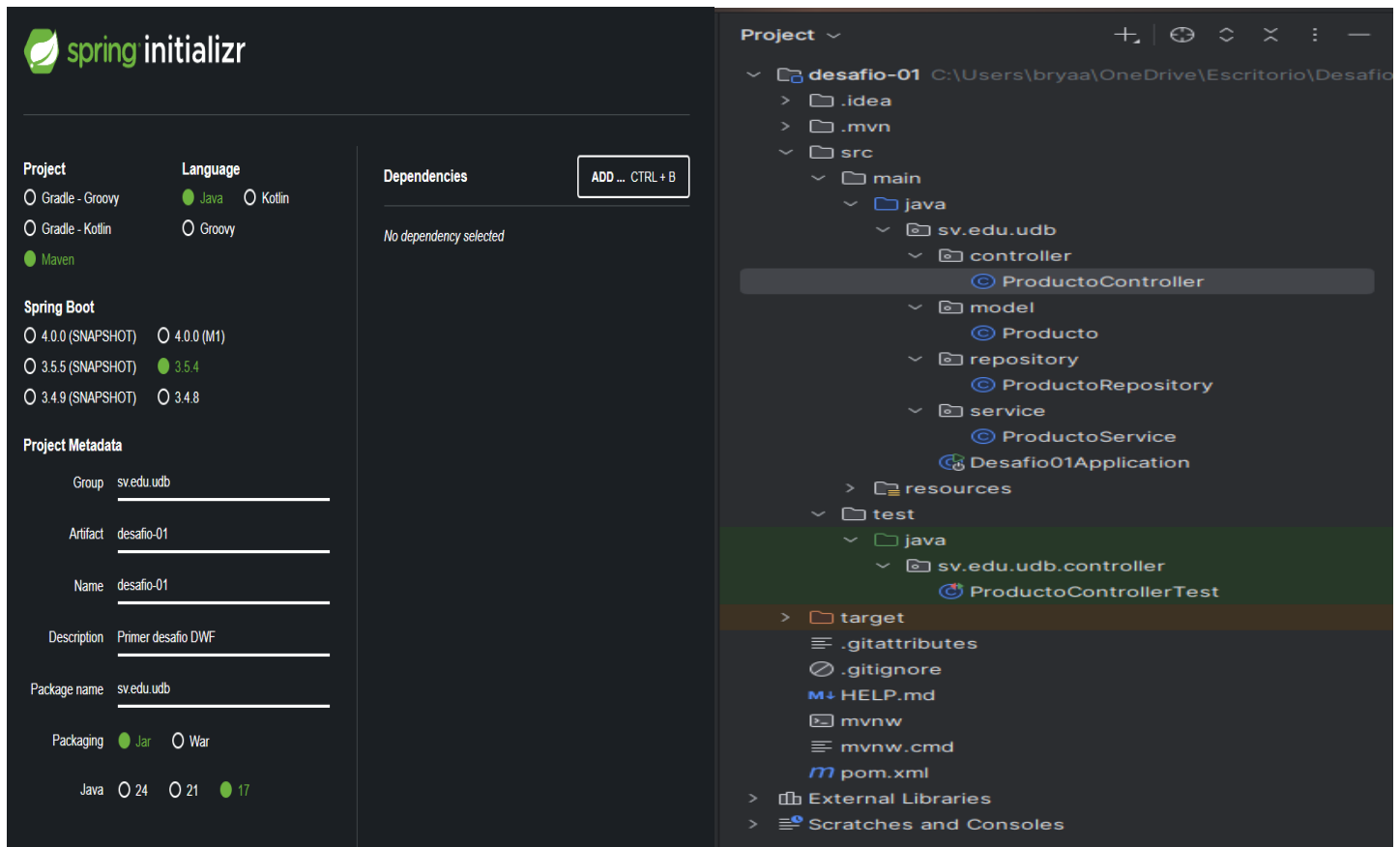
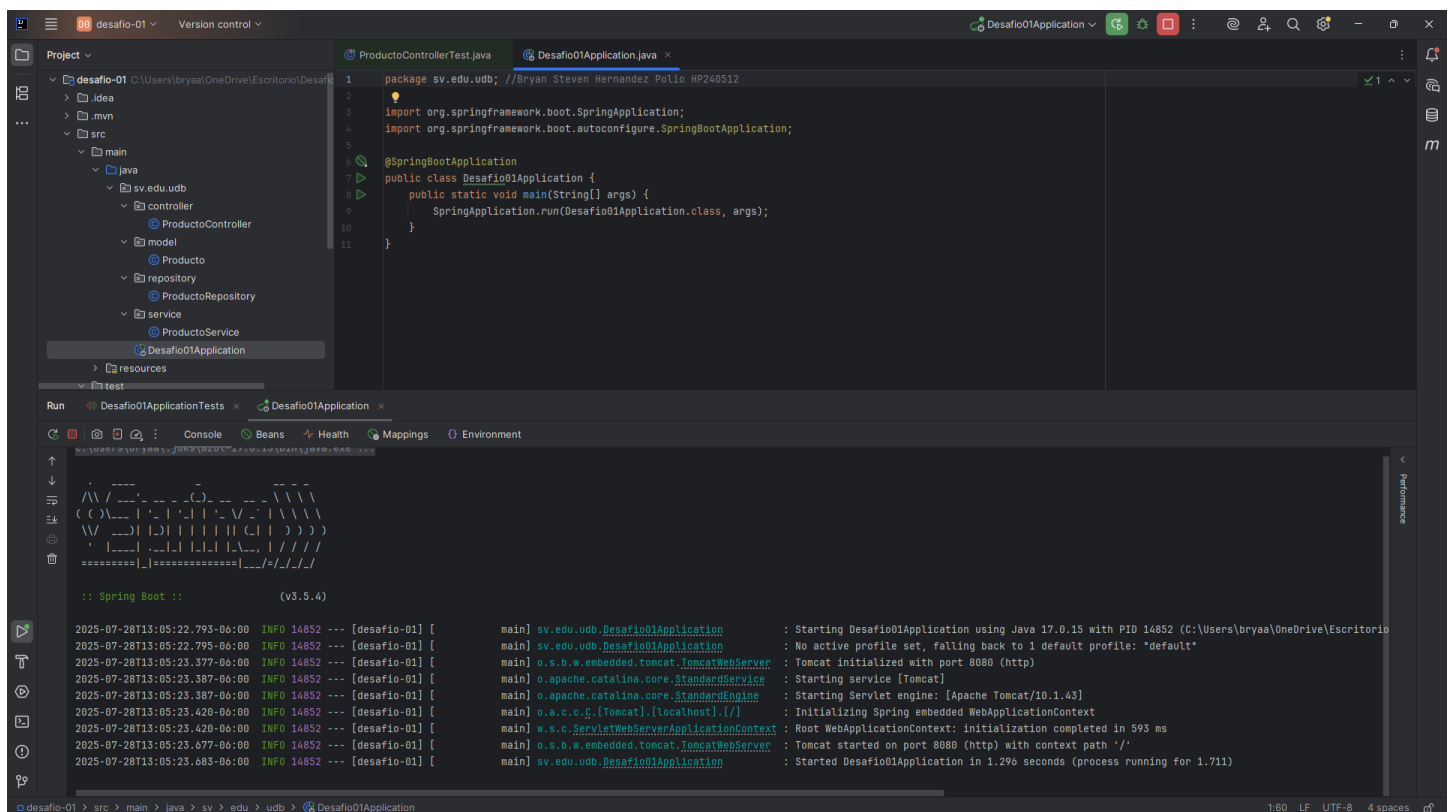


Bryan Steven Hernandez Polio ---- HP240512 ----- Desafio01_DWF

Creación de proyecto / Estructura del mismo:



Ejecución de la Aplicación ya terminada, por medio de Desafio01Application:



Prueba de POST:

The screenshot shows the Postman interface with a POST request to `http://localhost:8080/productos`. The request body is a JSON object:

```
1 {
2   "nombre": "Sopa Maggi",
3   "cantidad": 2,
4   "precio": 1.20
5 }
6
```

The response is a `200 OK` status with a response time of 6 ms and a body of 198 B. The response body is displayed in the "Raw" tab as:

```
1 Producto registrado correctamente.
```

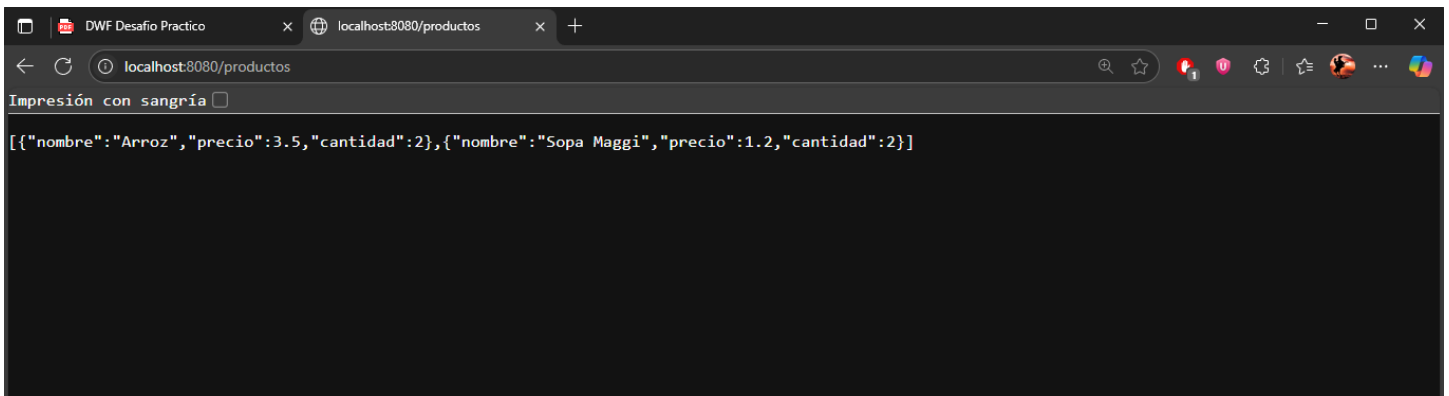
Prueba de GET:

The screenshot shows the Postman interface with a GET request to `http://localhost:8080/productos`. The response is a `200 OK` status with a response time of 3 ms and a body of 260 B. The response body is displayed in the "JSON" tab as:

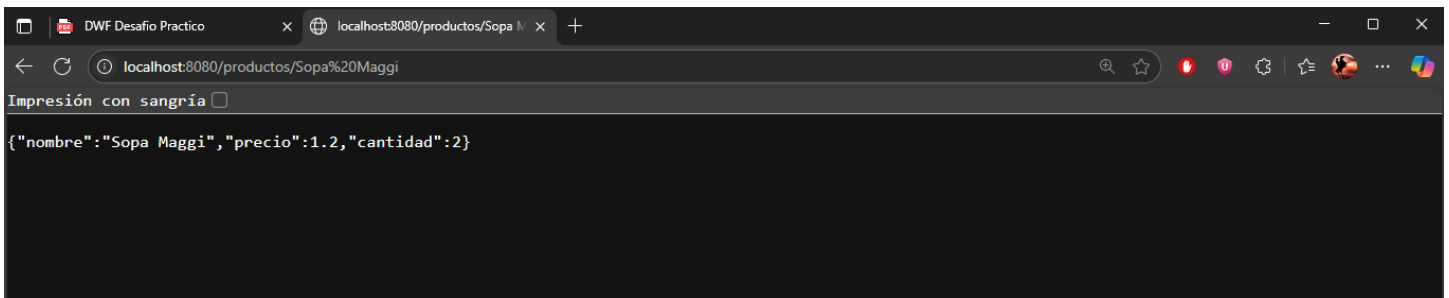
```
1 [
2   {
3     "nombre": "Arroz",
4     "precio": 3.5,
5     "cantidad": 2
6   },
7   {
8     "nombre": "Sopa Maggi",
9     "precio": 1.2,
10    "cantidad": 2
11  }
12 ]
```

Pruebas en navegador para ver los registros anteriores de Postman:

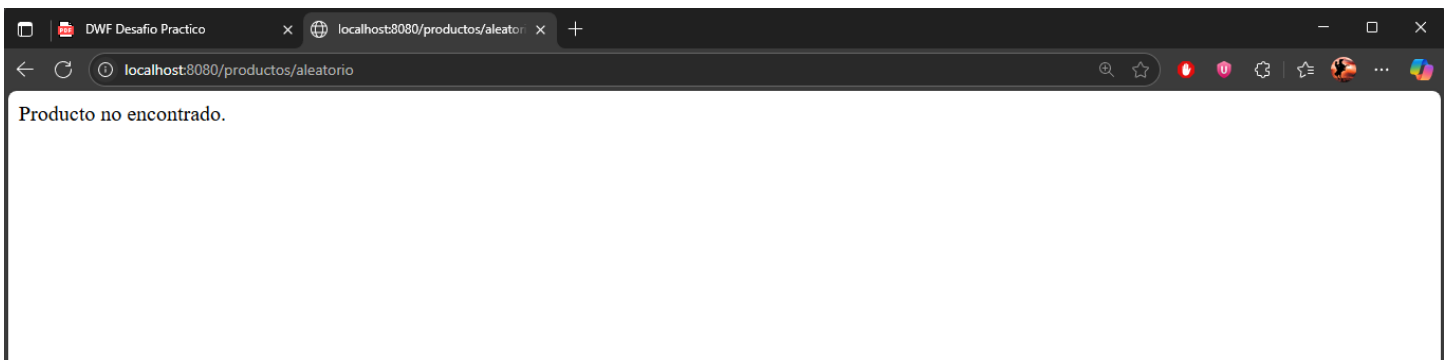
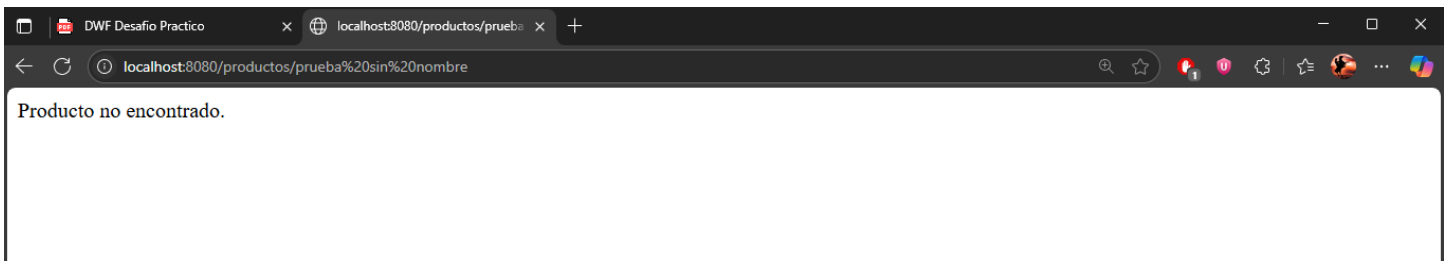
Productos en general, registrados anteriormente:



Buscando el producto por nombre en específico registrado:



Pruebas por medio de nombres aleatorios o que no fueron registrados nos darán el siguiente resultado:



Pruebas unitarias ejecutadas, para ver el funcionamiento correcto de Post / Get en
ProductoControllerTest:

The screenshot shows an IDE with the following components:

- Project Explorer:** Shows the project structure with packages like `sv.edu.udb.controller` and `sv.edu.udb.controller`. The `ProductoControllerTest` file is selected.
- Editor:** Displays the `ProductoControllerTest.java` file. The code includes imports for JUnit, Spring Framework, and Mockito. It defines a `MockMvc` instance and a `productoJson` string. The test methods are `testListarProductos()`, `testBuscarProductoExistente()`, `testBuscarProductoNoExistente()`, and `testRegistrarProducto()`.
- Run Console:** Shows the output of the tests. All tests passed. The console also displays the Spring Boot application running, with the message `INFO org.springframework.boot.test.context.SpringBootTestContextBootstrapper -- Found @SpringBootConfiguration sv.edu.udb.Desafio01Application for`.

```
package sv.edu.udb.controller; //Bryan Steven Hernandez Polio HP240512

import org.junit.jupiter.api.BeforeEach;
import org.junit.jupiter.api.Test;
import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.boot.test.autoconfigure.web.servlet.AutoConfigureMockMvc;
import org.springframework.boot.test.context.SpringBootTest;
import org.springframework.http.MediaType;
import org.springframework.test.web.servlet.MockMvc;

import static org.springframework.test.web.servlet.request.MockMvcRequestBuilders.get;
import static org.springframework.test.web.servlet.request.MockMvcRequestBuilders.post;
import static org.springframework.test.web.servlet.result.MockMvcResultMatchers.*;

@SpringBootTest
@AutoConfigureMockMvc
public class ProductoControllerTest {

    @Autowired
    private MockMvc mockMvc;

    private final String productoJson = """
        {
            "nombre": "Arroz",
            "cantidad": 2,
            "precio": 3.50
        }
    """;

    @Test
    void testListarProductos() throws Exception {
        // ...
    }

    @Test
    void testBuscarProductoExistente() throws Exception {
        // ...
    }

    @Test
    void testBuscarProductoNoExistente() throws Exception {
        // ...
    }

    @Test
    void testRegistrarProducto() throws Exception {
        // ...
    }
}
```

Run Console Output:

```
13:06:09.275 [main] INFO org.springframework.test.context.support.AnnotationConfigContextLoaderUtils -- Could not detect default configuration classes for test class [sv.edu.udb.controller.ProductoControllerTest]: no configuration classes found in the package [sv.edu.udb.controller]
13:06:09.445 [main] INFO org.springframework.boot.test.context.SpringBootTestContextBootstrapper -- Found @SpringBootConfiguration sv.edu.udb.Desafio01Application for
```