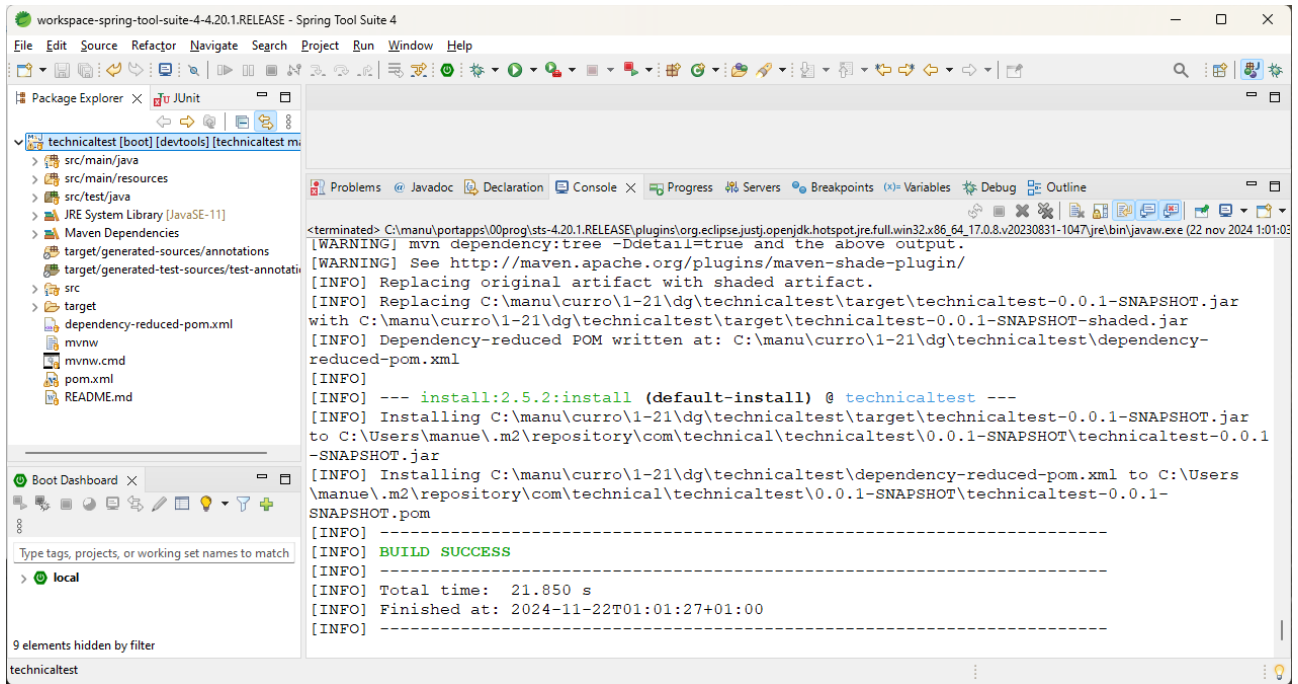
Next >

Finish

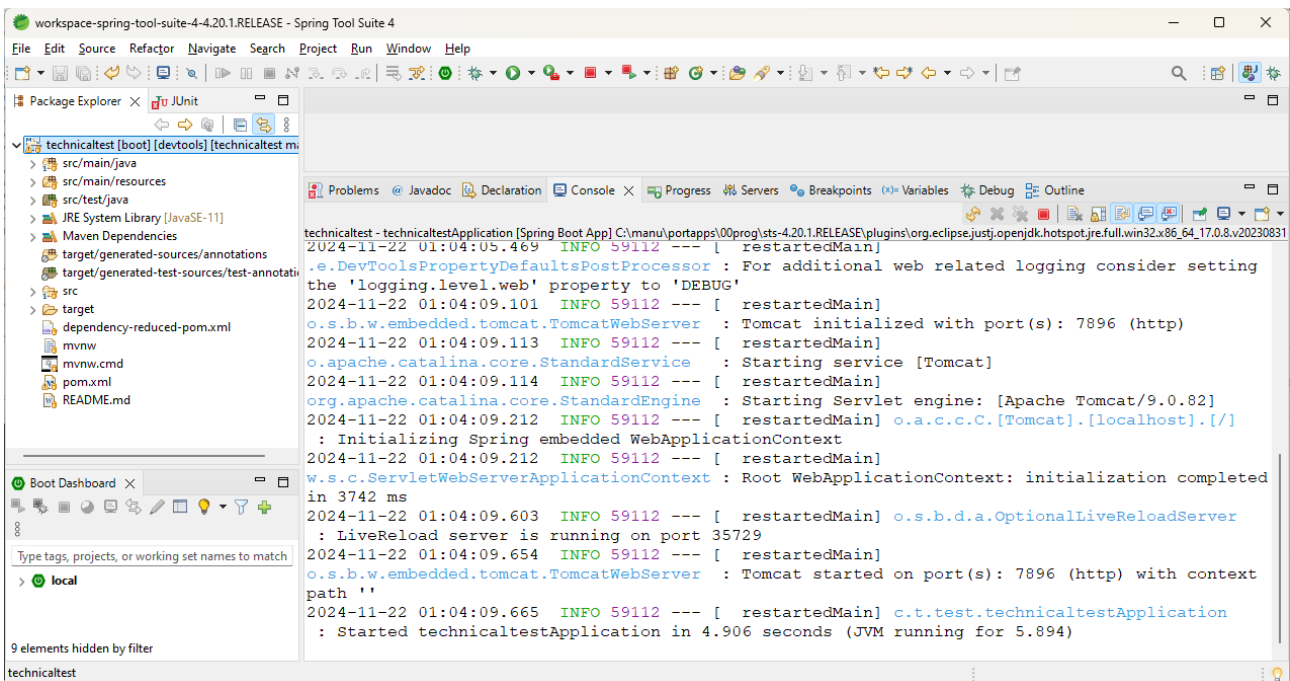
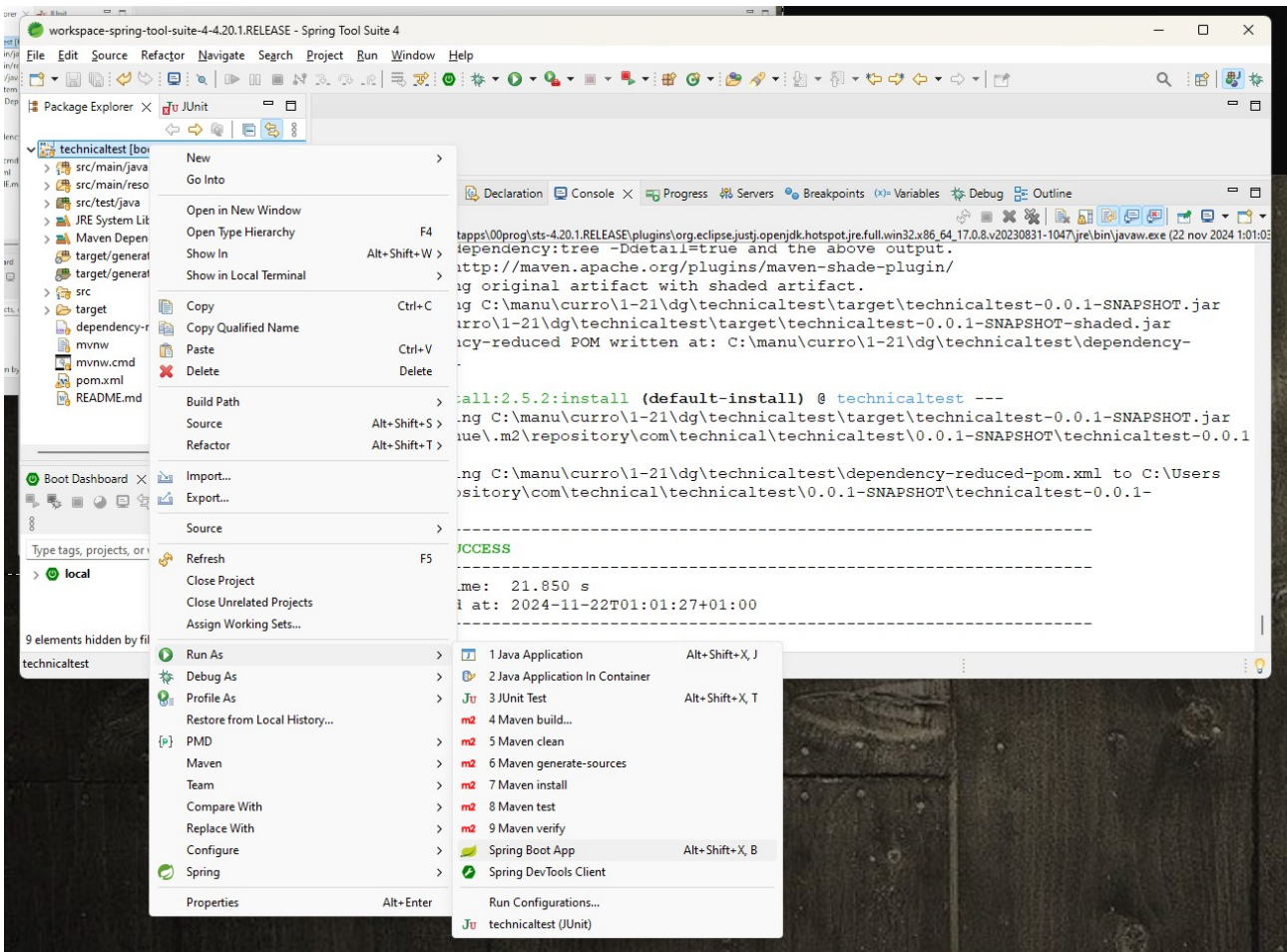
Cancel

## 4. Maven install





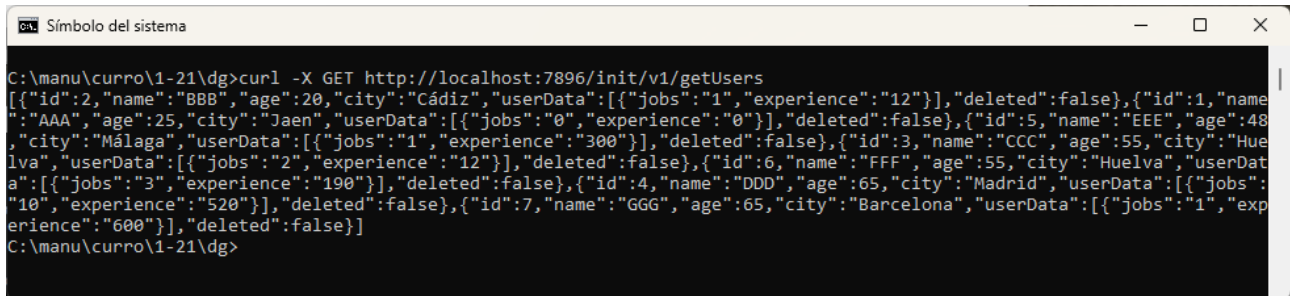
### 5. Run as Spring Boot App :



6. Se prueban los 4 endpoints :

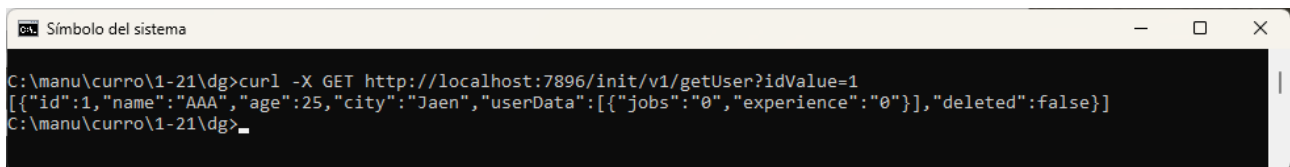
```
curl -X GET http://localhost:7896/init/v1/getUsers
curl -X GET http://localhost:7896/init/v1/getUser?idValue=1
curl -X PUT http://localhost:7896/init/v1/putCiudad/1/Jaen
curl -X DELETE http://localhost:7896/init/v1/deleteUser/1
```

1. listado



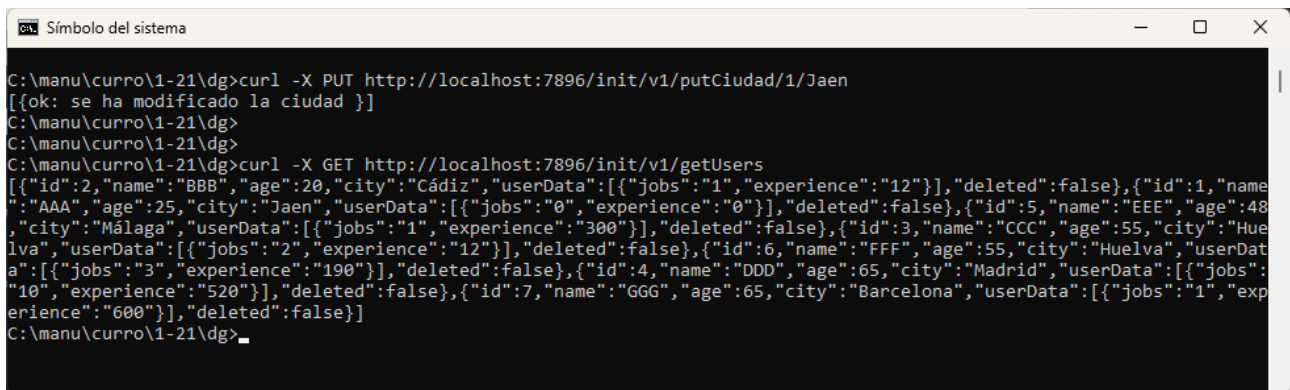
```
Símbolo del sistema
C:\manu\curro\1-21\dg>curl -X GET http://localhost:7896/init/v1/getUsers
[{"id":2,"name":"BBB","age":20,"city":"Cádiz","userData":[{"jobs":"1","experience":"12"}],"deleted":false}, {"id":1,"name":"AAA","age":25,"city":"Jaen","userData":[{"jobs":"0","experience":"0"}],"deleted":false}, {"id":5,"name":"EEE","age":48,"city":"Málaga","userData":[{"jobs":"1","experience":"300"}],"deleted":false}, {"id":3,"name":"CCC","age":55,"city":"Huelva","userData":[{"jobs":"2","experience":"12"}],"deleted":false}, {"id":6,"name":"FFF","age":55,"city":"Huelva","userData":[{"jobs":"3","experience":"190"}],"deleted":false}, {"id":4,"name":"DDD","age":65,"city":"Madrid","userData":[{"jobs":"10","experience":"520"}],"deleted":false}, {"id":7,"name":"GGG","age":65,"city":"Barcelona","userData":[{"jobs":"1","experience":"600"}],"deleted":false}]
C:\manu\curro\1-21\dg>
```

2. obtener un usuario



```
Símbolo del sistema
C:\manu\curro\1-21\dg>curl -X GET http://localhost:7896/init/v1/getUser?idValue=1
[{"id":1,"name":"AAA","age":25,"city":"Jaen","userData":[{"jobs":"0","experience":"0"}],"deleted":false}]
C:\manu\curro\1-21\dg>
```

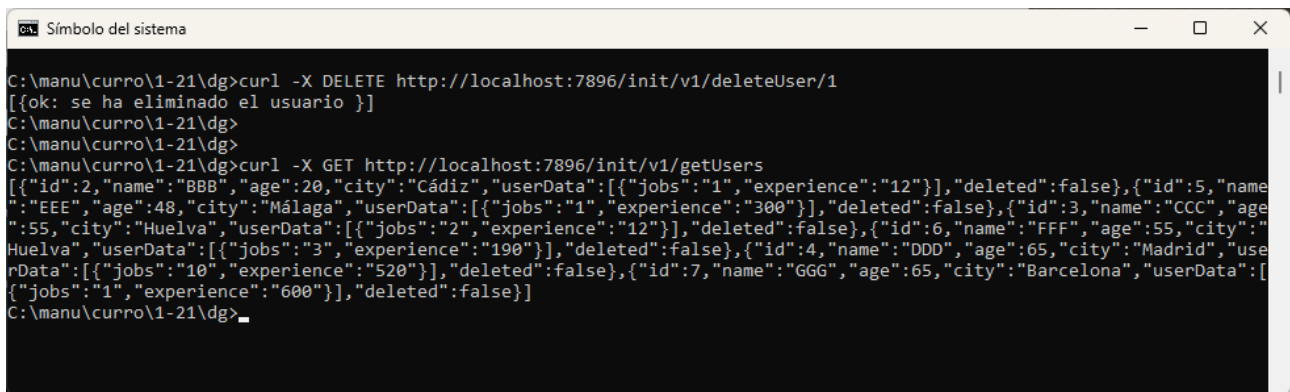
3. modificar la ciudad



```
Símbolo del sistema
C:\manu\curro\1-21\dg>curl -X PUT http://localhost:7896/init/v1/putCiudad/1/Jaen
[{ok: se ha modificado la ciudad }]
C:\manu\curro\1-21\dg>
C:\manu\curro\1-21\dg>
C:\manu\curro\1-21\dg>curl -X GET http://localhost:7896/init/v1/getUsers
[{"id":2,"name":"BBB","age":20,"city":"Cádiz","userData":[{"jobs":"1","experience":"12"}],"deleted":false}, {"id":1,"name":"AAA","age":25,"city":"Jaen","userData":[{"jobs":"0","experience":"0"}],"deleted":false}, {"id":5,"name":"EEE","age":48,"city":"Málaga","userData":[{"jobs":"1","experience":"300"}],"deleted":false}, {"id":3,"name":"CCC","age":55,"city":"Huelva","userData":[{"jobs":"2","experience":"12"}],"deleted":false}, {"id":6,"name":"FFF","age":55,"city":"Huelva","userData":[{"jobs":"3","experience":"190"}],"deleted":false}, {"id":4,"name":"DDD","age":65,"city":"Madrid","userData":[{"jobs":"10","experience":"520"}],"deleted":false}, {"id":7,"name":"GGG","age":65,"city":"Barcelona","userData":[{"jobs":"1","experience":"600"}],"deleted":false}]
C:\manu\curro\1-21\dg>
```



#### 4. eliminar usuario



```
Símbolo del sistema
C:\manu\curro\1-21\dg>curl -X DELETE http://localhost:7896/init/v1/deleteUser/1
[{"ok: se ha eliminado el usuario }]
C:\manu\curro\1-21\dg>
C:\manu\curro\1-21\dg>
C:\manu\curro\1-21\dg>curl -X GET http://localhost:7896/init/v1/getUsers
[{"id":2,"name":"BBB","age":20,"city":"Cádiz","userData":[{"jobs":"1","experience":"12"}],"deleted":false}, {"id":5,"name":"EEE","age":48,"city":"Málaga","userData":[{"jobs":"1","experience":"300"}],"deleted":false}, {"id":3,"name":"CCC","age":55,"city":"Huelva","userData":[{"jobs":"2","experience":"12"}],"deleted":false}, {"id":6,"name":"FFF","age":55,"city":"Huelva","userData":[{"jobs":"3","experience":"190"}],"deleted":false}, {"id":4,"name":"DDD","age":65,"city":"Madrid","userData":[{"jobs":"10","experience":"520"}],"deleted":false}, {"id":7,"name":"GGG","age":65,"city":"Barcelona","userData":[{"jobs":"1","experience":"600"}],"deleted":false}]
C:\manu\curro\1-21\dg>
```

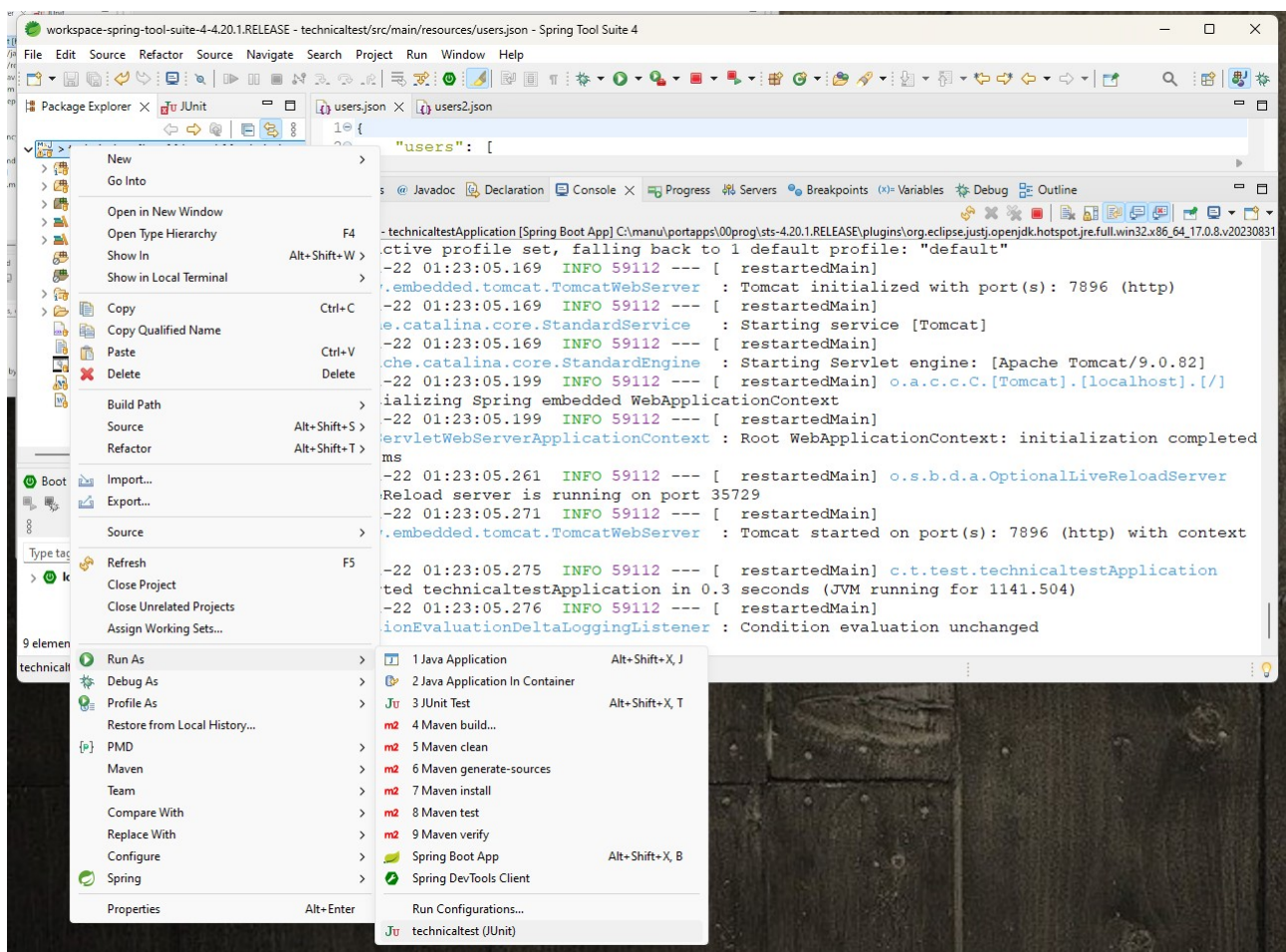
Al ejecutar la modificación y la eliminación, para que el servidor coja los cambios, hay que reiniciar el servidor

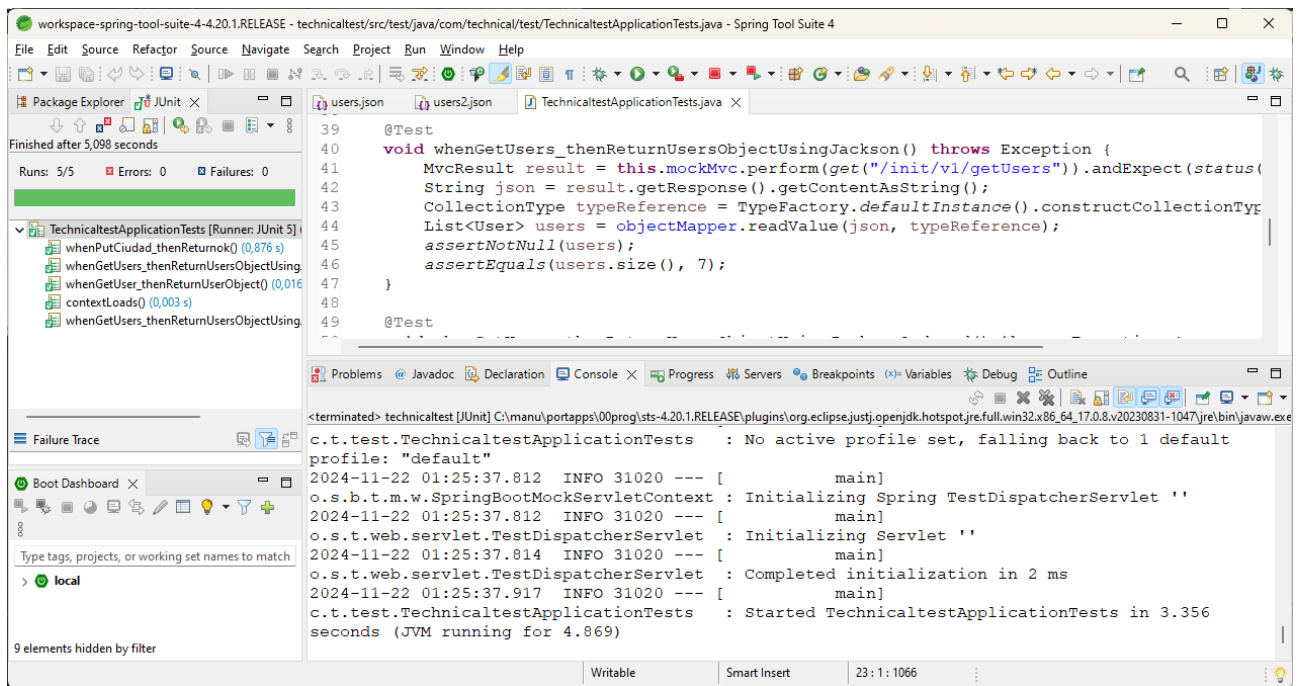
Esto es así porque como los datos están en el fichero user.json, cuando lo modificamos, modificamos el fichero original, no que se sube a el servidor ( el fichero que se sube al servidor esta en la carpeta target ). Cuando se reinicia el servidor, se carga correctamente.

Si en vez de un archivo json se hubiese utilizado una bbdd normal ( oracle, mysql, ... ), o una bbdd embebida no hubiésemos tenido ese problema.



## 7. Ejecutar los casos de prueba de los endpoints





# Conclusiones

1. Se han completado los 7 objetivos de la prueba
2. Se han completado 2 de los 3 objetivos extra de la prueba

Si en vez de usar como origen de datos el json se hubiese utilizado una bbdd embebida el resultado hubiese sido mejor.

Se ha utilizado el json como origen de datos porque he pensado que eso es lo que se Alejandro Villergas hubiese preferido, por la conversación que tuve el jueves por la mañana. El me comentó que quería que se comprobara el manejo de json s.

Intente implementar el objetivo de JWT, pero como vi que me iba a requerir más tiempo he preferido entregaros ya lo que hice el jueves (21/11/2024).

( Con spring boot 3 y java17, creo que me hubiese sido mas sencillo, para JWT hay mas documentación )