Taller NoSQL: MongoDB + POSTMAN

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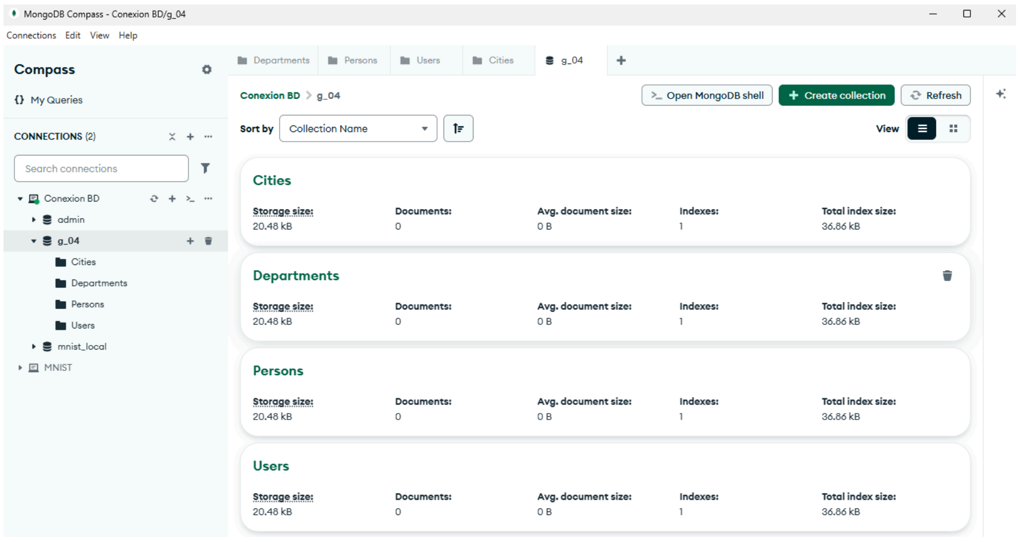
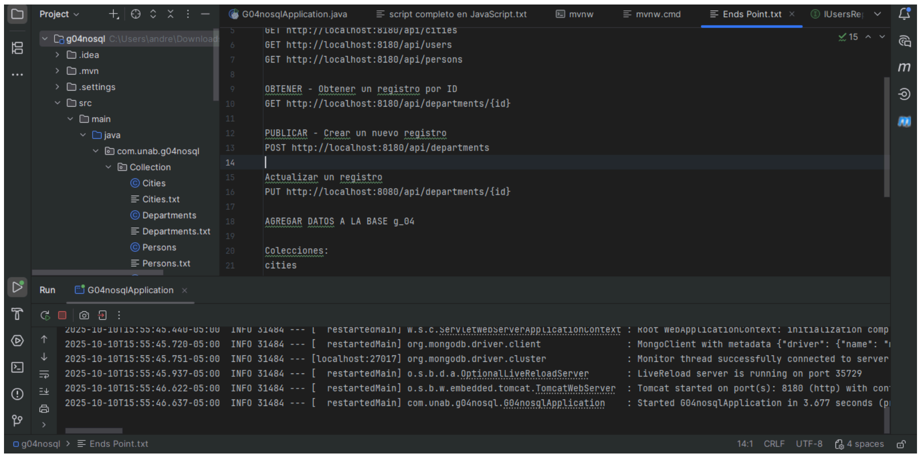
Para comenzar el taller utilizamos el archivo que se nos dio en clase de g_04, donde instalamos las dependencias correspondientes y logramos satisfactoriamente ingresar las colecciones a Compass desde el proyecto en InteliJ



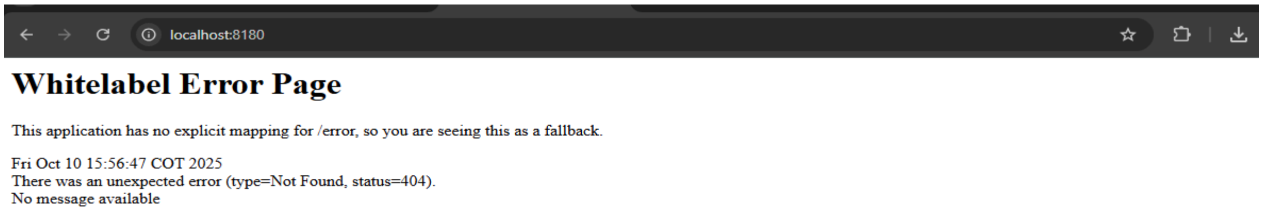
	Storage size:	Documents:	Avg. document size:	Indexes:	Total index size:
Cities	20.48 kB	0	0 B	1	36.86 kB
Departments	20.48 kB	0	0 B	1	36.86 kB
Persons	20.48 kB	0	0 B	1	36.86 kB
Users	20.48 kB	0	0 B	1	36.86 kB

Después de realizar correctamente la vinculación procedemos a correr el codigo otra vez e inicializar en localhost



```
GET http://localhost:8180/api/cities
GET http://localhost:8180/api/users
GET http://localhost:8180/api/persons

OBTENER - Obtener un registro por ID
GET http://localhost:8180/api/departments/{id}

PUBLICAR - Crear un nuevo registro
POST http://localhost:8180/api/departments

Actualizar un registro
PUT http://localhost:8080/api/departments/{id}

AGREGAR DATOS A LA BASE g_04

Colecciones:
cities
```

```
2025-10-10T15:55:45.440-05:00  INFO 31484 --- [  restartedMain] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization comp
2025-10-10T15:55:45.720-05:00  INFO 31484 --- [  restartedMain] org.mongodb.driver.client                : MongoClient with metadata {"driver": {"name": "
2025-10-10T15:55:45.751-05:00  INFO 31484 --- [localhost:27017] org.mongodb.driver.cluster               : Monitor thread successfully connected to server
2025-10-10T15:55:45.937-05:00  INFO 31484 --- [  restartedMain] o.s.b.d.a.OptionalLiveReloadServer       : LiveReload server is running on port 35729
2025-10-10T15:55:46.622-05:00  INFO 31484 --- [  restartedMain] o.s.b.w.embedded.tomcat.TomcatWebServer  : Tomcat started on port(s): 8180 (http) with con
2025-10-10T15:55:46.637-05:00  INFO 31484 --- [  restartedMain] com.unab.g04nosql.G04nosqlApplication    : Started G04nosqlApplication in 3.677 seconds (p
```



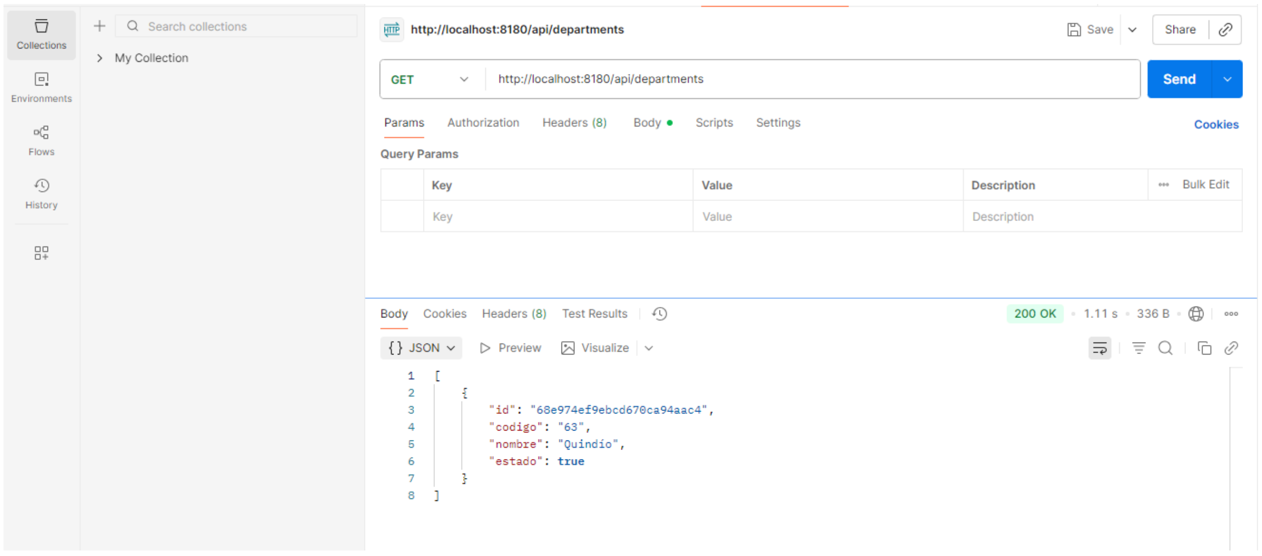
Whitelabel Error Page

This application has no explicit mapping for /error, so you are seeing this as a fallback.

Fri Oct 10 15:56:47 COT 2025
There was an unexpected error (type=Not Found, status=404).
No message available

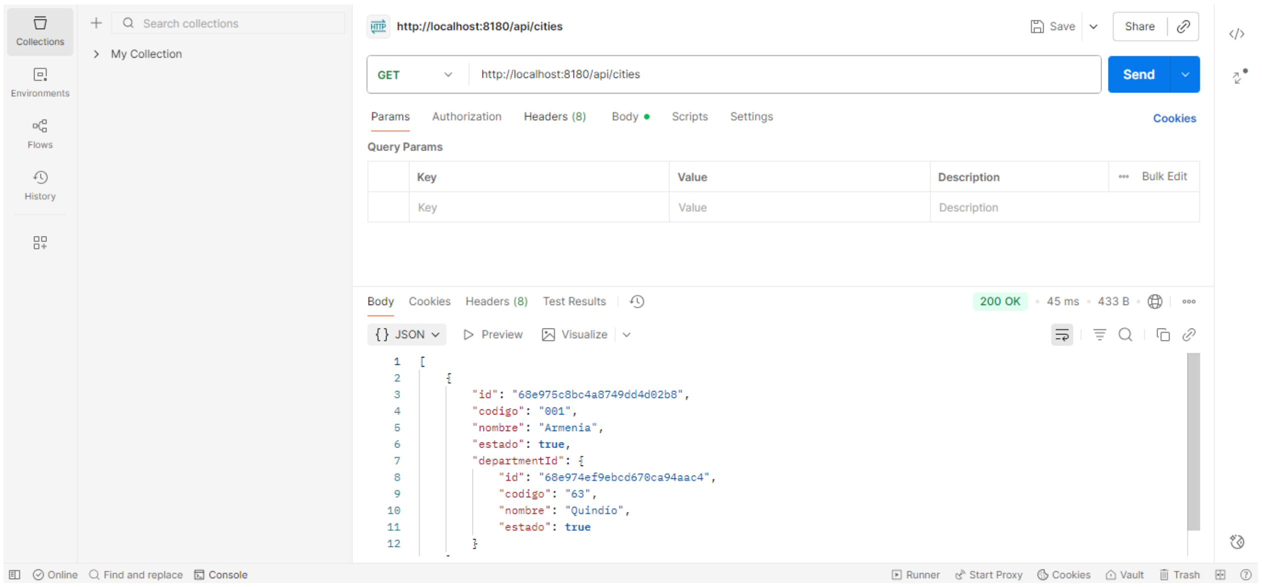
Una vez corriendo el proyecto empezamos a realizar las pruebas del CRUD en POSTMAN utilizando la URI de cada api

GET de todas las Colecciones con los datos insertados de Prueba



GET http://localhost:8180/api/departments

```
[
    {
        "id": "68e974ef9ebcd670ca94aac4",
        "codigo": "63",
        "nombre": "Quindio",
        "estado": true
    }
]
```



http://localhost:8180/api/cities

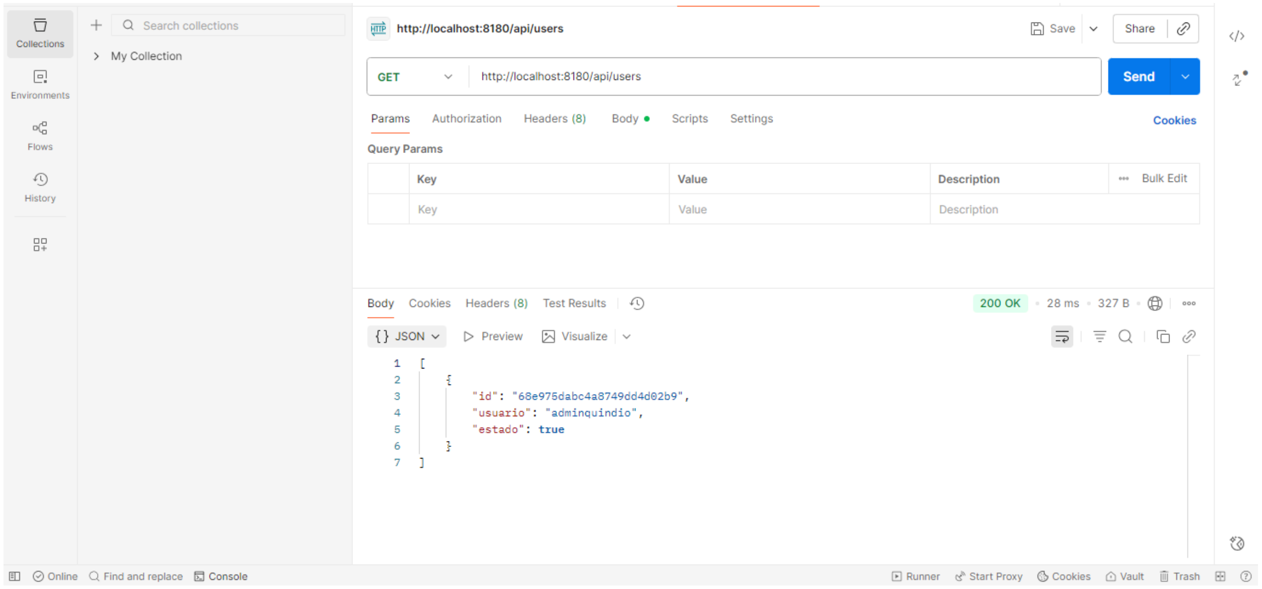
GET http://localhost:8180/api/cities

Query Params

	Key	Value	Description
	Key	Value	Description

200 OK • 45 ms • 433 B

```
[
    {
        "id": "68e975c8bc4a8749dd4d02b8",
        "codigo": "001",
        "nombre": "Armenia",
        "estado": true,
        "departmentId": {
            "id": "68e974ef9ebcd670ca94aac4",
            "codigo": "63",
            "nombre": "Quindio",
            "estado": true
        }
```



http://localhost:8180/api/users

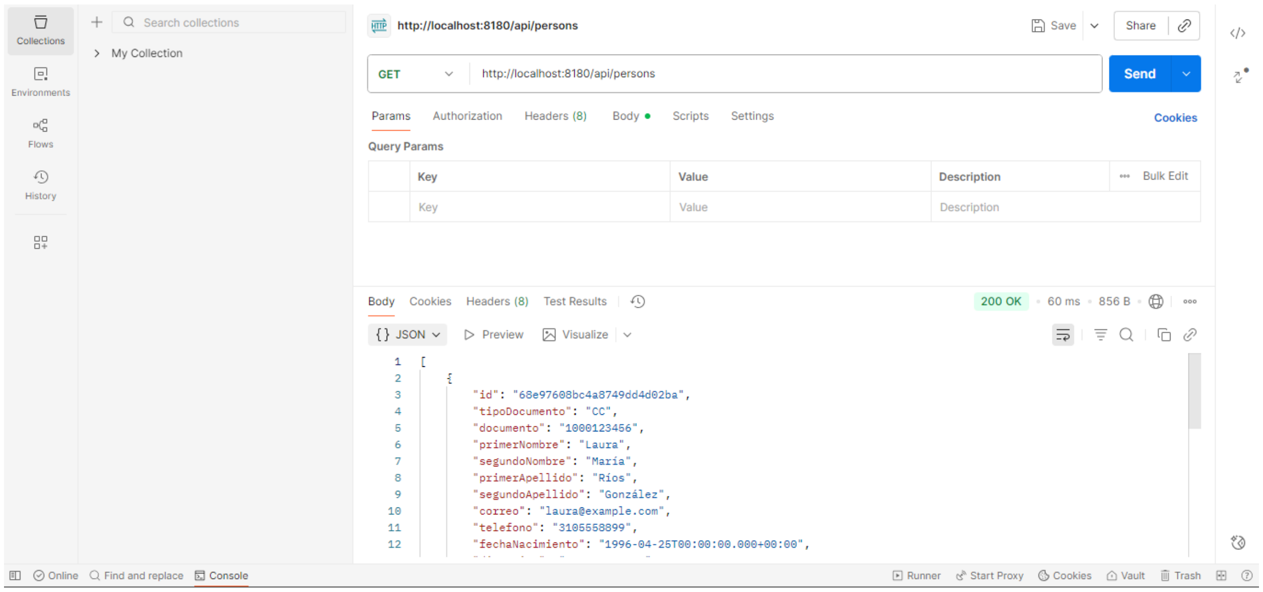
GET http://localhost:8180/api/users

Query Params

	Key	Value	Description
	Key	Value	Description

200 OK • 28 ms • 327 B

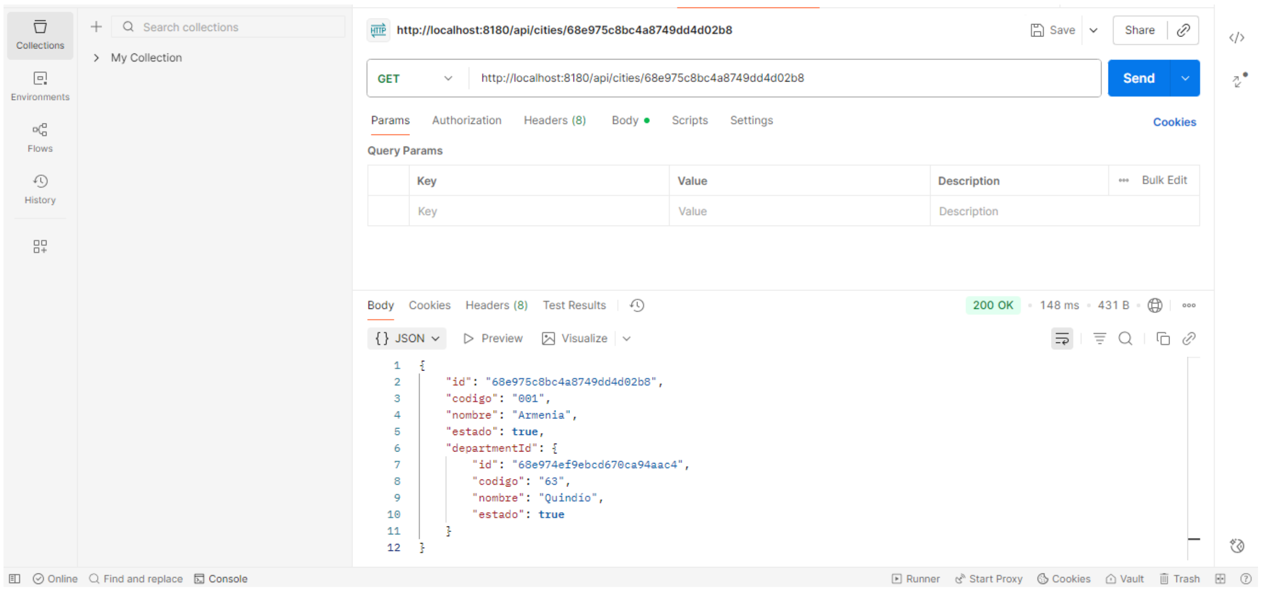
```
[
    {
        "id": "68e975dabc4a8749dd4d02b9",
        "usuario": "adminquindio",
        "estado": true
    }
]
```


GET http://localhost:8180/api/persons

200 OK · 60 ms · 856 B

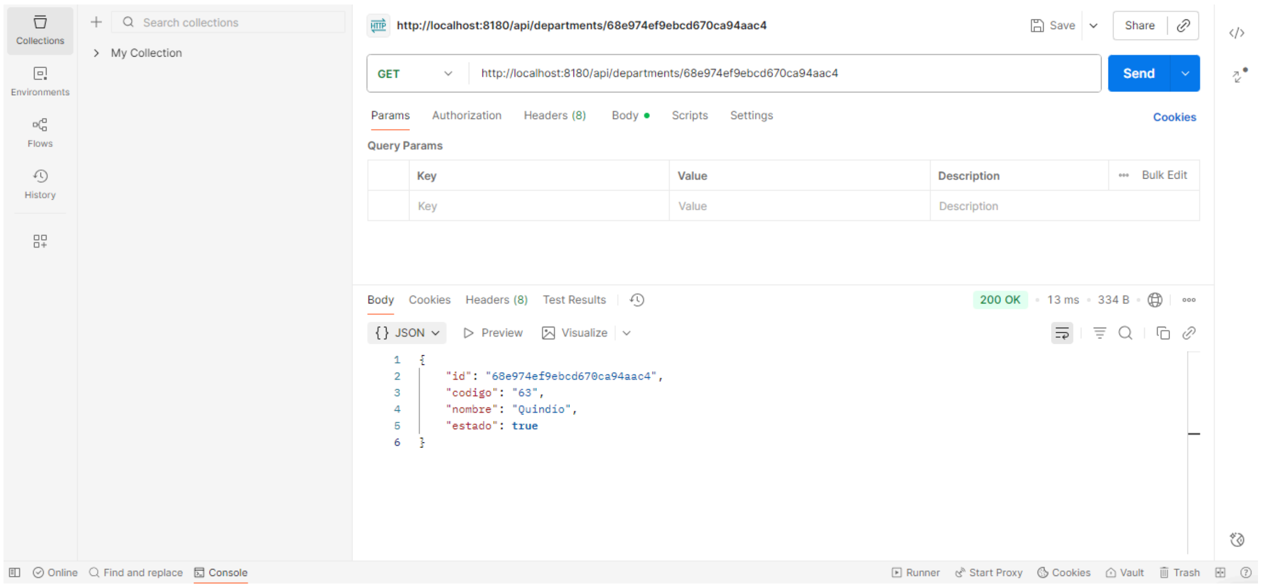
```
[
    {
        "id": "68e97608bc4a8749dd4d02ba",
        "tipoDocumento": "CC",
        "documento": "1000123456",
        "primerNombre": "Laura",
        "segundoNombre": "María",
        "primerApellido": "Ríos",
        "segundoApellido": "González",
        "correo": "laura@example.com",
        "telefono": "3105558899",
        "fechaNacimiento": "1996-04-25T00:00:00.000+00:00",
```

GET mediante un ID


GET http://localhost:8180/api/cities/68e975c8bc4a8749dd4d02b8

200 OK · 148 ms · 431 B

```
{
    "id": "68e975c8bc4a8749dd4d02b8",
    "codigo": "001",
    "nombre": "Armenia",
    "estado": true,
    "departmentId": {
        "id": "68e974ef9ebcd670ca94aac4",
        "codigo": "63",
        "nombre": "Quindío",
        "estado": true
    }
}
```



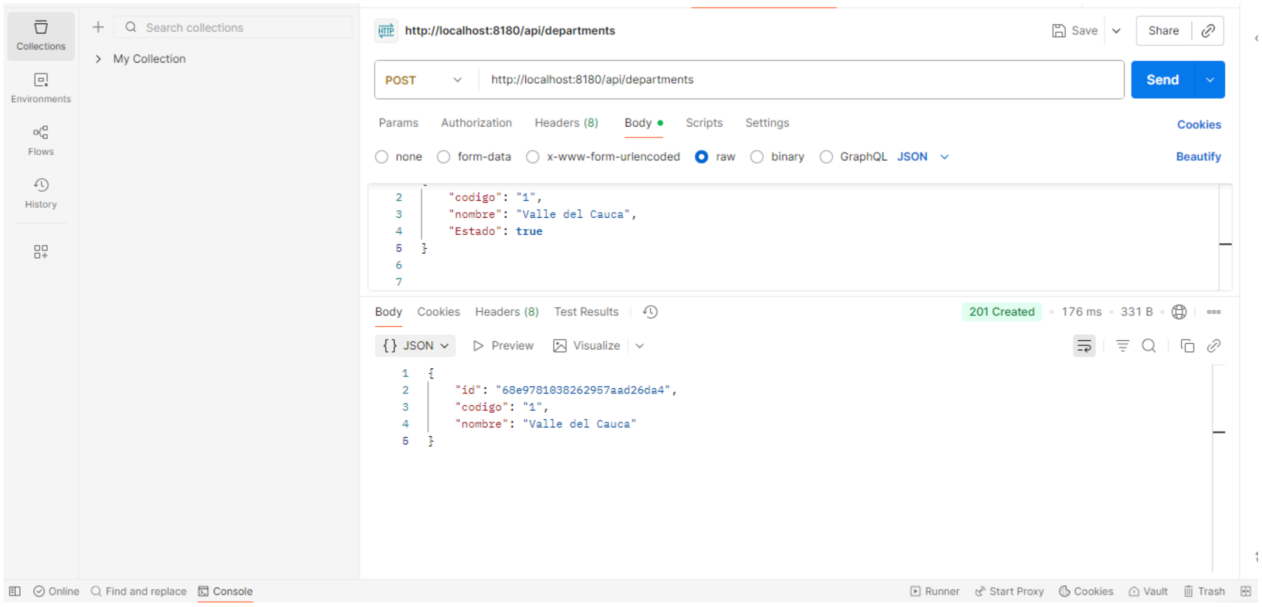
http://localhost:8180/api/departments/68e974ef9ebcd670ca94aac4

GET http://localhost:8180/api/departments/68e974ef9ebcd670ca94aac4

200 OK · 13 ms · 334 B

```
{
    "id": "68e974ef9ebcd670ca94aac4",
    "codigo": "63",
    "nombre": "Quindio",
    "estado": true
}
```

Crear nuevos registros con POST



http://localhost:8180/api/departments

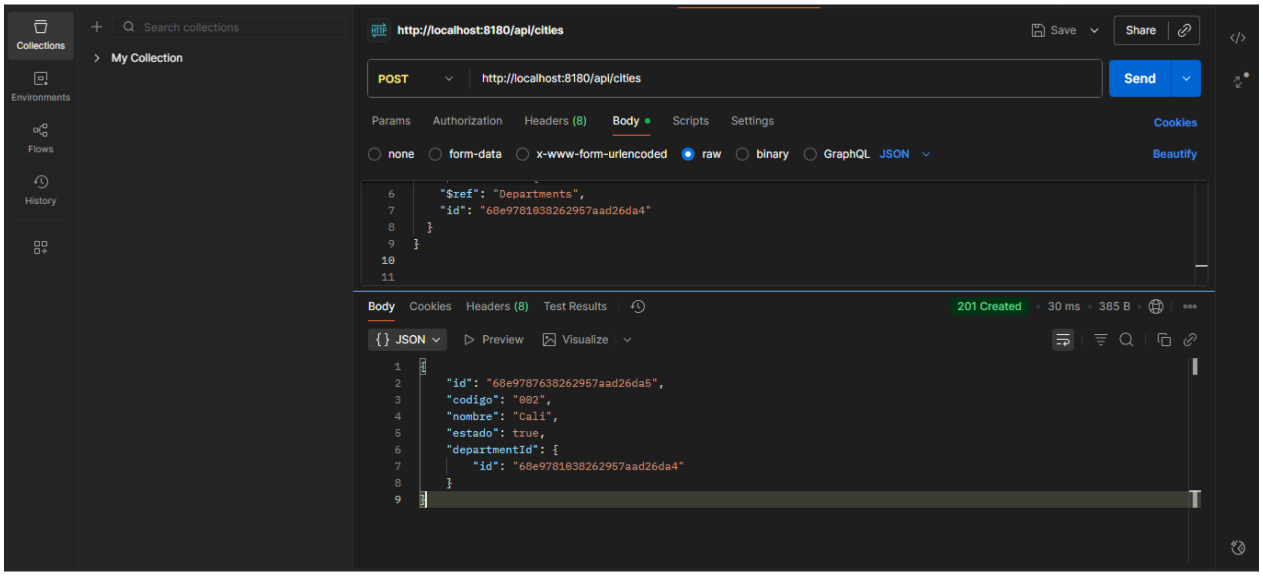
POST http://localhost:8180/api/departments

none form-data x-www-form-urlencoded [✓ raw] binary GraphQL JSON

```
    "codigo": "1",
    "nombre": "Valle del Cauca",
    "Estado": true
}
```

201 Created · 176 ms · 331 B

```
{
    "id": "68e9781038262957aad26da4",
    "codigo": "1",
    "nombre": "Valle del Cauca"
}
```

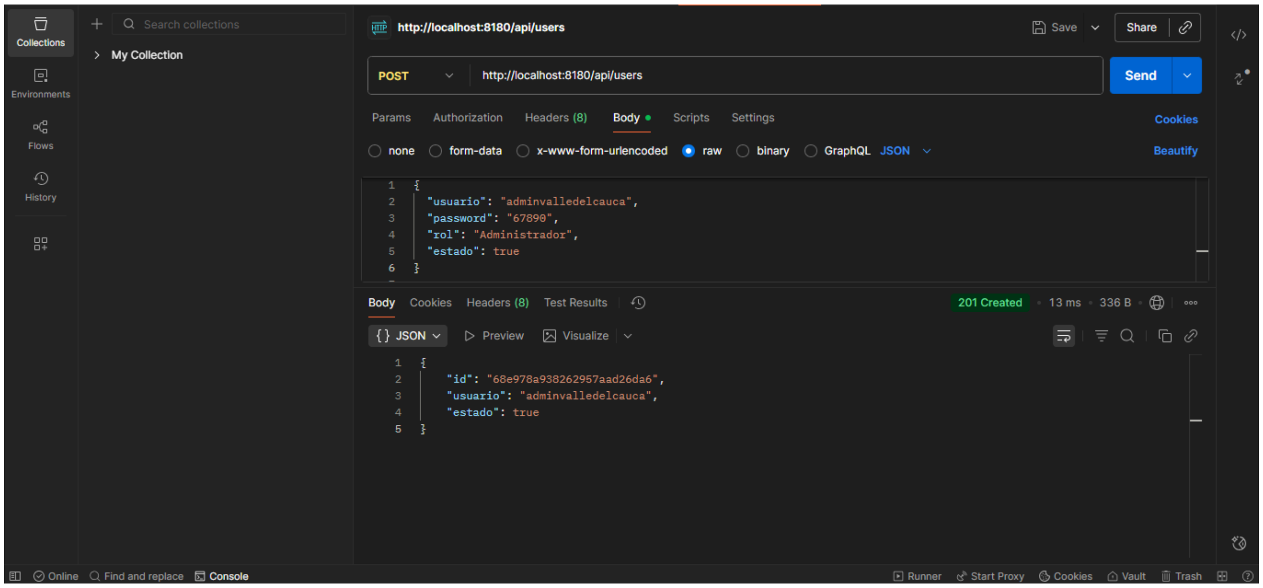

POST http://localhost:8180/api/cities

Body: raw JSON

```
    "$ref": "Departments",
    "id": "68e9781038262957aad26da4"
  }
}
```

201 Created · 30 ms · 385 B

```
{
    "id": "68e9787638262957aad26da5",
    "codigo": "002",
    "nombre": "Cali",
    "estado": true,
    "departmentId": {
        "id": "68e9781038262957aad26da4"
    }
}
```

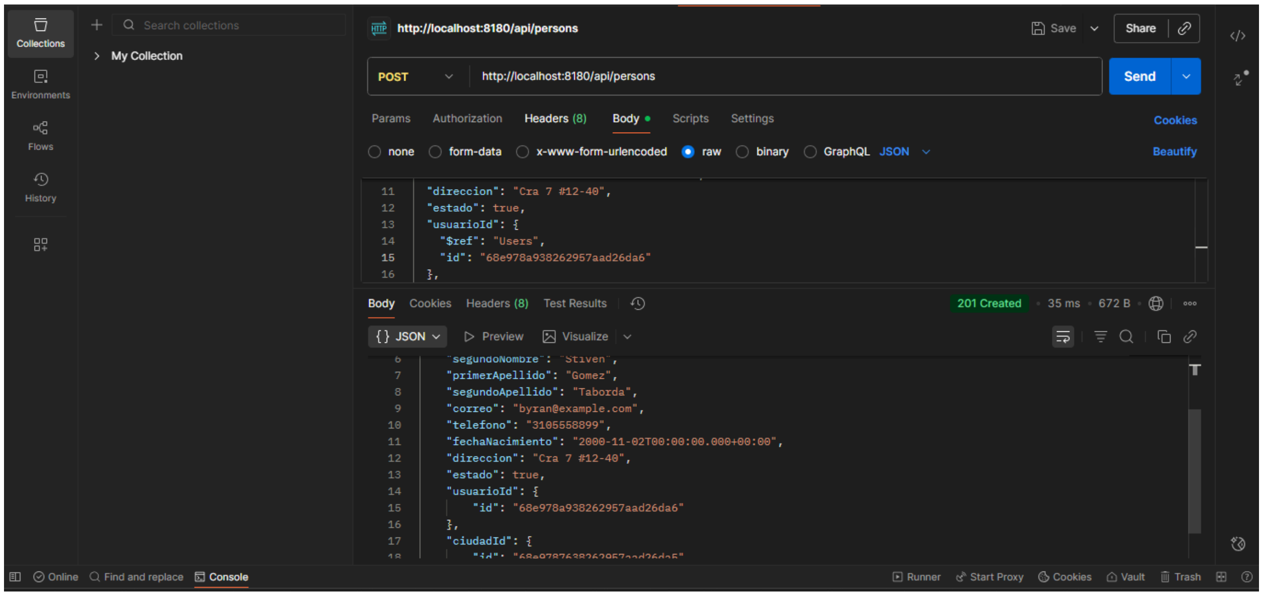

POST http://localhost:8180/api/users

Body: raw JSON

```
{
  "usuario": "adminvalledelcauca",
  "password": "67890",
  "rol": "Administrador",
  "estado": true
}
```

201 Created · 13 ms · 336 B

```
{
    "id": "68e978a938262957aad26da6",
    "usuario": "adminvalledelcauca",
    "estado": true
}
```



POST http://localhost:8180/api/persons

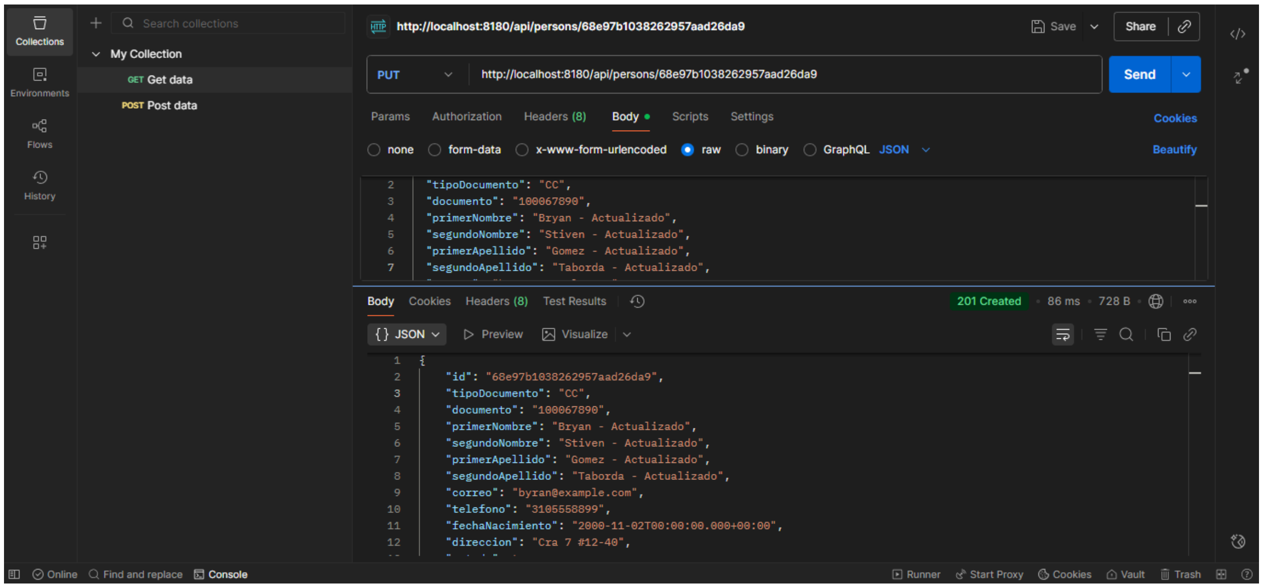
Body: raw JSON

```
  "direccion": "Cra 7 #12-40",
  "estado": true,
  "usuarioId": {
    "$ref": "Users",
    "id": "68e978a938262957aad26da6"
  },
```

201 Created · 35 ms · 672 B

```
    "segundoNombre": "Stiven",
    "primerApellido": "Gomez",
    "segundoApellido": "Taborda",
    "correo": "byran@example.com",
    "telefono": "3105558899",
    "fechaNacimiento": "2000-11-02T00:00:00.000+00:00",
    "direccion": "Cra 7 #12-40",
    "estado": true,
    "usuarioId": {
        "id": "68e978a938262957aad26da6"
    },
    "ciudadId": {
        "id": "68e9787638262957aad26da5"
```

Actualización de Alguna Colección con PUT



PUT http://localhost:8180/api/persons/68e97b1038262957aad26da9

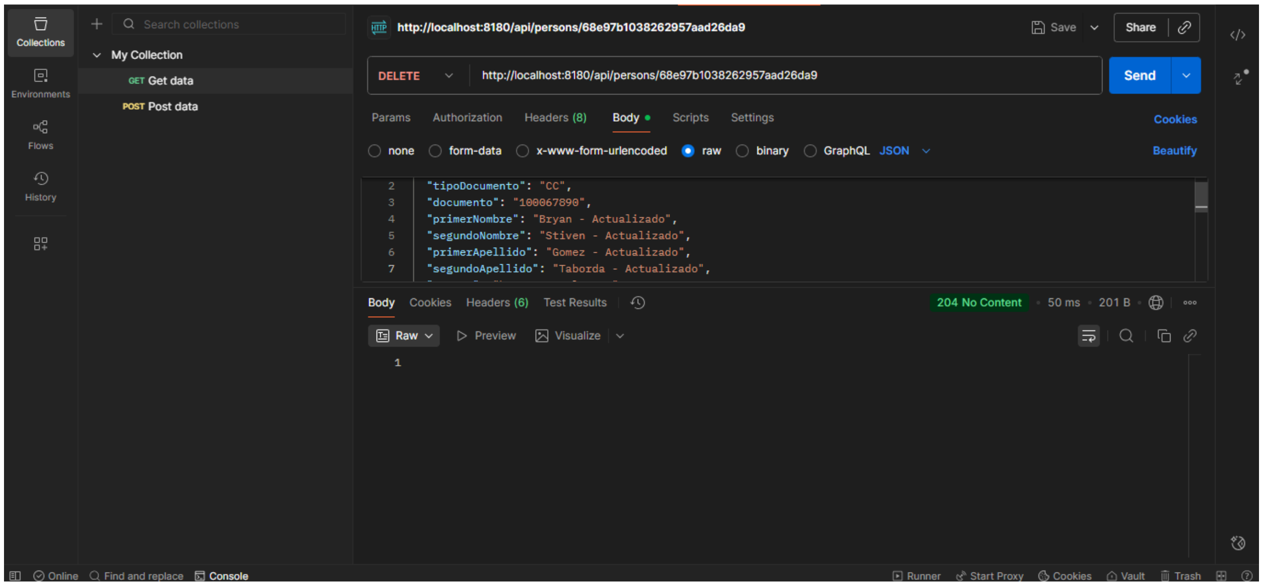
Body: raw JSON

```
  "tipoDocumento": "CC",
  "documento": "100067890",
  "primerNombre": "Bryan - Actualizado",
  "segundoNombre": "Stiven - Actualizado",
  "primerApellido": "Gomez - Actualizado",
  "segundoApellido": "Taborda - Actualizado",
```

201 Created · 86 ms · 728 B

```
{
    "id": "68e97b1038262957aad26da9",
    "tipoDocumento": "CC",
    "documento": "100067890",
    "primerNombre": "Bryan - Actualizado",
    "segundoNombre": "Stiven - Actualizado",
    "primerApellido": "Gomez - Actualizado",
    "segundoApellido": "Taborda - Actualizado",
    "correo": "byran@example.com",
    "telefono": "3105558899",
    "fechaNacimiento": "2000-11-02T00:00:00.000+00:00",
    "direccion": "Cra 7 #12-40",
```

DELETE de un documento de una Colección



http://localhost:8180/api/persons/68e97b1038262957aad26da9

DELETE http://localhost:8180/api/persons/68e97b1038262957aad26da9

```
"tipoDocumento": "CC",
"documento": "100067890",
"primerNombre": "Bryan - Actualizado",
"segundoNombre": "Stiven - Actualizado",
"primerApellido": "Gomez - Actualizado",
"segundoApellido": "Taborda - Actualizado",
```

204 No Content · 50 ms · 201 B