


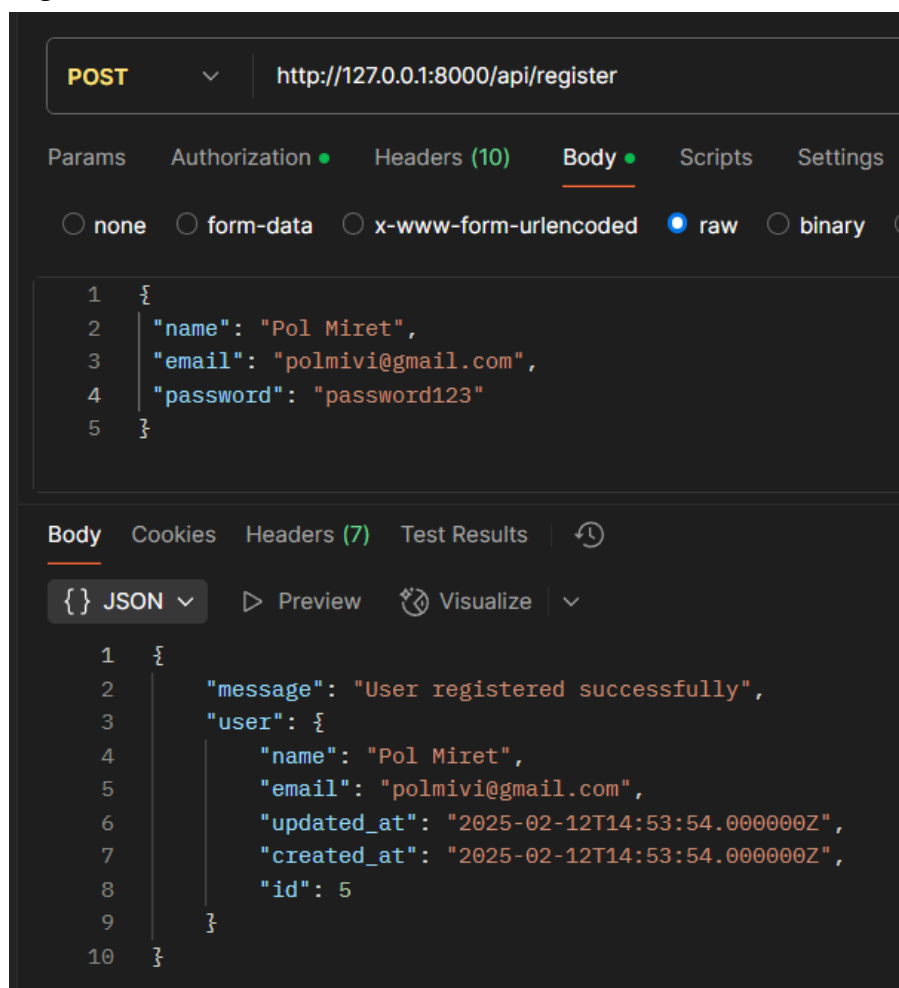
| | | | | | |
|---|--------------------------------------|---------|-----|--------|------------|
|  | M7 - Desenvolupament entorn servidor | | | | |
| | UF3: | | | | |
| | PT1 - ApiRestFull | | | | |
| Act: | | | | | |
| Apellidos: | Miret Vidal | Nombre: | Pol | Fecha: | 12/02/2025 |

[Link Github](#)

Documentación de la api con postman:

1.- Autenticación con Postman:

Registrar un usuario:



Iniciar sesión:

The screenshot shows a REST client interface with the following details:

- Method:** POST
- URL:** http://127.0.0.1:8000/api/login
- Body Type:** raw
- Request Body:**

```
1 {
2   "email": "polmivi@gmail.com",
3   "password": "password123"
4 }
```
- Response Body:**

```
1 {
2   "message": "Login successful",
3   "token": "5|ktXPvqutnv92oVFgEDgRbrQQnuXJoQvbn114aqtKba56b324",
4   "user": {
5     "id": 5,
6     "name": "Pol Miret",
7     "email": "polmivi@gmail.com",
8     "email_verified_at": null,
9     "created_at": "2025-02-12T14:53:54.000000Z",
10    "updated_at": "2025-02-12T14:53:54.000000Z"
11  }
```

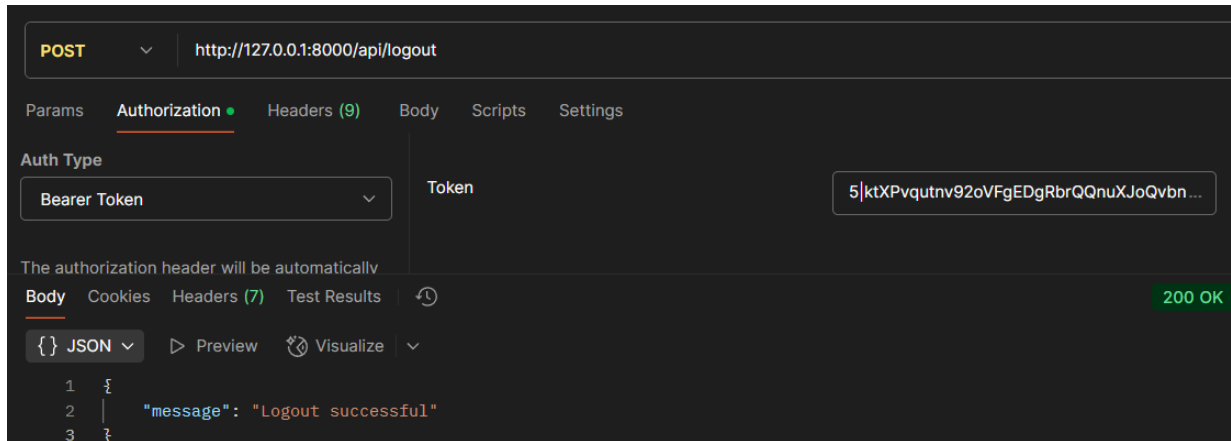
Obtener datos del usuario autenticado:

The screenshot shows a REST client interface with the following details:

- Method:** GET
- URL:** http://127.0.0.1:8000/api/me
- Auth Type:** Bearer Token
- Token:** 5|ktXPvqutnv92oVFgEDgRbrQQnuXJoQvbn...
- Status:** 200 OK
- Response Body:**

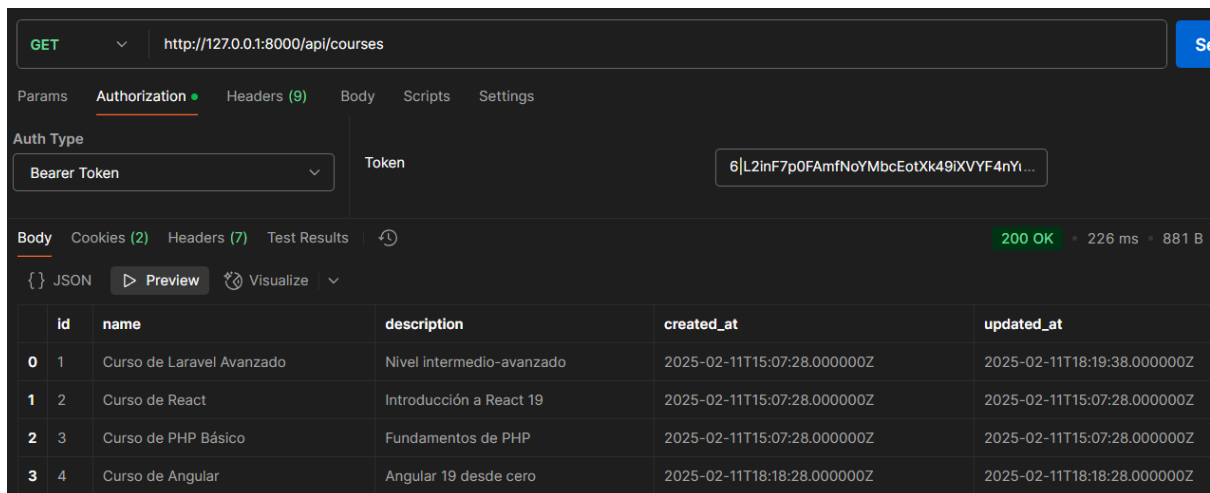
```
1 {
2   "user": {
3     "id": 5,
4     "name": "Pol Miret",
5     "email": "polmivi@gmail.com",
6     "email_verified_at": null,
7     "created_at": "2025-02-12T14:53:54.000000Z",
8     "updated_at": "2025-02-12T14:53:54.000000Z"
9   }
```

Cerrar sesión:

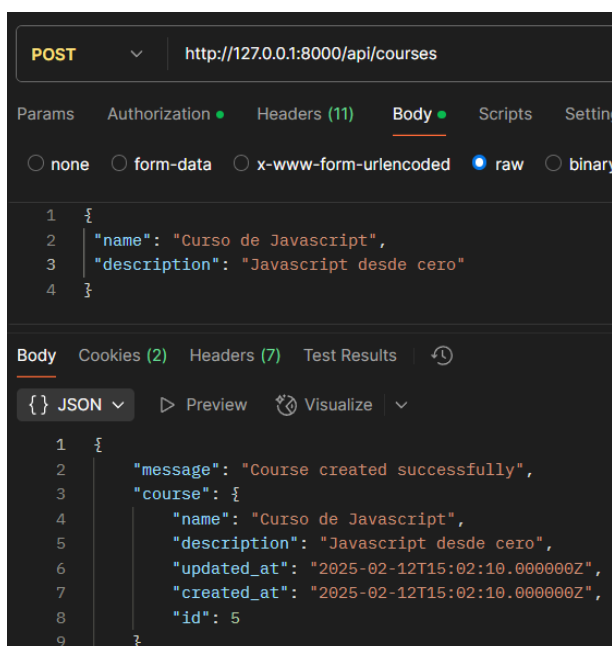


2.- Pruebas para CourseController:

1 Listar cursos:



2 Crear un curso:



3 Mostrar un curso específico:

GET `http://127.0.0.1:8000/api/courses/1`

Params Authorization Headers (9) Body Scripts Settings

Auth Type: Bearer Token

Token: `6|L2inF7p0FAmfNoYMbcEotXk49iXVYF4nYuiSkeOUc266670d`

Body Cookies (2) Headers (7) Test Results 200 OK

JSON Preview Visualize

| | |
|-------------|-----------------------------|
| id | 1 |
| name | Curso de Laravel Avanzado |
| description | Nivel intermedio-avanzado |
| created_at | 2025-02-11T15:07:28.000000Z |
| updated_at | 2025-02-11T18:19:38.000000Z |

4 Actualizar un curso:

PUT `http://127.0.0.1:8000/api/courses/1`

Params Authorization Headers (11) Body Scripts Settings

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary

```
1 {
2   "name": "Curso de Laravel 11",
3   "description": "Laravel 11 desde cero"
4 }
```

Body Cookies (2) Headers (7) Test Results

JSON Preview Visualize

```
1 {
2   "message": "Course updated successfully",
3   "course": {
4     "id": 1,
5     "name": "Curso de Laravel 11",
6     "description": "Laravel 11 desde cero",
7     "created_at": "2025-02-11T15:07:28.000000Z",
8     "updated_at": "2025-02-12T15:07:16.000000Z"
9   }
}
```

5 Eliminar un curso:

DELETE ▼ http://127.0.0.1:8000/api/courses/1

Params **Authorization** ● Headers (9) Body Scripts Settings

Auth Type
Bearer Token ▼ Token
6|L2inF7p0FAmfNoYMbcEotXk49iXVYF4nYui
SkeOUc266670d

Body Cookies (2) Headers (7) Test Results ↺ 200 OK

{ } JSON ▼ ▶ Preview 🔗 Visualize ▼

```
1 {  
2   "message": "Course deleted\\nsuccessfully"  
3 }
```

Pruebas para SubjectController:

1 Listar asignaturas:

GET ▼ http://127.0.0.1:8000/api/subjects

Params **Authorization** ● Headers (9) Body Scripts Settings

Auth Type
Bearer Token ▼ Token
6|L2inF7p0FAmfNoYMbcEotXk49iXVYF4nYui
SkeOUc266670d

Body Cookies (2) Headers (7) Test Results ↺ 200 OK

{ } JSON ▼ ▶ Preview 🔗 Visualize ▼

```
1 [  
2   {  
3     "id": 4,  
4     "name": "Programación Backend",  
5     "course_id": 2,  
6     "teacher_id": 1,  
7     "created_at": "2025-02-12T15:12:22.000000Z",  
8     "updated_at": "2025-02-12T15:12:22.000000Z"  
9   }  
10 ]
```

2 Crear una asignatura:

The screenshot shows a REST client interface with a POST request to `http://127.0.0.1:8000/api/subjects`. The request body is raw JSON: `{ "name": "Base de Datos", "course_id": 2, "teacher_id": 1 }`. The response is also raw JSON: `{ "message": "Subject created successfully", "subject": { "name": "Base de Datos", "course_id": 2, "teacher_id": 1, "updated_at": "2025-02-12T15:13:30.000000Z", "created_at": "2025-02-12T15:13:30.000000Z", "id": 5 } }`.

```
POST http://127.0.0.1:8000/api/subjects

{
  "name": "Base de Datos",
  "course_id": 2,
  "teacher_id": 1
}
```

```
{
  "message": "Subject created successfully",
  "subject": {
    "name": "Base de Datos",
    "course_id": 2,
    "teacher_id": 1,
    "updated_at": "2025-02-12T15:13:30.000000Z",
    "created_at": "2025-02-12T15:13:30.000000Z",
    "id": 5
  }
}
```

3 Mostrar una asignatura:

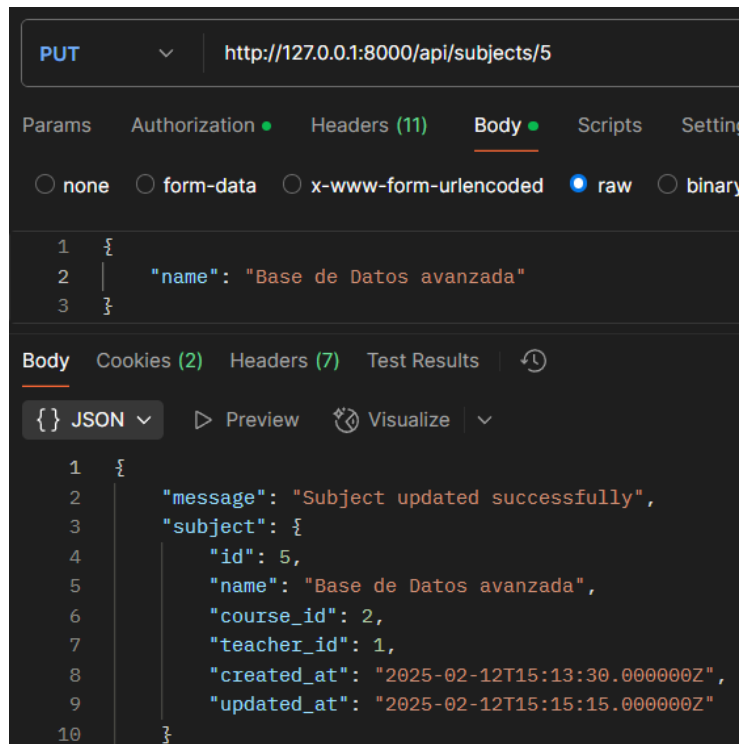
The screenshot shows a REST client interface with a GET request to `http://127.0.0.1:8000/api/subjects/5`. The request is authorized with a Bearer Token: `6|L2inF7p0FAmfNoYMbcEotXk49iXVYF4nYuiSkeOUc266670d`. The response is raw JSON: `{ "id": 5, "name": "Base de Datos", "course_id": 2, "teacher_id": 1, "created_at": "2025-02-12T15:13:30.000000Z", "updated_at": "2025-02-12T15:13:30.000000Z" }`. The status bar shows `200 OK`.

```
GET http://127.0.0.1:8000/api/subjects/5

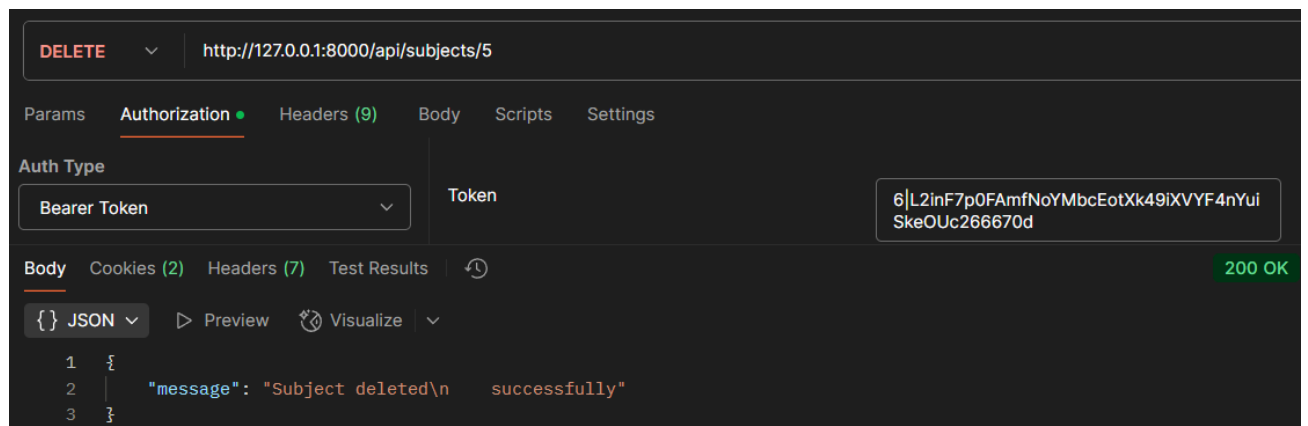
{
  "id": 5,
  "name": "Base de Datos",
  "course_id": 2,
  "teacher_id": 1,
  "created_at": "2025-02-12T15:13:30.000000Z",
  "updated_at": "2025-02-12T15:13:30.000000Z"
}
```

200 OK

4 Actualizar una asignatura:

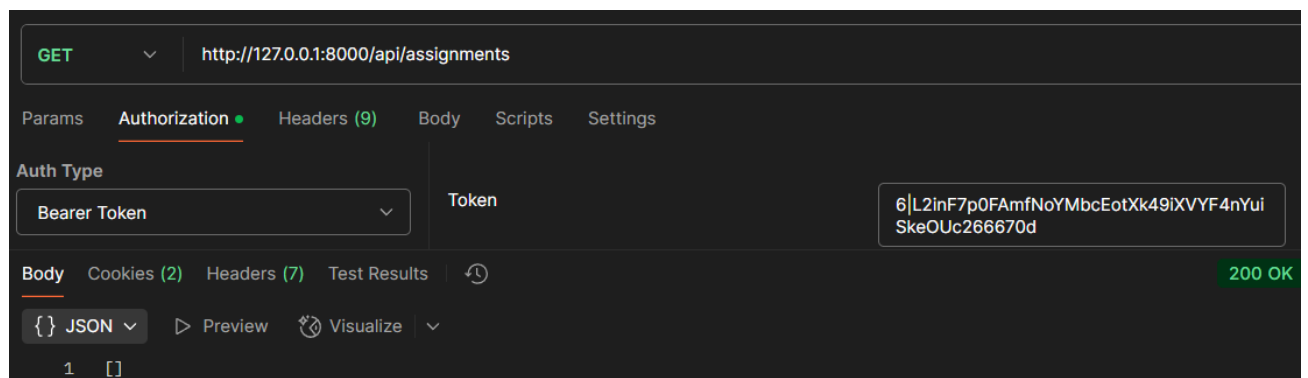


5 Eliminar una asignatura:



Pruebas para AssignmentController (Tareas):

1 Listar tareas:



2 Crear tarea:

The screenshot shows a REST client interface with a POST request to `http://127.0.0.1:8000/api/assignments`. The 'Body' tab is selected, and the request body is a JSON object:

```
1 {
2   "title": "Proyecto Final",
3   "description": "Crear un sistema con Laravel 11",
4   "due_date": "2025-02-28 23:59:59",
5   "subject_id": 4
6 }
```

Below the request, the 'Body' tab of the response is shown, displaying a JSON object with a success message and assignment details:

```
1 {
2   "message": "Assignment created successfully",
3   "assignment": {
4     "title": "Proyecto Final",
5     "description": "Crear un sistema con Laravel 11",
6     "due_date": "2025-02-28 23:59:59",
7     "subject_id": 4,
8     "updated_at": "2025-02-12T15:26:58.000000Z",
9     "created_at": "2025-02-12T15:26:58.000000Z",
10    "id": 1
11  }
```

3 Mostrar tarea:

The screenshot shows a REST client interface with a GET request to `http://127.0.0.1:8000/api/assignments/1`. The 'Authorization' tab is selected, showing a Bearer Token: `6|L2inF7p0FAmfNoYMbcEotXk49iXVYF4nYi...`. The 'Body' tab of the response is shown, displaying a JSON object with assignment details:

```
1 {
2   "id": 1,
3   "title": "Proyecto Final",
4   "description": "Crear un sistema con Laravel 11",
5   "due_date": "2025-02-28 23:59:59",
6   "subject_id": 4,
7   "created_at": "2025-02-12T15:26:58.000000Z",
8   "updated_at": "2025-02-12T15:26:58.000000Z"
9 }
```

The response status is `200 OK`.

4 Actualizar tarea:

The screenshot shows a REST client interface with a PUT request to `http://127.0.0.1:8000/api/assignments/1`. The 'Body' tab is selected, and the request body is a JSON object:

```
1 {
2   "title": "Proyecto Actualizado",
3   "description": "Nueva fecha de entrega",
4   "due_date": "2025-03-05 23:59:59"
5 }
```

Below the request, the 'Body' tab of the response is shown, displaying a JSON object with a success message and assignment details:

```
1 {
2   "message": "Assignment updated successfully",
3   "assignment": {
4     "id": 1,
5     "title": "Proyecto Actualizado",
6     "description": "Nueva fecha de entrega",
7     "due_date": "2025-03-05 23:59:59",
8     "subject_id": 4,
9     "created_at": "2025-02-12T15:26:58.000000Z",
10    "updated_at": "2025-02-12T15:28:47.000000Z"
11  }
```

5 Eliminar tarea:

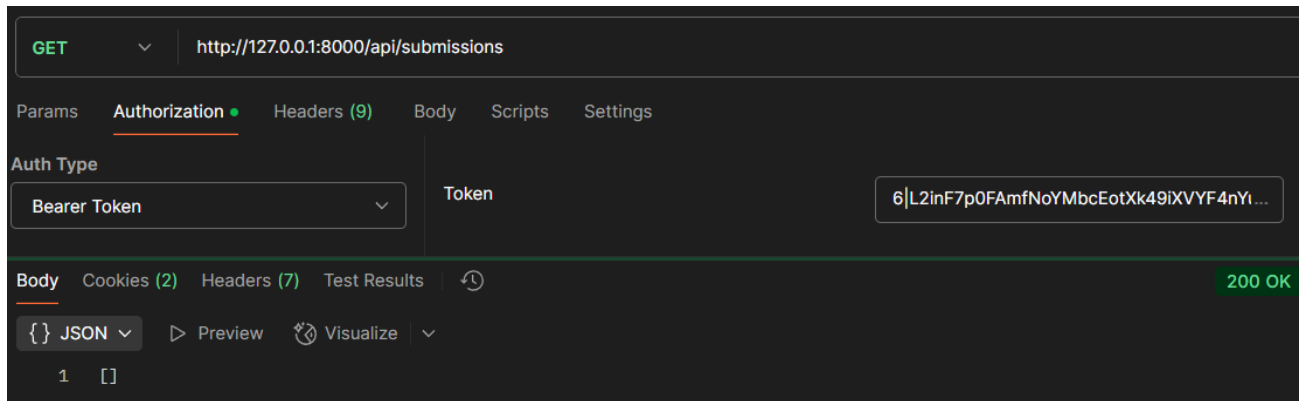
The screenshot shows a REST client interface with a DELETE request to `http://127.0.0.1:8000/api/assignments/1`. The 'Authorization' tab is selected, showing 'Bearer Token' authentication. The 'Body' tab of the response is shown, displaying a JSON object with a success message:

```
1 {
2   "message": "Assignment deleted successfully"
3 }
```

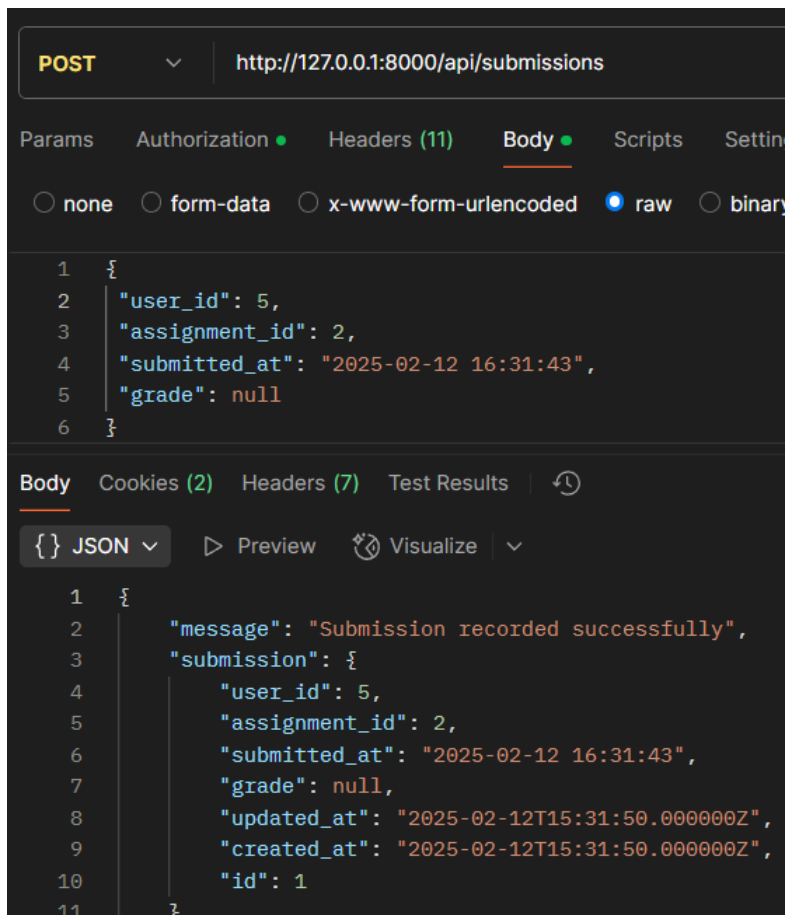
The response status is `200 OK`.

Pruebas para SubmissionController (Entregas)

1 Listar entregas:



2 Crear entrega:



3 Mostrar entrega:

GET <http://127.0.0.1:8000/api/submissions/1>

Params Authorization Headers (9) Body Scripts Settings

Auth Type: Bearer Token Token: 6[L2inF7p0FAmfNoYMbcEotXk49iXVYF4nYi...

Body Cookies (2) Headers (7) Test Results 200 OK

JSON Preview Visualize

```
1 {
2   "id": 1,
3   "user_id": 5,
4   "assignment_id": 2,
5   "submitted_at": "2025-02-12 16:31:43",
6   "grade": null,
7   "created_at": "2025-02-12T15:31:50.000000Z",
8   "updated_at": "2025-02-12T15:31:50.000000Z"
9 }
```

4 Actualizar calificación:

PUT <http://127.0.0.1:8000/api/submissions/1>

Params Authorization Headers (11) Body Scripts Settings

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary

```
1 {
2   "grade": "8.5"
3 }
```

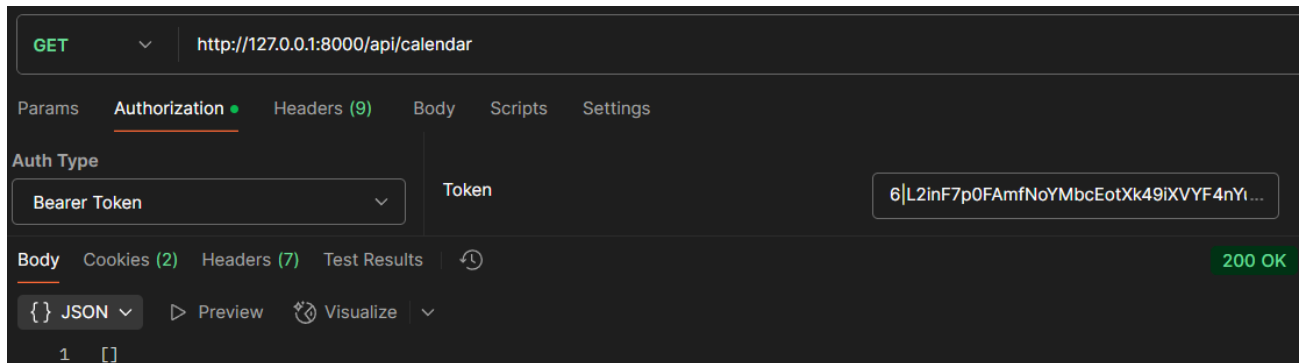
Body Cookies (2) Headers (7) Test Results

JSON Preview Visualize

```
1 {
2   "message": "Grade updated successfully",
3   "submission": {
4     "id": 1,
5     "user_id": 5,
6     "assignment_id": 2,
7     "submitted_at": "2025-02-12 16:31:43",
8     "grade": "8.5",
9     "created_at": "2025-02-12T15:31:50.000000Z",
10    "updated_at": "2025-02-12T15:33:27.000000Z"
11  }
```

Pruebas para CalendarEventController (Eventos):

1 Listar eventos:



GET ▼ http://127.0.0.1:8000/api/calendar

Params **Authorization** ● Headers (9) Body Scripts Settings

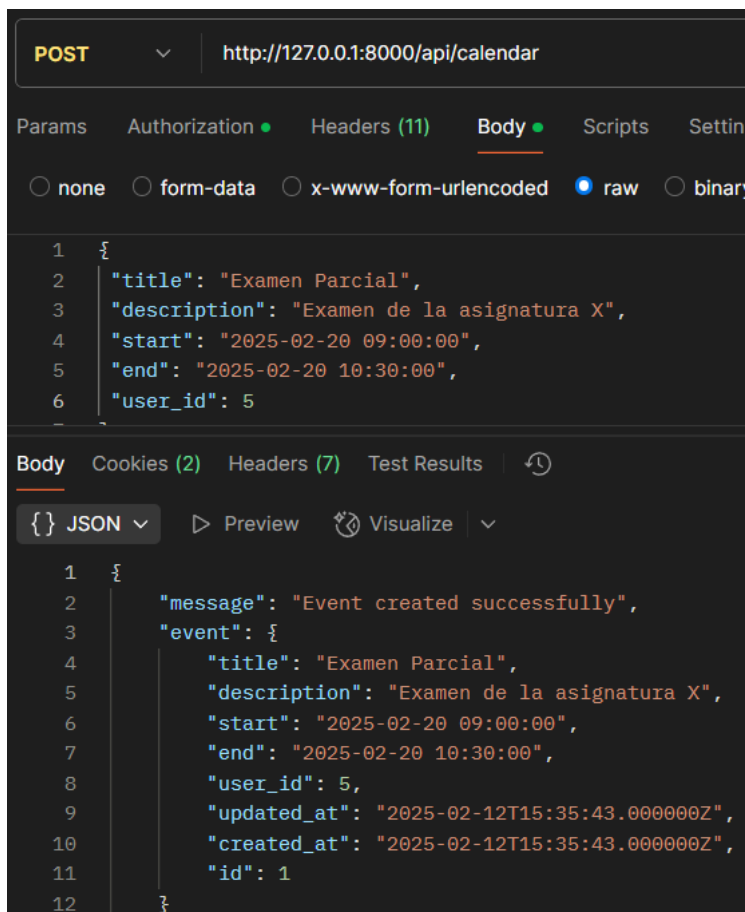
Auth Type
Bearer Token ▼ Token 6|L2inF7p0FAmfNoYMbcEotXk49iXVYF4nYl...

Body Cookies (2) Headers (7) Test Results ↺ **200 OK**

{ } JSON ▼ ▶ Preview 🔗 Visualize ▼

1 []

2 Crear evento:



POST ▼ http://127.0.0.1:8000/api/calendar

Params Authorization ● Headers (11) **Body** ● Scripts Settings

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary

```
1 {
2   "title": "Examen Parcial",
3   "description": "Examen de la asignatura X",
4   "start": "2025-02-20 09:00:00",
5   "end": "2025-02-20 10:30:00",
6   "user_id": 5
7 }
```

Body Cookies (2) Headers (7) Test Results ↺

{ } JSON ▼ ▶ Preview 🔗 Visualize ▼

```
1 {
2   "message": "Event created successfully",
3   "event": {
4     "title": "Examen Parcial",
5     "description": "Examen de la asignatura X",
6     "start": "2025-02-20 09:00:00",
7     "end": "2025-02-20 10:30:00",
8     "user_id": 5,
9     "updated_at": "2025-02-12T15:35:43.000000Z",
10    "created_at": "2025-02-12T15:35:43.000000Z",
11    "id": 1
12  }
```

3 Mostrar evento:

GET ▼ http://127.0.0.1:8000/api/calendar/1

Params **Authorization** ● Headers (9) Body Scripts Settings

Auth Type
Bearer Token ▼ Token 6|L2inF7p0FAmfNoYMbcEotXk49iXVYF4nYi...

Body Cookies (2) Headers (7) Test Results ↺ 200 OK

{ } JSON ▼ ▶ Preview 🔗 Visualize ▼

```
1 {
2   "id": 1,
3   "title": "Examen Parcial",
4   "description": "Examen de la asignatura X",
5   "start": "2025-02-20 09:00:00",
6   "end": "2025-02-20 10:30:00",
7   "user_id": 5,
8   "created_at": "2025-02-12T15:35:43.000000Z",
9   "updated_at": "2025-02-12T15:35:43.000000Z"
10 }
```

4 Actualizar evento:

PUT ▼ http://127.0.0.1:8000/api/calendar/1

Params **Authorization** ● Headers (11) **Body** ● Scripts Settings

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary

```
1 {
2   "title": "Examen Parcial Modificado",
3   "end": "2025-02-20 11:00:00"
4 }
```

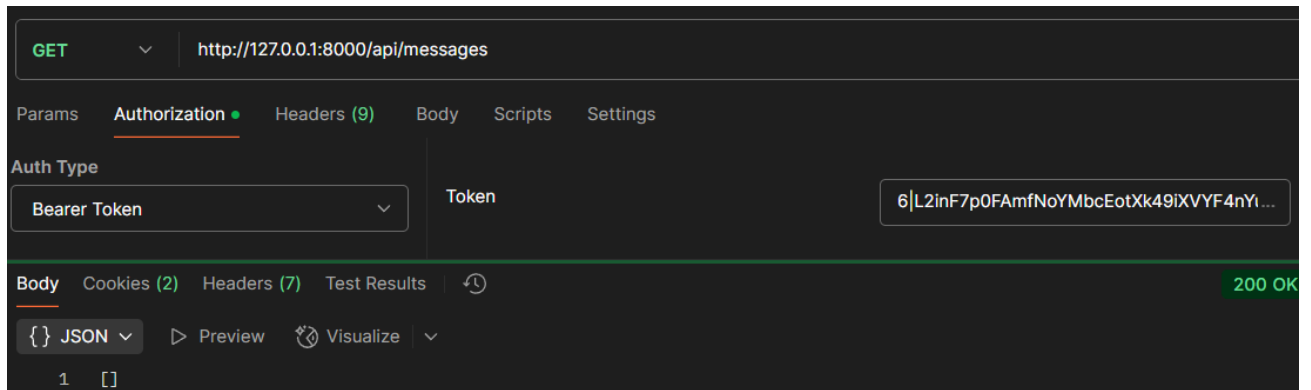
Body Cookies (2) Headers (7) Test Results ↺

{ } JSON ▼ ▶ Preview 🔗 Visualize ▼

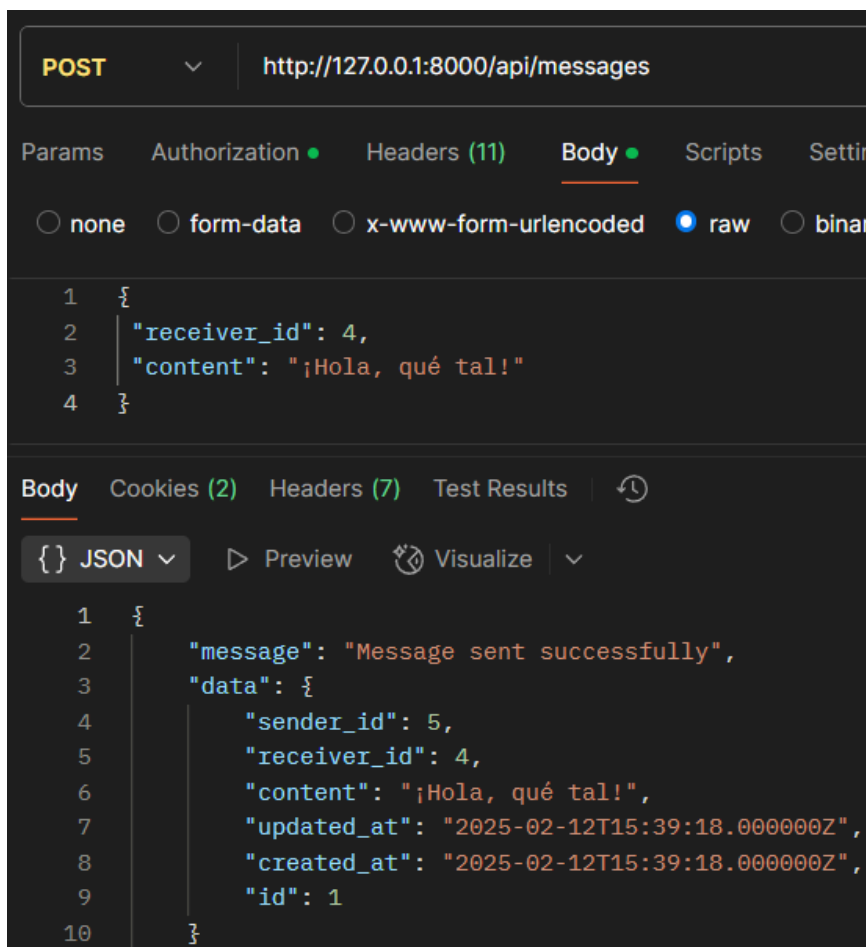
```
1 {
2   "message": "Event updated successfully",
3   "event": {
4     "id": 1,
5     "title": "Examen Parcial Modificado",
6     "description": "Examen de la asignatura X",
7     "start": "2025-02-20 09:00:00",
8     "end": "2025-02-20 11:00:00",
9     "user_id": 5,
10    "created_at": "2025-02-12T15:35:43.000000Z",
11    "updated_at": "2025-02-12T15:36:51.000000Z"
12  }
```

Pruebas para MessageController (Mensajería Interna):

1 Listar mensajes del usuario autenticado:



2 Enviar un mensaje:



3 Conversación con un usuario:

The screenshot shows a REST client interface with the following details:

- Method:** GET
- URL:** http://127.0.0.1:8000/api/messages/conversation/4
- Auth Type:** Bearer Token
- Token:** 6|L2inF7p0FAmfNoYMbcEotXk49iXVYF4nYi...
- Body:** JSON
- Response:** 200 OK
- JSON Body:**

```
1 [
2   {
3     "id": 1,
4     "sender_id": 5,
5     "receiver_id": 4,
6     "content": "¡Hola, qué tal!",
7     "is_read": 0,
8     "created_at": "2025-02-12T15:39:18.000000Z",
9     "updated_at": "2025-02-12T15:39:18.000000Z"
10  }
11 ]
```

4 Marcar mensaje como leído:

The screenshot shows a REST client interface with the following details:

- Method:** PUT
- URL:** http://127.0.0.1:8000/api/messages/1/read
- Auth Type:** Bearer Token
- Token:** 6|L2inF7p0FAmfNoYMbcEotXk49iXVYF4nYi...
- Body:** JSON
- Response:** 200 OK
- JSON Body:**

```
1 {
2   "message": "Message marked as read"
3 }
```

5 Eliminar un mensaje:

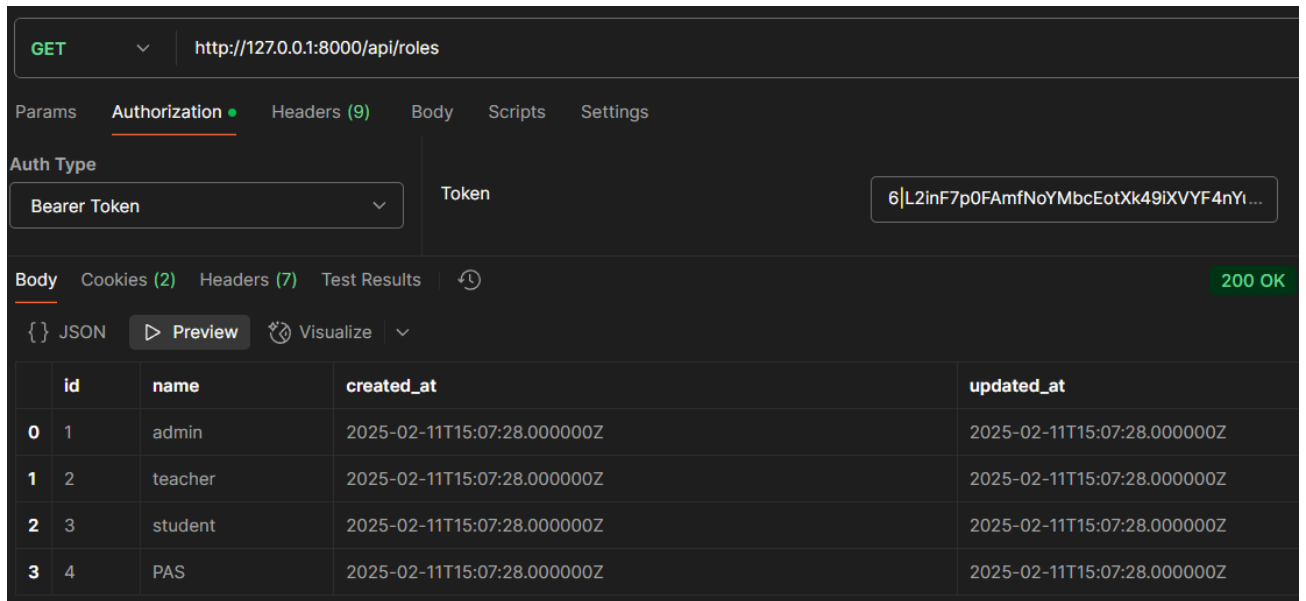
The screenshot shows a REST client interface with the following details:

- Method:** DELETE
- URL:** http://127.0.0.1:8000/api/messages/1
- Auth Type:** Bearer Token
- Token:** 6|L2inF7p0FAmfNoYMbcEotXk49iXVYF4nYi...
- Body:** JSON
- Response:** 200 OK
- JSON Body:**

```
1 {
2   "message": "Message deleted\n successfully"
3 }
```

Pruebas para RoleController (Roles):

1 Listar roles:



GET `http://127.0.0.1:8000/api/roles`

Params Authorization Headers (9) Body Scripts Settings

Auth Type: Bearer Token

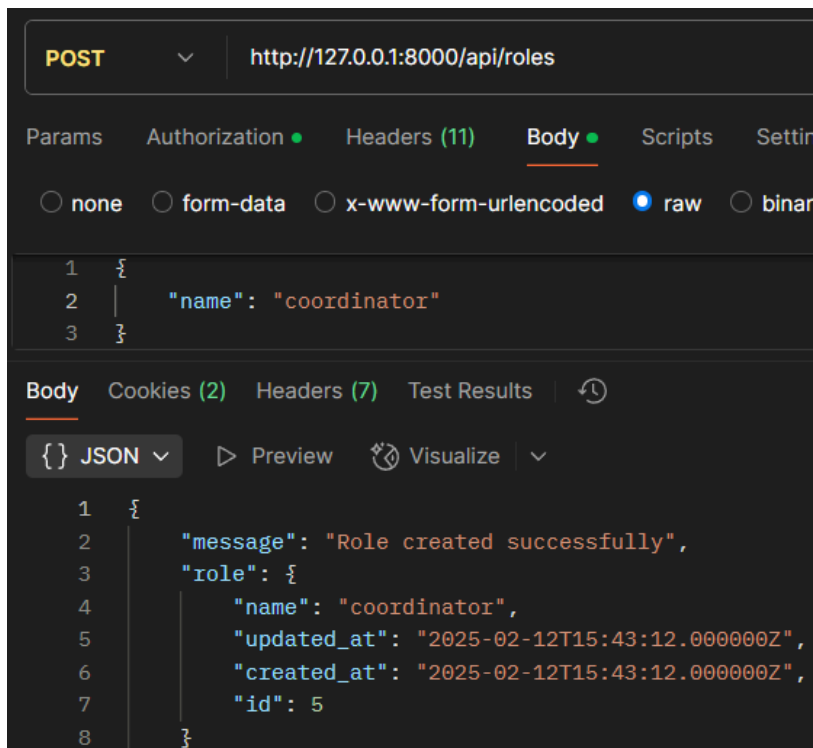
Token: `6|L2inF7p0FamfNoYMbcEotXk49iXVYF4nYt...`

Body Cookies (2) Headers (7) Test Results 200 OK

JSON Preview Visualize

| | id | name | created_at | updated_at |
|---|----|---------|-----------------------------|-----------------------------|
| 0 | 1 | admin | 2025-02-11T15:07:28.000000Z | 2025-02-11T15:07:28.000000Z |
| 1 | 2 | teacher | 2025-02-11T15:07:28.000000Z | 2025-02-11T15:07:28.000000Z |
| 2 | 3 | student | 2025-02-11T15:07:28.000000Z | 2025-02-11T15:07:28.000000Z |
| 3 | 4 | PAS | 2025-02-11T15:07:28.000000Z | 2025-02-11T15:07:28.000000Z |

2 Crear un rol:



POST `http://127.0.0.1:8000/api/roles`

Params Authorization Headers (11) Body Scripts Settings

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary

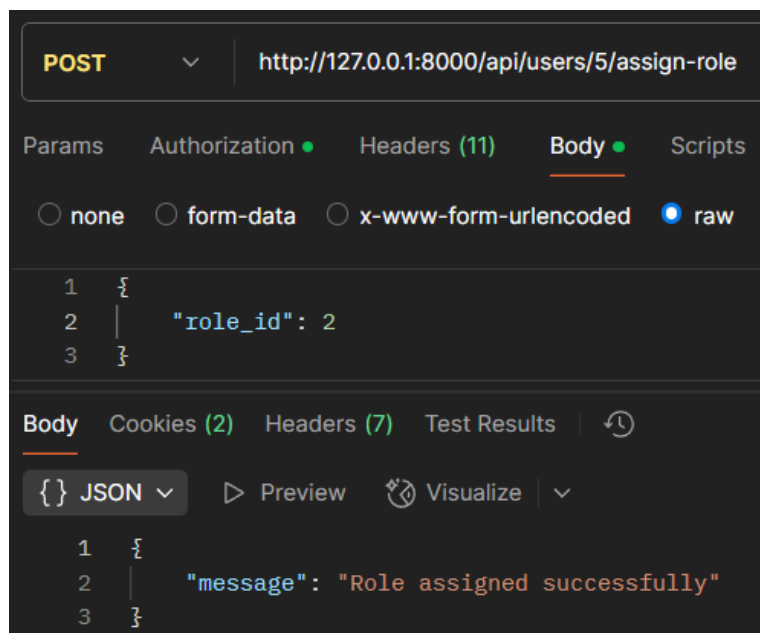
```
1 {
2   "name": "coordinator"
3 }
```

Body Cookies (2) Headers (7) Test Results

JSON Preview Visualize

```
1 {
2   "message": "Role created successfully",
3   "role": {
4     "name": "coordinator",
5     "updated_at": "2025-02-12T15:43:12.000000Z",
6     "created_at": "2025-02-12T15:43:12.000000Z",
7     "id": 5
8   }
9 }
```


3 Asignar rol a un usuario:



4 Remover rol de un usuario:

