

Este documento busca mostrar el funcionamiento y las pruebas realizadas para validar el funcionamiento del proyecto con microservicios que fue llevado a cabo. Para ello, se utilizó Postman para confirmar sus respuestas.

Se utilizó el perfil de dev para realizar estas mismas.

Productos

GET <http://localhost:8081/api/productos>

The screenshot shows a Postman interface with a collection named 'Microservicios' and a sub-collection 'Productos'. The selected item is 'Ver todos'. The request is a GET to 'http://localhost:8081/api/productos'. The response is a 200 OK with a body containing a JSON array of two product objects.

```
1 [
2   {
3     "id": 3,
4     "nombre": "Teclado Mecánico",
5     "descripcion": "Teclado RGB",
6     "precio": 88.8,
7     "stock": 38,
8     "activo": true,
9     "fechaCreacion": [
10      2025,
11      11,
12      1,
13      19,
14      55,
15      37,
16      862263888
17    ]
18  },
19  {
20    "id": 2,
21    "nombre": "Mouse Logitech",
22    "descripcion": "Mouse inalámbrico",
```

GET <http://localhost:8081/api/productos/{id}>

En caso de existir ese id:

The screenshot shows a Postman interface with a collection named 'Microservicios' and a sub-collection 'Productos'. The selected item is 'Ver por ID'. The request is a GET to 'http://localhost:8081/api/productos/1'. The response is a 200 OK with a body containing a JSON object for a product with id 1.

```
1 {
2   "id": 1,
3   "nombre": "Laptop Dell",
4   "descripcion": "Laptop i7 16GB RAM",
5   "precio": 1288.8,
6   "stock": 8,
7   "activo": true,
8   "fechaCreacion": [
9     2025,
10    11,
11    1,
12    19,
13    55,
14    37,
15    862263888
16  ]
17 }
```

En caso de no existir el id:

Microservicios / Productos / Ver por ID

GET <http://localhost:8081/api/productos/100> Send

Params Authorization Headers (7) Body Scripts Settings Cookies

Query Params

Key	Value	Description
Key	Value	Description

Body Cookies Headers (12) Test Results

200 OK • 9 ms • 421 B Save Response

```
1 {
2   "status": 400,
3   "message": "Producto no encontrado con id: 100"
4 }
```

Activate Windows
Go to Settings to activate Windows.

GET <http://localhost:8081/api/productos/bajo-stock/{stock}>

Microservicios / Productos / Productos con stock bajo

GET <http://localhost:8081/api/productos/bajo-stock/5> Send

Params Authorization Headers (7) Body Scripts Settings Cookies

Query Params

Key	Value	Description
Key	Value	Description

Body Cookies Headers (12) Test Results

200 OK • 10 ms • 453 B Save Response

```
1 [
2   {
3     "id": 6,
4     "nombre": "Laptop Dell",
5     "stock": 0
6   },
7   {
8     "id": 5,
9     "nombre": "Laptop Dell",
10    "stock": 0
11  }
12 ]
```

Activate Windows
Go to Settings to activate Windows.

POST <http://localhost:8081/api/productos>

Funcionamiento correcto:

Microservicios / Productos / Agregar productos

POST Send

Params Authorization Headers (9) Body Scripts Settings Cookies

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL JSON Schema Beautify

```
1 {
2   "nombre": "Laptop Dell",
3   "descripcion": "Laptop i7 16GB RAM",
4   "precio": 1250.0,
```

Body Cookies Headers (12) Test Results 201 Created 34 ms 520 B Save Response

{} JSON Preview Visualize

```
1 {
2   "id": 9,
3   "nombre": "Laptop Dell",
4   "descripcion": "Laptop i7 16GB RAM",
5   "precio": 1250.0,
6   "stock": 20,
7   "activo": true,
8   "fechaCreacion": [
9     2025,
10    11,
11    1,
12    19,
13    55,
14    37,
15    862263000
```

Activate Windows
Go to Settings to activate Windows.

En caso se coloque un stock menor a 0:

Callán's Workspace New Import GET http://localhost:8888/m POST Agregar productos No environment

Microservicios / Productos / Agregar productos

POST Send

Params Authorization Headers (9) Body Scripts Settings Cookies

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL JSON Schema Beautify

```
4   "precio": 1250.0,
5   "stock": -20,
6   "activo": true,
```

Body Cookies Headers (12) Test Results 200 OK 47 ms 422 B Save Response

{} JSON Preview Visualize

```
1 {
2   "status": 400,
3   "message": "Valor inválido para el campo stock"
4 }
```

Activate Windows
Go to Settings to activate Windows.

En caso se coloque un precio menor a 0:

Callán's Workspace **New** **Import** GET http://localhost:8888/m POST Agregar productos + No environment

Microservicios / Productos / Agregar productos Save Share

POST http://localhost:8081/api/productos Send

Params Authorization Headers (9) Body Scripts Settings Cookies

none form-data x-www-form-urlencoded raw binary GraphQL JSON Schema Beautify

```
2 {
3   "nombre": "Laptop Dell",
4   "descripcion": "Laptop i7 16GB RAM",
5   "precio": -1250.0,
6   "stock": 20,
7 }
```

Body Cookies Headers (12) Test Results 200 OK 15 ms 423 B Save Response

JSON Preview Visualize

```
1 {
2   "status": 400,
3   "message": "Valor inválido para el campo precio"
4 }
```

Activate Windows
Go to Settings to activate Windows.

PUT <http://localhost:8081/api/productos/{id}>

Callán's Workspace **New** **Import** GET http://localhost:8888/m PUT Modificar productos + No environment

Microservicios / Productos / Modificar productos Save Share

PUT http://localhost:8081/api/productos/8 Send

Params Authorization Headers (9) Body Scripts Settings Cookies

none form-data x-www-form-urlencoded raw binary GraphQL JSON Schema Beautify

```
1 {
2   "nombre": "Laptop Dell",
3   "descripcion": "Laptop i7 16GB RAM",
4   "precio": 1250.0,
5   "stock": 10,
6   "activo": true,
7   "fechaCreacion": [
8     2025,
9     11,
10  ]
11 }
```

Body Cookies Headers (12) Test Results 200 OK 20 ms 515 B Save Response

JSON Preview Visualize

```
1 {
2   "id": 8,
3   "nombre": "Laptop Dell",
4   "descripcion": "Laptop i7 16GB RAM",
5   "precio": 1250.0,
6   "stock": 10,
7   "activo": true,
8   "fechaCreacion": [
9     2025,
10    11,
11  ]
12 }
```

Activate Windows
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DELETE <http://localhost:8081/api/productos/{id}>

Callán's Workspace New Import GET http://localhost:8888/m DEL Borrar productos No environment

Microservicios / Productos / **Borrar productos** Save Share

DELETE http://localhost:8081/api/productos/9 Send

Params Authorization Headers (7) Body Scripts Settings Cookies

Query Params

Key	Value	Description	Bulk Edit
Key	Value	Description	

Body Cookies Headers (10) Test Results 204 No Content 6 ms 316 B Save Response

Raw Preview Visualize

1

Activate Windows
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PATCH <http://localhost:8081/api/productos/{id}/stock>

En caso de enviar una cantidad válida:

Callán's Workspace New Import GET http://localhost:8888/m PATCH Actualizar Stock No environment

Microservicios / Productos / **Actualizar Stock** Save Share

PATCH http://localhost:8081/api/productos/7/stock Send

Params Authorization Headers (10) **Body** Scripts Settings Cookies

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL ☐ JSON Schema Beautify

```

1 {
2   "cantidad": 1
3 }

```

Body Cookies Headers (11) Test Results 200 OK 7 ms 327 B Save Response

Raw Preview Visualize

1

Activate Windows
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En caso de enviar una cantidad que supere al stock:

Callán's Workspace

New Import

GET http://localhost:8888/m PATCH Actualizar Stock

Microservicios / Productos / Actualizar Stock

PATCH http://localhost:8081/api/productos/5/stock

Send

Params Authorization Headers (10) Body Scripts Settings Cookies

none form-data x-www-form-urlencoded raw binary GraphQL JSON Schema Beautify

```
1 {
2   "cantidad": 100
3 }
```

Body Cookies Headers (12) Test Results

200 OK 33 ms 424 B

Save Response

```
1 {
2   "status": 400,
3   "message": "Stock insuficiente para el producto 5"
4 }
```

Activate Windows
Go to Settings to activate Windows.

Pedidos:

GET <http://localhost:8082/api/pedidos>

Callán's Workspace

New Import

GET http://localhost:8888/m PATCH Actualizar Stock GET Ver todos

Microservicios / Pedidos / Ver todos

GET http://localhost:8082/api/pedidos

Send

Params Authorization Headers (7) Body Scripts Settings Cookies

Body Cookies Headers (12) Test Results

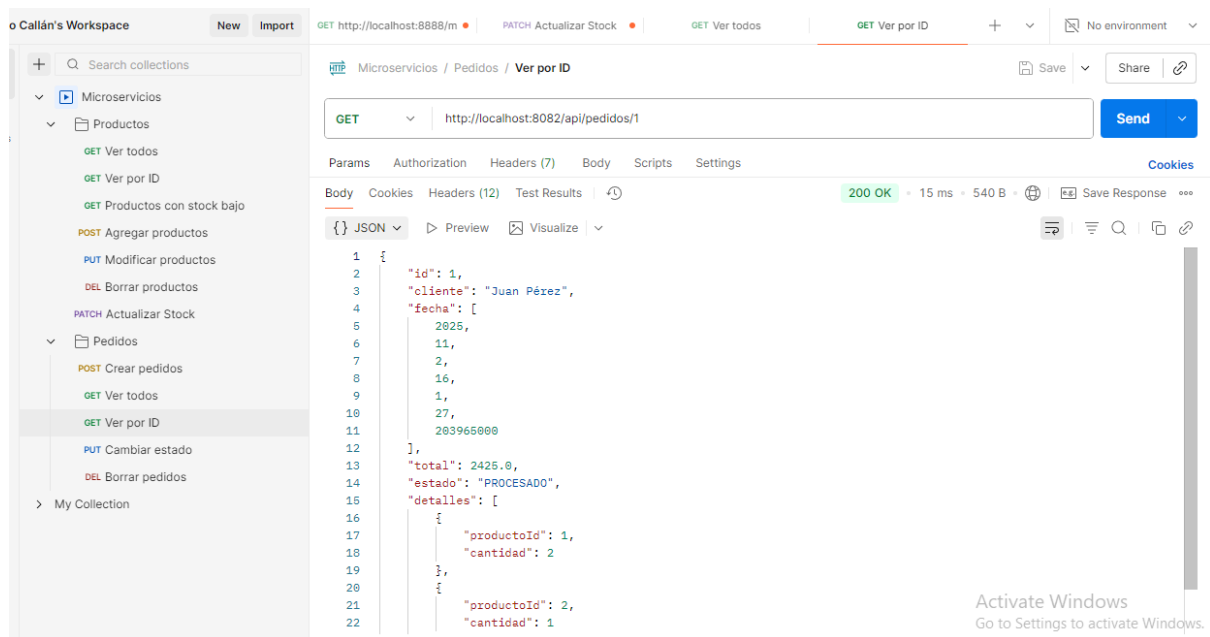
200 OK 88 ms 1015 B

Save Response

```
1 [
2   {
3     "id": 1,
4     "cliente": "Juan Pérez",
5     "fecha": [
6       2025,
7       11,
8       2,
9       16,
10      1,
11      27,
12      203965000
13    ],
14     "total": 2425.0,
15     "estado": "PROCESADO"
16   },
17   {
18     "id": 2,
19     "cliente": "Juan Pérez",
20     "fecha": [
21       2025,
22       11,
```

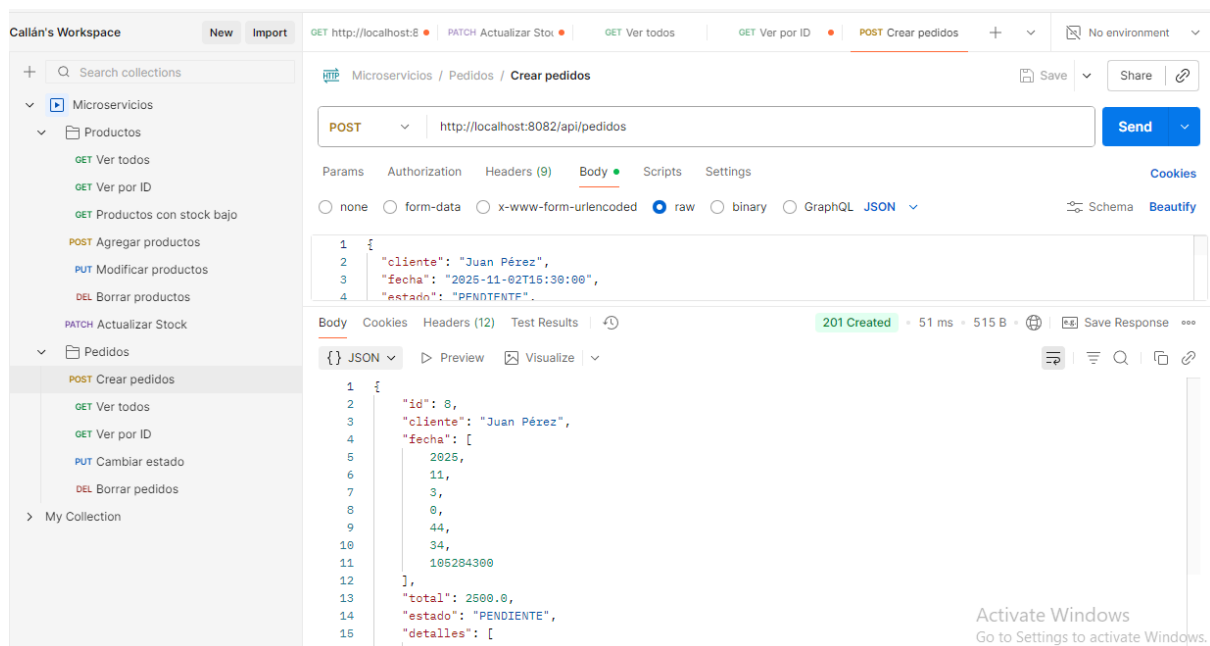
Activate Windows
Go to Settings to activate Windows.

GET <http://localhost:8082/api/pedidos/{id}>



POST <http://localhost:8082/api/pedidos>

Funcionamiento correcto:



Con cantidad inválida:

Callán's Workspace

Microservicios / Pedidos / Crear pedidos

POST http://localhost:8082/api/pedidos

Params Authorization Headers (9) Body Scripts Settings Cookies

none form-data x-www-form-urlencoded raw binary GraphQL JSON Schema Beautify

```
7 {
8   "productoId": 7,
9   "cantidad": -2
}
```

Body Cookies Headers (12) Test Results

200 OK 33 ms 425 B Save Response

```
1 {
2   "status": 400,
3   "message": "Valor inválido para el campo cantidad"
4 }
```

Activate Windows
Go to Settings to activate Windows.

PUT <http://localhost:8082/api/pedidos/6/estado>

Callán's Workspace

Microservicios / Pedidos / Cambiar estado

PUT http://localhost:8082/api/pedidos/6/estado

Params Authorization Headers (9) Body Scripts Settings Cookies

none form-data x-www-form-urlencoded raw binary GraphQL JSON Schema Beautify

```
1 {
2   "estado": "CANCELADO"
3 }
```

Body Cookies Headers (12) Test Results

200 OK 12 ms 468 B Save Response

```
1 {
2   "id": 6,
3   "cliente": "Juan Pérez",
4   "fecha": [
5     2025,
6     11,
7     2,
8     20,
9     36,
10    35,
11    618002000
12  ],
13   "total": 2500.0,
14   "estado": "CANCELADO"
15 }
```

Activate Windows
Go to Settings to activate Windows.

DELETE <http://localhost:8082/api/pedidos/7>

Callán's Workspace

NewImport

+

Search collections

Microservicios

Productos

Ver todos

Ver por ID

Productos con stock bajo

Agregar productos

Modificar productos

Borrar productos

Actualizar Stock

Pedidos

Crear pedidos

Ver todos

Ver por ID

Cambiar estado

Borrar pedidos

My Collection

GET http://loc. PATCH Actuali. GET Ver todo: GET Ver por I. POST Crear pe PUT Cambiar e DEL Borrar pec + No environment

Microservicios / Pedidos / Borrar pedidos

SaveShare

DELETEhttp://localhost:8082/api/pedidos/7Send

ParamsAuthorizationHeaders (7)BodyScriptsSettingsCookies

Query Params

	Key	Value	Description	Bulk Edit
	Key	Value	Description	

BodyCookiesHeaders (10)Test Results204 No Content7 ms316 BSave Response

RawPreviewVisualize1

Activate Windows
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