

Diagrama de clases

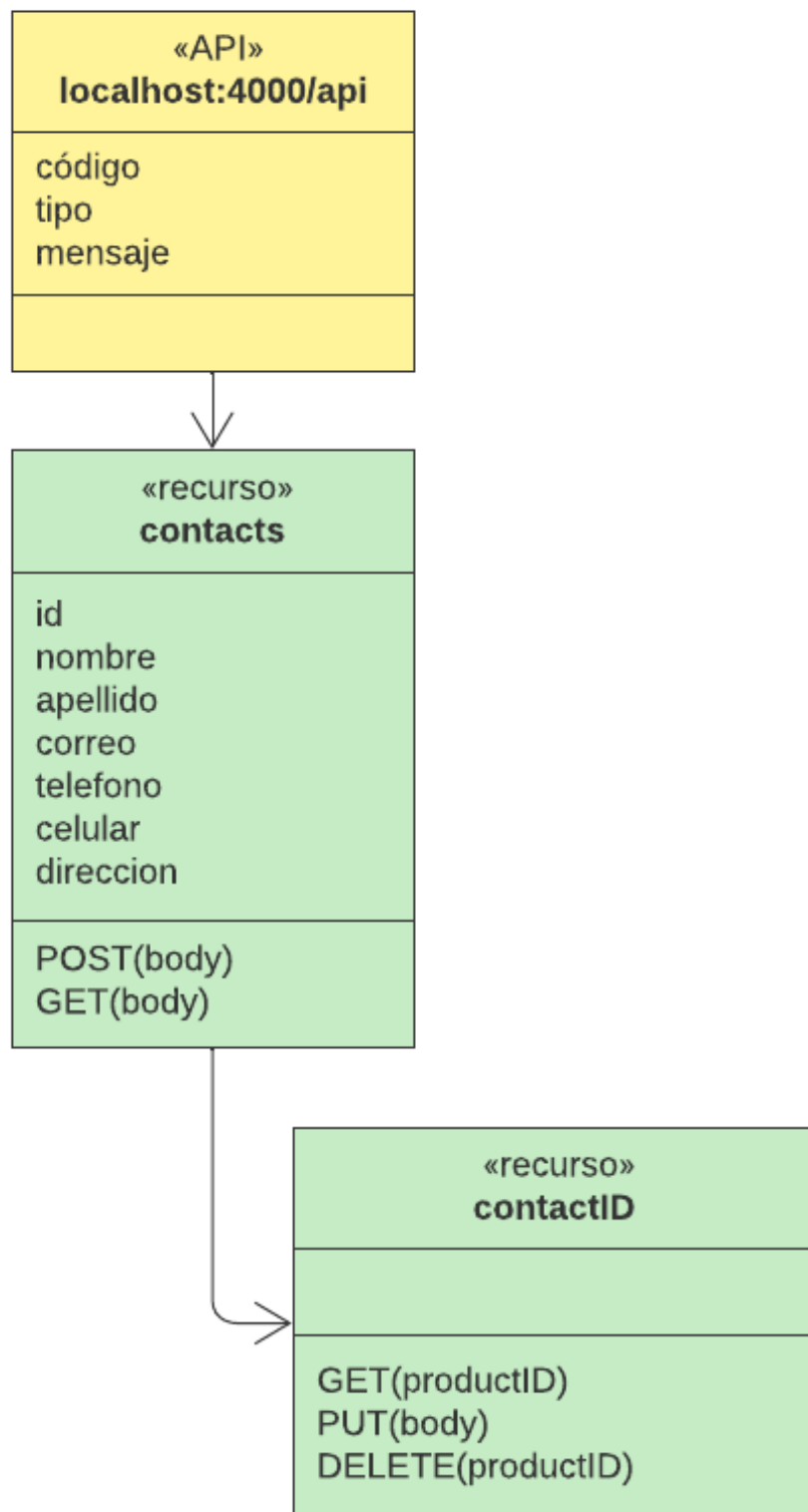
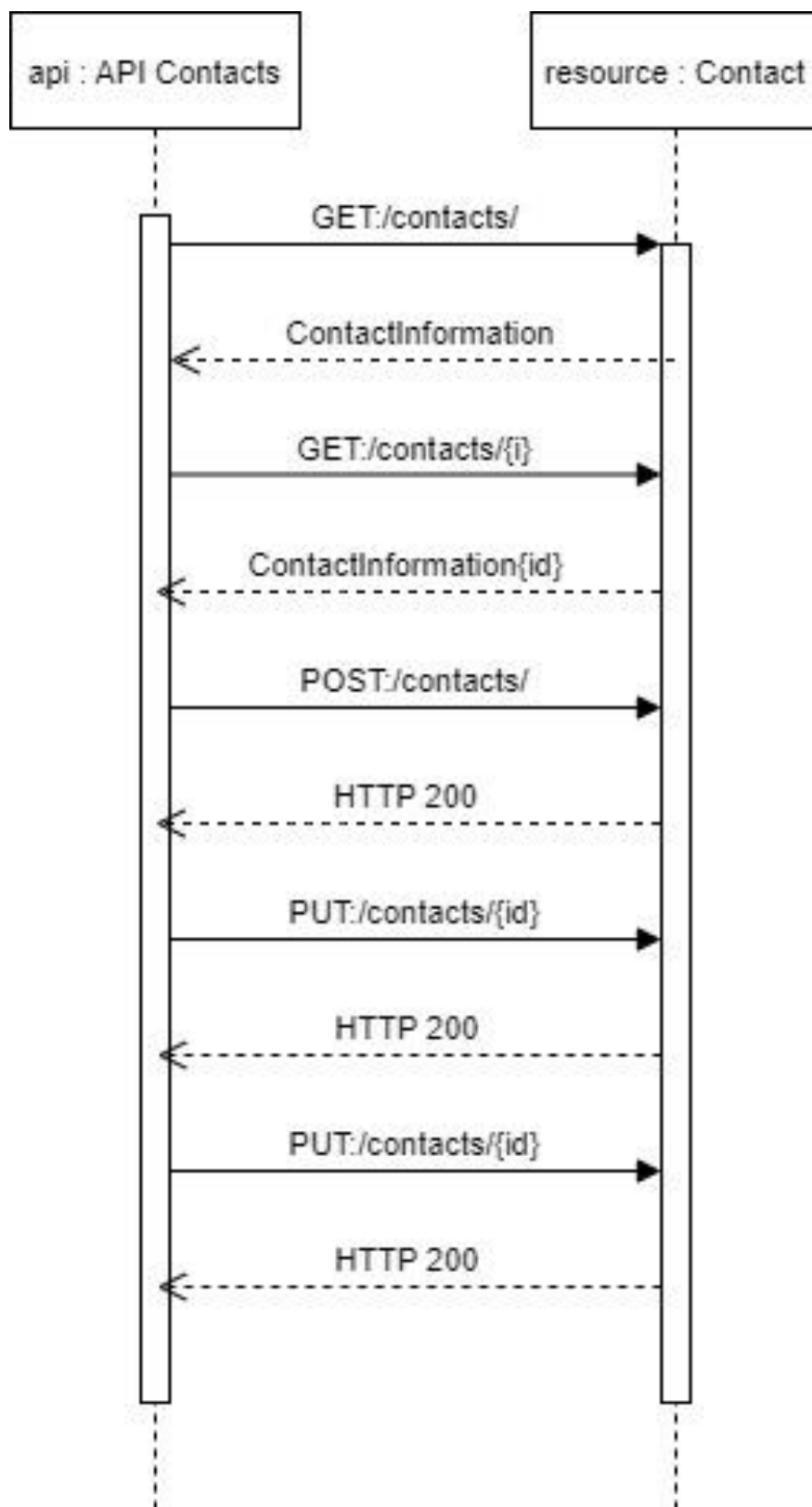


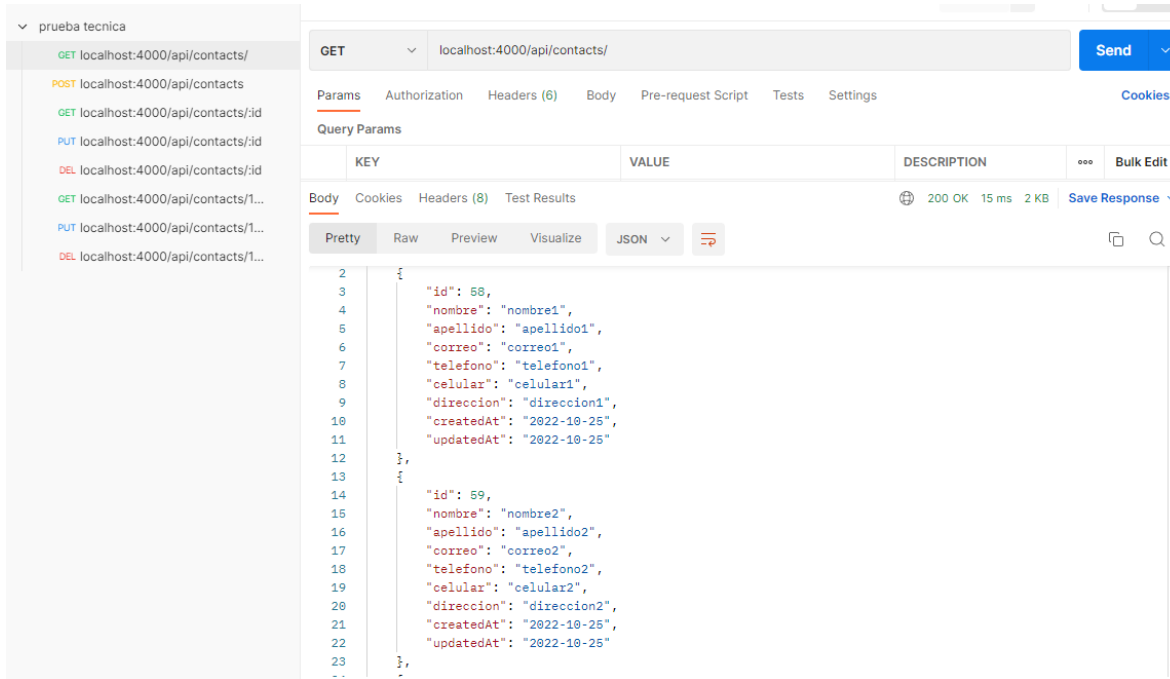
Diagrama de secuencia



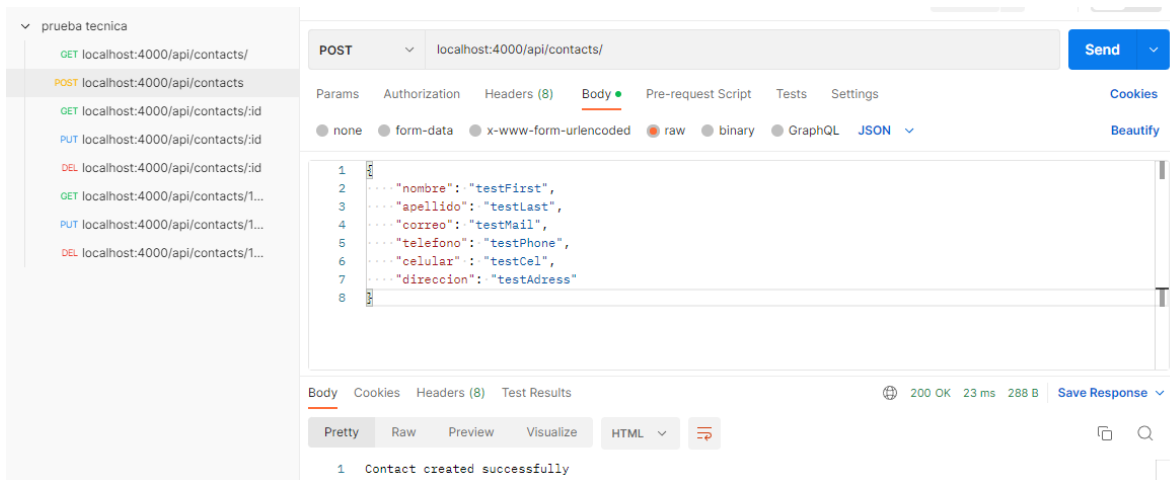
Test unitarios

Para la realización de tests se usa la herramienta Postman como API client.

- Test 1 – obtener todos los registros:



- Test 2 - crear un nuevo registro:



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Prueba técnica

- Test 3 - obtener un registro existente:

The screenshot shows the Postman interface for a GET request to `localhost:4000/api/contacts/73`. The left sidebar lists several API endpoints. The main panel shows the request details, including a table for Query Params and a JSON response body.

KEY	VALUE	DESCRIPTION
Key	Value	Description

```
1 {
2   "id": 73,
3   "nombre": "testFirst",
4   "apellido": "testLast",
5   "correo": "testMail",
6   "telefono": "testPhone",
7   "celular": "testCel",
8   "direccion": "testAddress",
9   "createdAt": "2022-10-25",
10  "updatedAt": "2022-10-25"
11 }
```

- Test 4 - actualizar un registro existente:

The screenshot shows the Postman interface for a PUT request to `localhost:4000/api/contacts/73`. The left sidebar lists several API endpoints. The main panel shows the request details, including a JSON body and a 200 OK response with the message "Contact updated".

```
1 {
2   "nombre": "testFirstModified",
3   "apellido": "testLast",
4   "correo": "testMailModified",
5   "telefono": "testPhone",
6   "celular": "testCelModified",
7   "direccion": "testAddress"
8 }
```

1 Contact updated

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Prueba técnica

- Test 5 - borrar un registro existente:

The screenshot shows the Postman interface for a DELETE request. The URL bar displays 'DELETE localhost:4000/api/contacts/73'. The 'Send' button is visible. Below the URL bar, the 'Params' tab is selected, showing a table with columns 'KEY', 'VALUE', and 'DESCRIPTION'. The table contains one row with 'Key' and 'Value'. The 'Body' tab is also visible, showing the response body 'Contact deleted'. The status bar at the bottom indicates a 200 OK response with a 9 ms latency and 274 B of data.

KEY	VALUE	DESCRIPTION
Key	Value	Description

1 Contact deleted

- Test 6 - obtener un registro inexistente:

The screenshot shows the Postman interface for a GET request. The URL bar displays 'GET localhost:4000/api/contacts/1000'. The 'Send' button is visible. Below the URL bar, the 'Params' tab is selected, showing a table with columns 'KEY', 'VALUE', and 'DESCRIPTION'. The table contains one row with 'Key' and 'Value'. The 'Body' tab is also visible, showing the response body 'Contact with id 1000 not found!'. The status bar at the bottom indicates a 404 Not Found response with a 12 ms latency and 298 B of data.

KEY	VALUE	DESCRIPTION
Key	Value	Description

1 Contact with id 1000 not found!

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Prueba técnica

- Test 7 - actualizar un registro inexistente:

The screenshot shows a REST client interface with a sidebar on the left containing a list of requests under the folder 'prueba tecnica'. The main panel displays a PUT request to 'localhost:4000/api/contacts/1000'. The 'Params' tab is active, showing a table for 'Query Params' with columns 'KEY', 'VALUE', and 'DESCRIPTION'. The 'Body' tab is also visible. At the bottom, the 'Test Results' section shows a '404 Not Found' status with a response body of 'Contact with id 1000 not found!'. The interface includes various tabs for 'Params', 'Authorization', 'Headers (7)', 'Body', 'Pre-request Script', 'Tests', and 'Settings'. A 'Send' button is located at the top right of the main panel. The bottom status bar shows the response details: '404 Not Found', '45 ms', '298 B', and a 'Save Response' option.

prueba tecnica

- GET localhost:4000/api/contacts/
- POST localhost:4000/api/contacts
- GET localhost:4000/api/contacts/:id
- PUT localhost:4000/api/contacts/:id
- DEL localhost:4000/api/contacts/:id
- GET localhost:4000/api/contacts/1...
- PUT localhost:4000/api/contacts/1...
- DEL localhost:4000/api/contacts/1...

PUT localhost:4000/api/contacts/1000

Send

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

Query Params

KEY	VALUE	DESCRIPTION	...	Bulk Edit
Key	Value	Description		

Body Cookies Headers (8) Test Results

404 Not Found 45 ms 298 B Save Response

Pretty Raw Preview Visualize HTML

1 Contact with id 1000 not found!