

# REST API Development

## Symfony 5 and Doctrine

### Installation and setup guide:

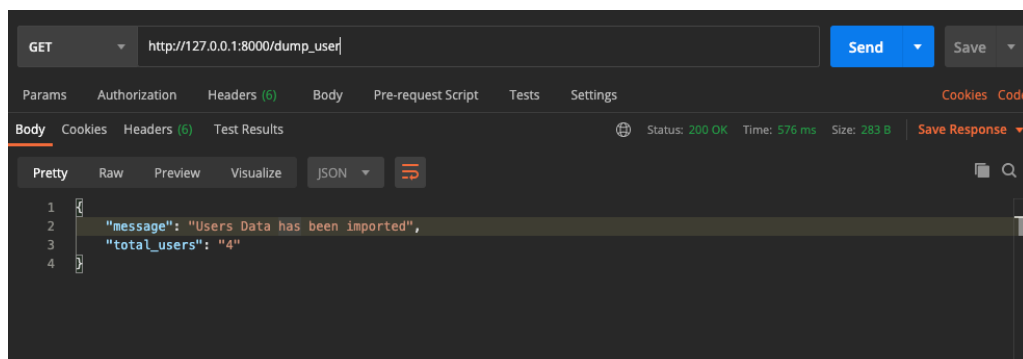
Firstly, create the database using Doctrine: Migration command with the help of `.env` file

Note: [127.0.0.1:8000](http://127.0.0.1:8000) (the host and port may vary to you)

### Creating user data:

Use this endpoint to create the sample user data

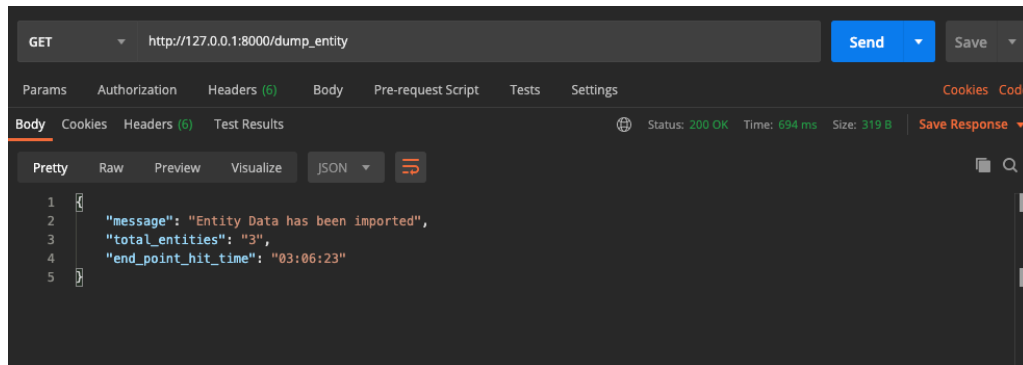
[http://127.0.0.1:8000/dump\\_user](http://127.0.0.1:8000/dump_user) {GET}



## Creating entity data:

Use this endpoint to create the sample entity data

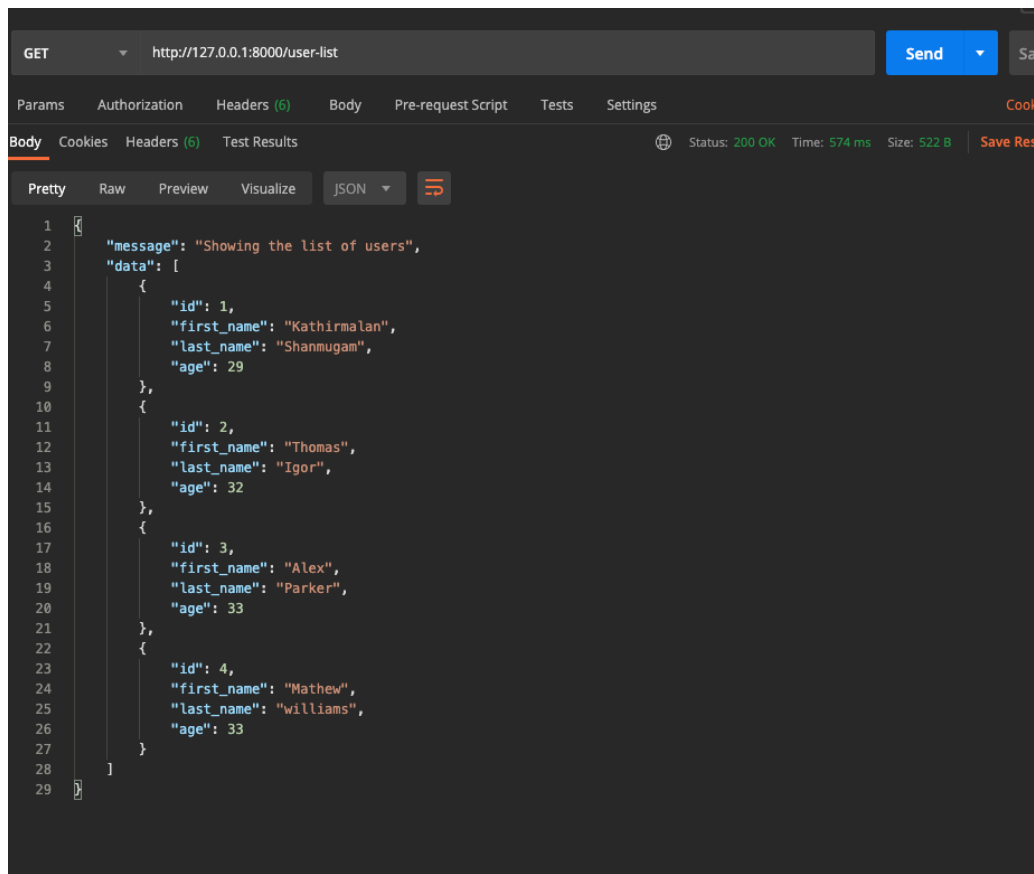
[http://127.0.0.1:8000/dump\\_entity](http://127.0.0.1:8000/dump_entity) {GET}



## Show User list:

Use this endpoint to view the list of users created

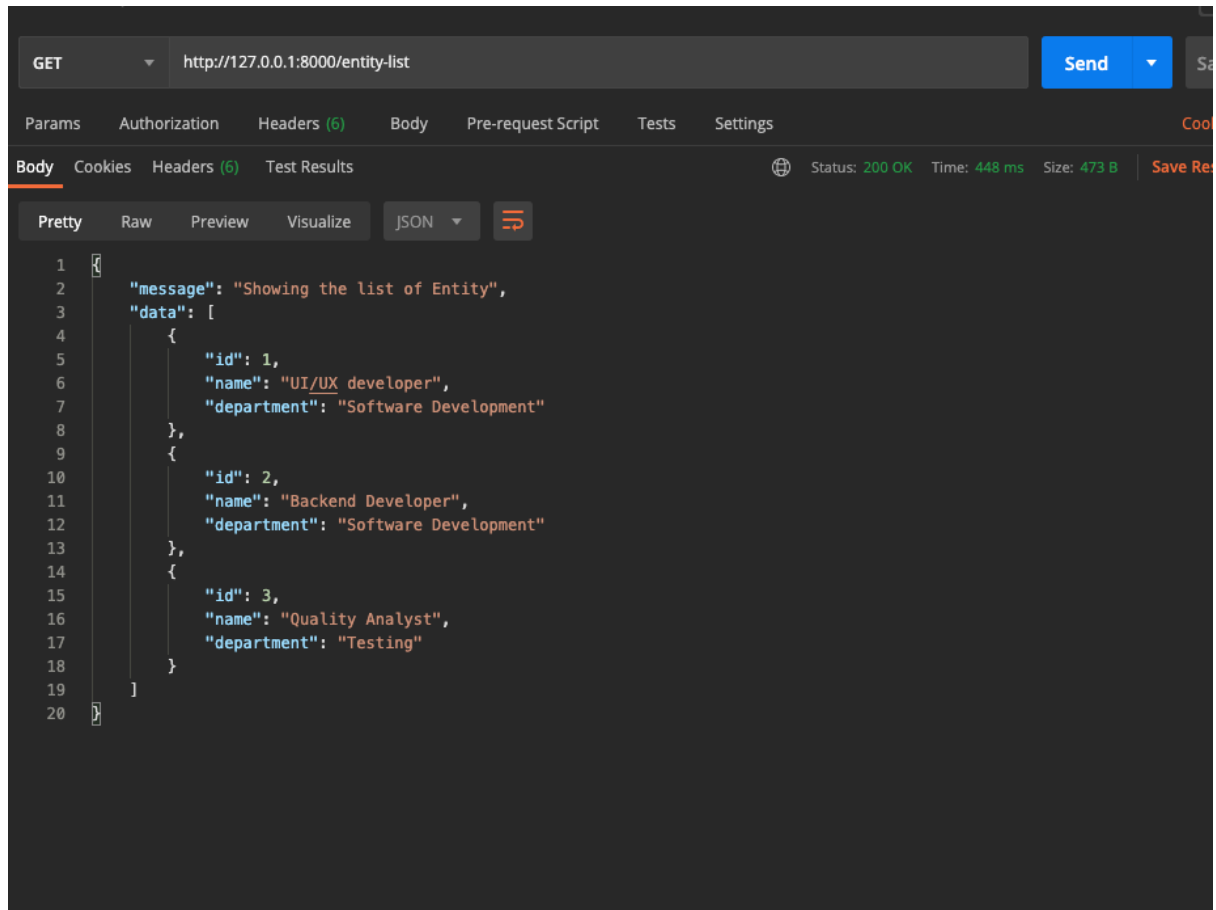
<http://127.0.0.1:8000/user-list> {GET}



## Show Entity list:

Use this endpoint to view the list of Entity created

<http://127.0.0.1:8000/entity-list> {GET}



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

- Method:** GET
- URL:** http://127.0.0.1:8000/entity-list
- Status:** 200 OK
- Time:** 448 ms
- Size:** 473 B

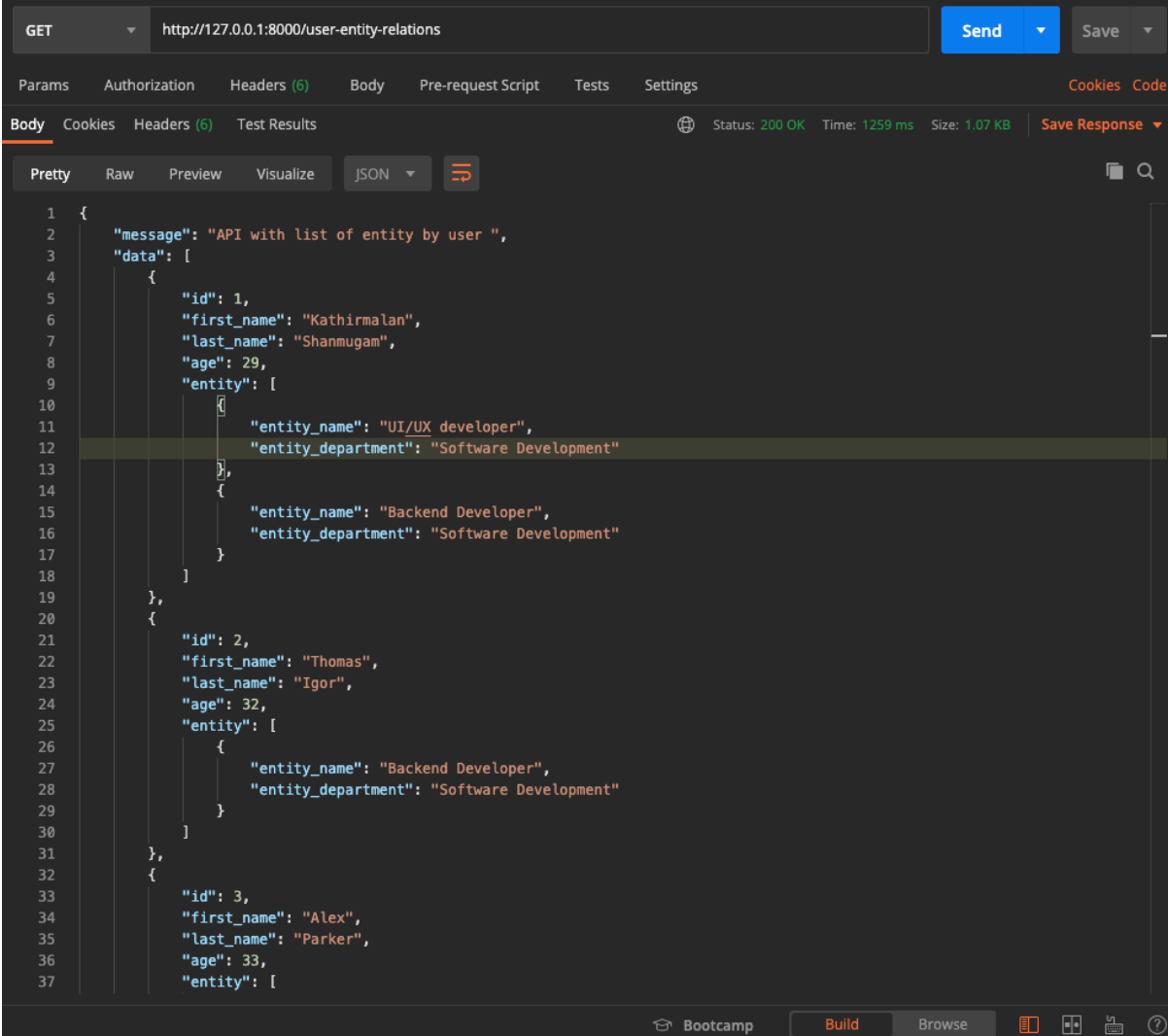
The response body is displayed in JSON format:

```
{
  "message": "Showing the list of Entity",
  "data": [
    {
      "id": 1,
      "name": "UI/UX developer",
      "department": "Software Development"
    },
    {
      "id": 2,
      "name": "Backend Developer",
      "department": "Software Development"
    },
    {
      "id": 3,
      "name": "Quality Analyst",
      "department": "Testing"
    }
  ]
}
```

## SOLUTION:

Use this endpoint to view the *relationship between User and Entity*

<http://127.0.0.1:8000/user-entity-relations> {GET}



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

- Method:** GET
- URL:** http://127.0.0.1:8000/user-entity-relations
- Status:** 200 OK
- Time:** 1259 ms
- Size:** 1.07 KB

The response body is displayed in JSON format:

```
1 {
2   "message": "API with list of entity by user ",
3   "data": [
4     {
5       "id": 1,
6       "first_name": "Kathirmalan",
7       "last_name": "Shanmugam",
8       "age": 29,
9       "entity": [
10        {
11          "entity_name": "UI/UX developer",
12          "entity_department": "Software Development"
13        },
14        {
15          "entity_name": "Backend Developer",
16          "entity_department": "Software Development"
17        }
18      ]
19    },
20    {
21      "id": 2,
22      "first_name": "Thomas",
23      "last_name": "Igor",
24      "age": 32,
25      "entity": [
26        {
27          "entity_name": "Backend Developer",
28          "entity_department": "Software Development"
29        }
30      ]
31    },
32    {
33      "id": 3,
34      "first_name": "Alex",
35      "last_name": "Parker",
36      "age": 33,
37      "entity": [
```