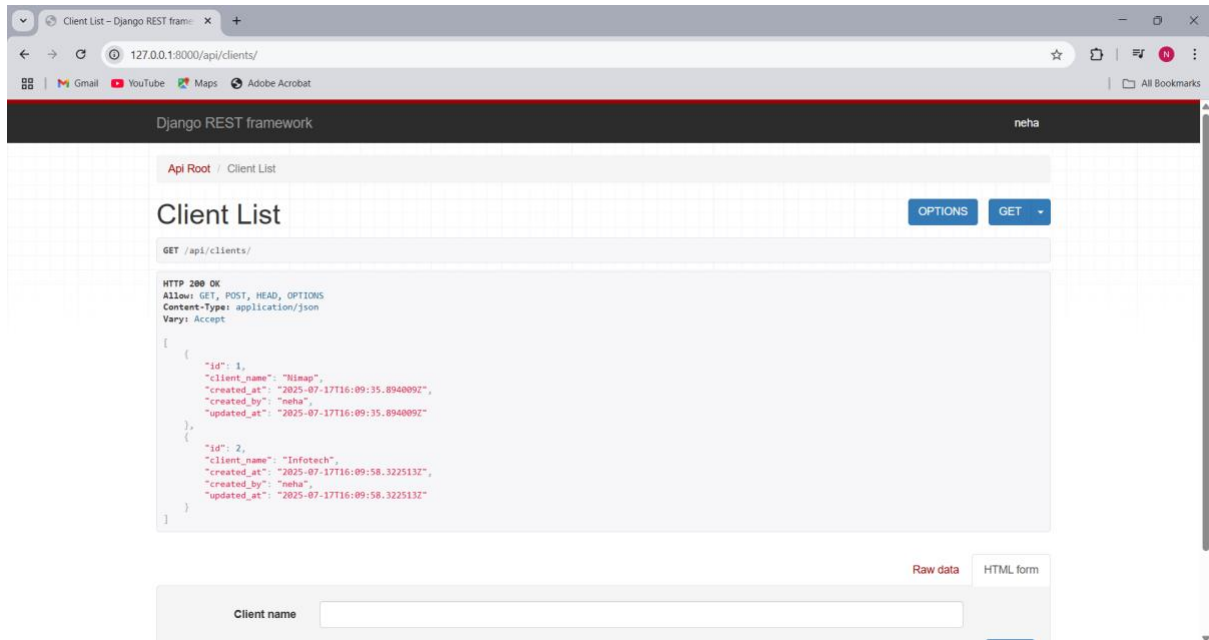


Nimap Task

CLIENT PROJECT MANAGER API

List of all clients ->

Get/clients/



The screenshot shows the Django REST framework API client interface. The browser address bar displays the URL `127.0.0.1:8000/api/clients/`. The page title is "Client List". The "OPTIONS" button is visible. The "GET" button is selected. The response is a JSON array of two client objects:

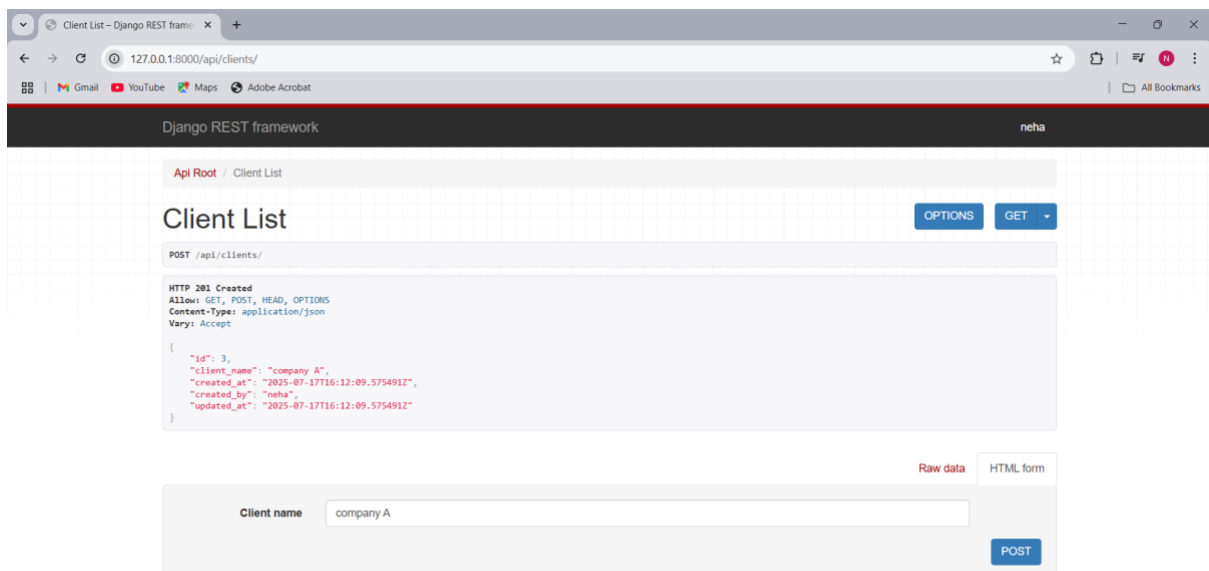
```
HTTP 200 OK
Allow: GET, POST, HEAD, OPTIONS
Content-Type: application/json
Vary: Accept

[
  {
    "id": 1,
    "client_name": "Nimap",
    "created_at": "2025-07-17T16:09:35.894009Z",
    "created_by": "neha",
    "updated_at": "2025-07-17T16:09:35.894009Z"
  },
  {
    "id": 2,
    "client_name": "Infotech",
    "created_at": "2025-07-17T16:09:58.322513Z",
    "created_by": "neha",
    "updated_at": "2025-07-17T16:09:58.322513Z"
  }
]
```

Below the response, there are tabs for "Raw data" and "HTML form". The "Raw data" tab is selected. Below the tabs, there is a form with a label "Client name" and an input field.

Create a new client ->

POST/clients/



The screenshot shows the Django REST framework API client interface. The browser address bar displays the URL `127.0.0.1:8000/api/clients/`. The page title is "Client List". The "OPTIONS" button is visible. The "GET" button is selected. The response is a JSON object representing a newly created client:

```
HTTP 201 Created
Allow: GET, POST, HEAD, OPTIONS
Content-Type: application/json
Vary: Accept

{
  "id": 3,
  "client_name": "company A",
  "created_at": "2025-07-17T16:12:09.575491Z",
  "created_by": "neha",
  "updated_at": "2025-07-17T16:12:09.575491Z"
}
```

Below the response, there are tabs for "Raw data" and "HTML form". The "Raw data" tab is selected. Below the tabs, there is a form with a label "Client name" and an input field containing the text "company A". A "POST" button is visible at the bottom right of the form.

Retrieve info of a client along with projects assigned to its users ->

GET/clients/:id

The screenshot shows the Django REST framework API browser interface. The browser tab is titled "User Project List - Django REST". The address bar shows the URL "127.0.0.1:8000/api/projects/". The page header indicates the API root is "/api/" and the current view is "User Project List". The "OPTIONS" button is visible, and the "GET" button is selected. The response is displayed in a code editor, showing a JSON array of two project objects. Each project object contains an "id", "project_name", "users" (a list of user objects), "created_at", and "created_by".

```
HTTP 200 OK
Allow: GET, HEAD, OPTIONS
Content-Type: application/json
Vary: Accept

[
  {
    "id": 1,
    "project_name": "Project A",
    "users": [
      {
        "id": 1,
        "username": "neha"
      }
    ],
    "created_at": "2025-07-17T17:21:22.964652Z",
    "created_by": "neha"
  },
  {
    "id": 2,
    "project_name": "Project B",
    "users": [
      {
        "id": 1,
        "username": "neha"
      }
    ],
    "created_at": "2025-07-17T17:22:46.187572Z",
    "created_by": "neha"
  }
]
```

Update info of a client

Put/clients/:id

The screenshot shows the Django REST framework API browser interface for updating a client. The browser tab is titled "Client Instance - Django REST". The address bar shows the URL "127.0.0.1:8000/api/clients/2/". The page header indicates the API root is "/api/" and the current view is "Client Instance". The "Raw data" tab is selected, and the "PUT" button is visible. The response is displayed in a code editor, showing a JSON object representing the updated client. The object contains "id", "client_name", "created_at", "created_by", "updated_at", and "projects" (a list of project objects). Below the code editor, there is a form with a "Client name" input field containing the text "Mindspace". A tooltip提示 "Make a PUT request on the Client Instance resource" is visible next to the "PUT" button.

```
Content-Type: application/json
Vary: Accept

{
  "id": 2,
  "client_name": "Infotech",
  "created_at": "2025-07-17T16:09:58.322513Z",
  "created_by": "neha",
  "updated_at": "2025-07-17T16:09:58.322513Z",
  "projects": [
    {
      "id": 2,
      "project_name": "Project B",
      "users": [
        {
          "id": 1,
          "username": "neha"
        }
      ],
      "created_at": "2025-07-17T17:22:46.187572Z",
      "created_by": "neha"
    }
  ]
}
```

Client name:

PUT

Client Instance - Django REST | X +

127.0.0.1:8000/api/clients/2/

Django REST framework neha

Api Root / Client List Client Instance

Client Instance

DELETE OPTIONS GET ▾

PUT /api/clients/2/

HTTP 200 OK
Allow: GET, PUT, PATCH, DELETE, HEAD, OPTIONS
Content-Type: application/json
Vary: Accept

```
{
  "id": 2,
  "client_name": "Mindspace",
  "created_at": "2025-07-17T16:09:58.322513Z",
  "created_by": "neha",
  "updated_at": "2025-07-17T17:29:02.199979Z"
}
```

Raw data HTML form

Client name Mindspace

PUT

Delete/clients/:id

Client Instance - Django REST | X +

127.0.0.1:8000/api/clients/4/

Django REST framework neha

Api Root / Client List Client Instance

Client Instance

DELETE OPTIONS GET ▾

GET /api/clients/4/

HTTP 200 OK
Allow: GET, PUT, PATCH, DELETE, HEAD, OPTIONS
Content-Type: application/json
Vary: Accept

```
{
  "id": 4,
  "client_name": "Infotech",
  "created_at": "2025-07-17T17:31:33.668359Z",
  "created_by": "neha",
  "updated_at": "2025-07-17T17:31:33.668359Z",
  "projects": []
}
```

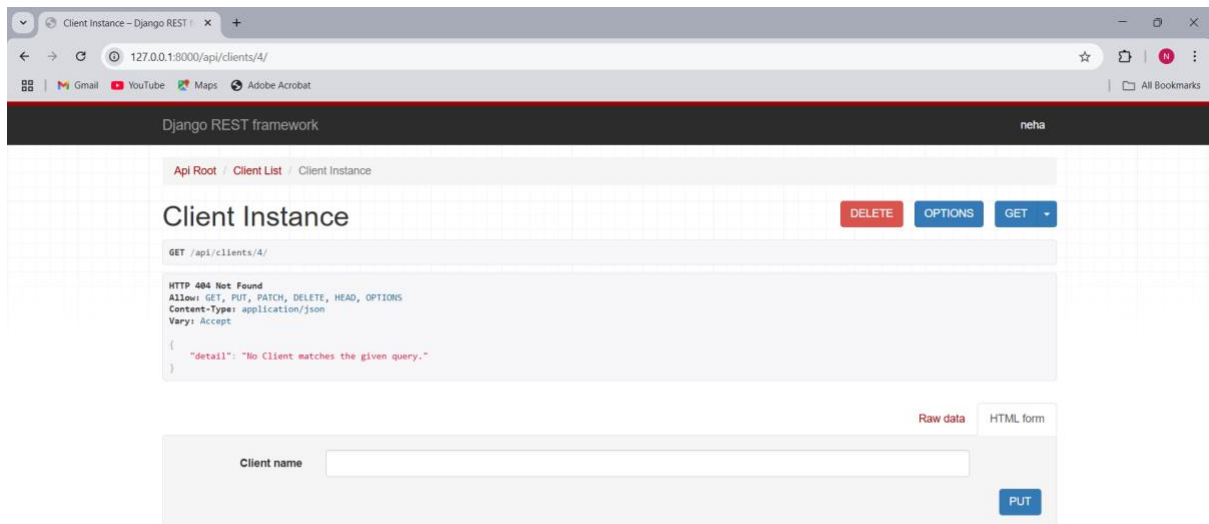
Raw data HTML form

Client name Infotech

PUT

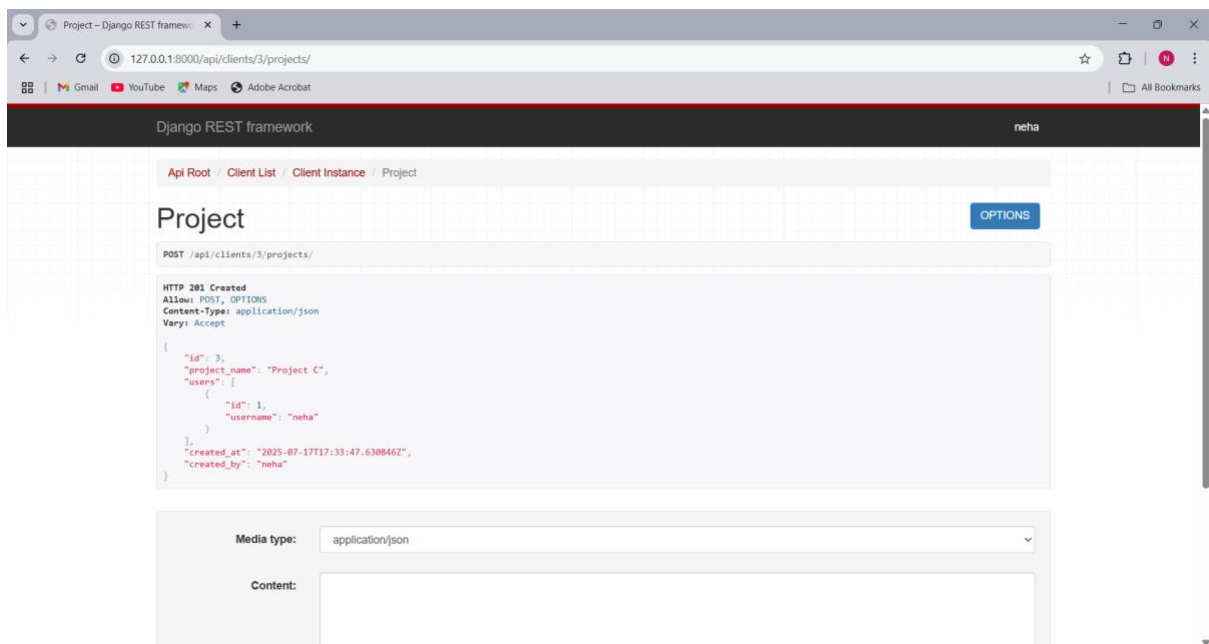
Are you sure you want to delete this Client Instance?

Cancel Delete



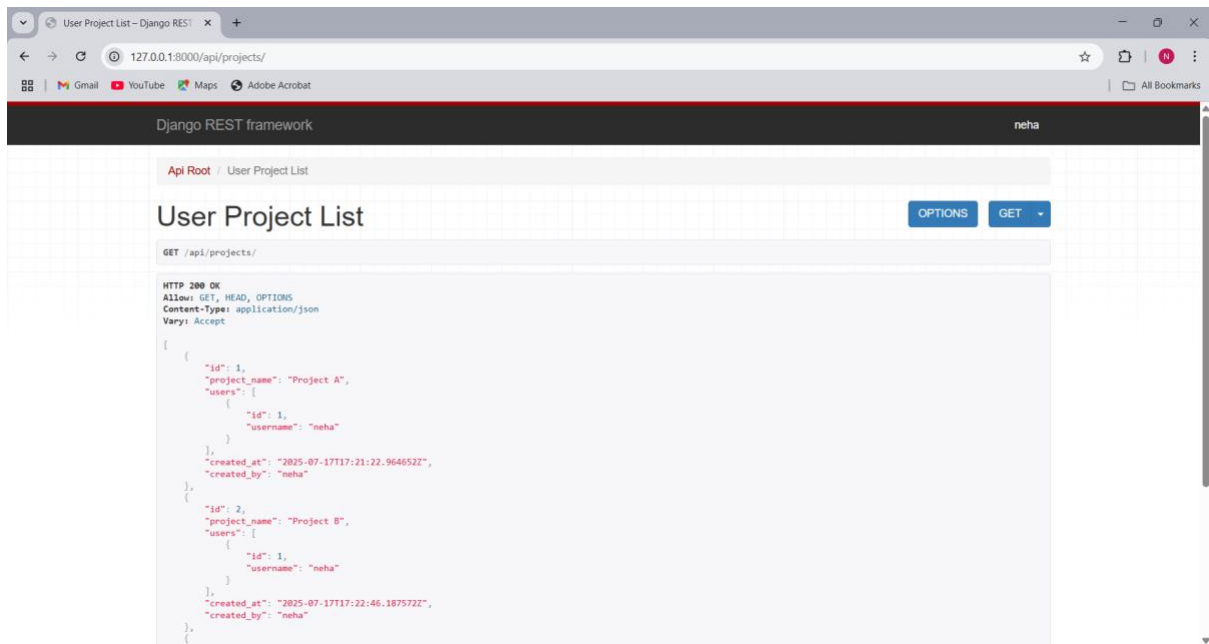
Create a new project ->

POST clients/:id/projects/

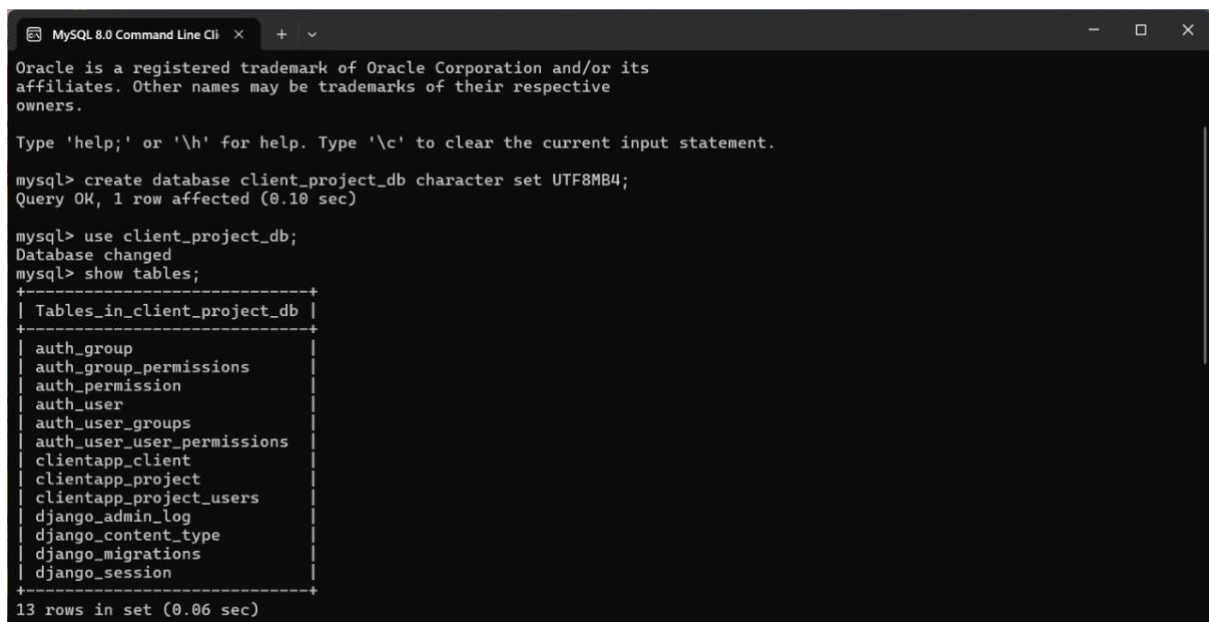


List of all projects assigned to the logged-in user

GET/projects



Database client_project_db



```
MySQL 8.0 Command Line Cli x + v
mysql> select * from clientapp_client;
+-----+-----+-----+-----+-----+
| id | client_name | created_at | updated_at | created_by_id |
+-----+-----+-----+-----+-----+
| 1 | Nimap | 2025-07-17 16:09:35.894009 | 2025-07-17 16:09:35.894009 | 1 |
| 2 | Infotech | 2025-07-17 16:09:58.322513 | 2025-07-17 16:09:58.322513 | 1 |
| 3 | company A | 2025-07-17 16:12:09.575491 | 2025-07-17 16:12:09.575491 | 1 |
+-----+-----+-----+-----+-----+
3 rows in set (0.01 sec)

mysql> select * from clientapp_project;
+-----+-----+-----+-----+-----+
| id | project_name | created_at | client_id | created_by_id |
+-----+-----+-----+-----+-----+
| 1 | Project A | 2025-07-17 17:21:22.964652 | 1 | 1 |
| 2 | Project B | 2025-07-17 17:22:46.187572 | 2 | 1 |
+-----+-----+-----+-----+-----+
2 rows in set (0.01 sec)

mysql> select * from clientapp_project_users;
+-----+-----+-----+
| id | project_id | user_id |
+-----+-----+-----+
| 1 | 1 | 1 |
| 2 | 2 | 1 |
+-----+-----+-----+
2 rows in set (0.01 sec)

mysql>
```