

# REST API using Django-Python

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The screenshot shows a web browser at `localhost:8000/users/` displaying the Django REST framework interface for the `Api Root / User List` endpoint. The title is `User List`. The method is `GET /users/`. The response is `HTTP 200 OK` with `Allow: GET, POST, HEAD, OPTIONS`, `Content-Type: application/json`, and `Vary: Accept`. The JSON response contains two user objects:

```
[
  {
    "id": 1,
    "firstName": "Apurva",
    "lastName": "Mansinghka",
    "company": "Sangam School Of Excellence",
    "age": 23,
    "city": "Bhilwara",
    "state": "Rajasthan",
    "zip": 311001,
    "email": "apurva.mansinghka@gmail.com",
    "web": "www.sangamschoolbhiwara.com"
  },
  {
    "id": 2,
    "firstName": "James",
    "lastName": "Butt",
    "company": "Benton, John B Jr",
    "age": 70,
  }
]
```

## Show Details of user as per ID

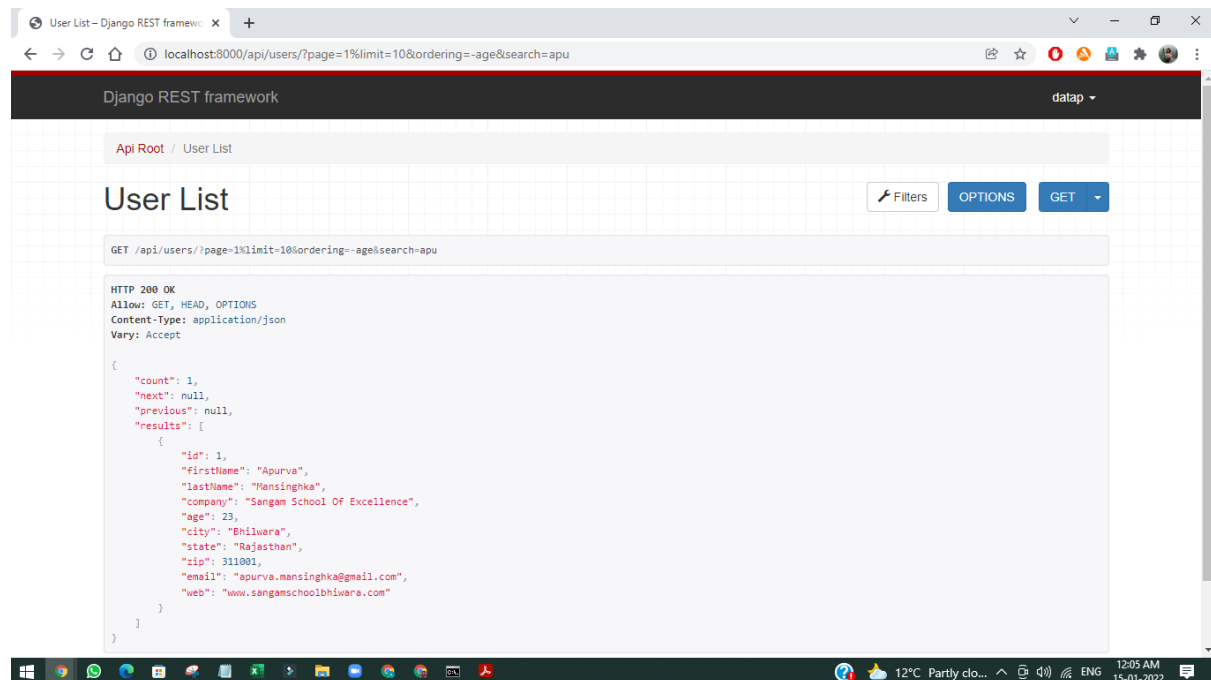
The screenshot shows a web browser at `localhost:8000/users/1/` displaying the Django REST framework interface for the `Api Root / User List / User Instance` endpoint. The title is `User Instance`. The method is `GET /users/1/`. The response is `HTTP 200 OK` with `Allow: GET, PUT, PATCH, DELETE, HEAD, OPTIONS`, `Content-Type: application/json`, and `Vary: Accept`. The JSON response contains a single user object:

```
{
  "id": 1,
  "firstName": "Apurva",
  "lastName": "Mansinghka",
  "company": "Sangam School Of Excellence",
  "age": 23,
  "city": "Bhilwara",
  "state": "Rajasthan",
  "zip": 311001,
  "email": "apurva.mansinghka@gmail.com",
  "web": "www.sangamschoolbhiwara.com"
}
```

At the bottom right, there are tabs for `Raw data` and `HTML form`.

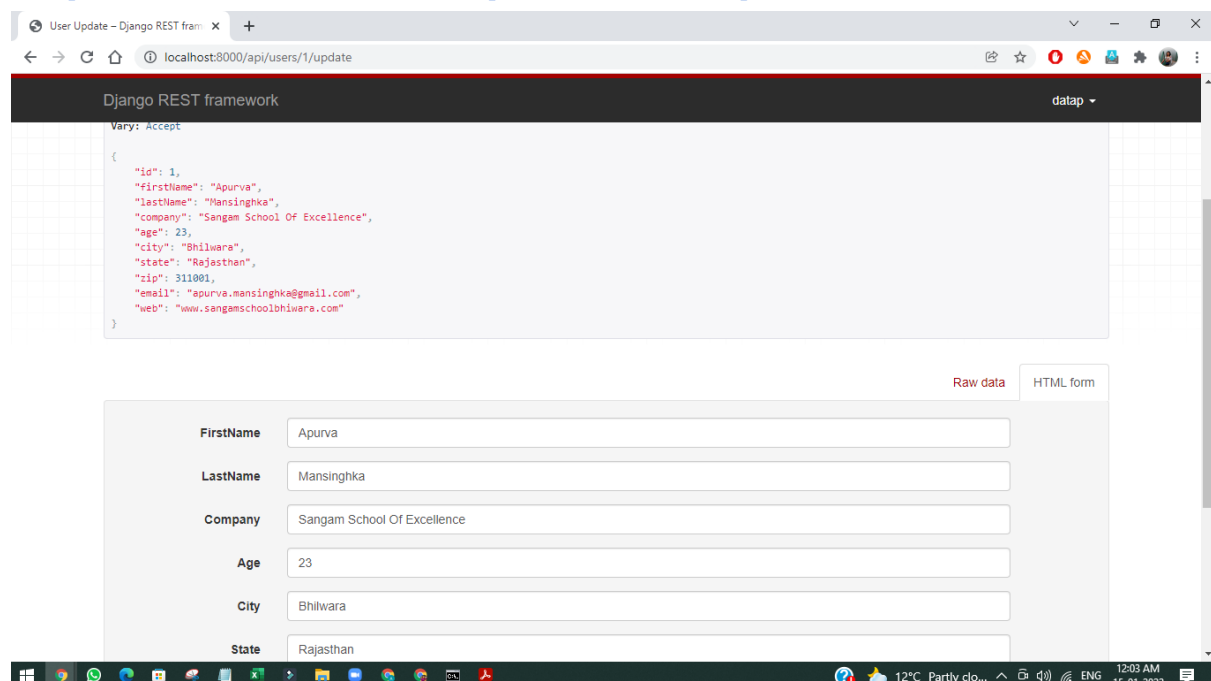
## Searching, sorting

**<http://localhost:8000/api/users/?page=1%limit=10&ordering=-age&search=apu>**



## Update existing entry

**<http://localhost:8000/api/users/1/update>**



## Create new user

<http://localhost:8000/api/users/new>

Django REST framework

Api Root / User List / User Create

### User Create

OPTIONS

GET /api/users/new

```
HTTP 405 Method Not Allowed
Allow: POST, OPTIONS
Content-Type: application/json
Vary: Accept

{
  "detail": "Method \"GET\" not allowed."
}
```

Raw data HTML form

FirstName

LastName

Company

Age

## Delete existing user

<http://localhost:8000/api/users/1/delete>

Django REST framework

Api Root / User List / User Destroy

### User Destroy

DELETE OPTIONS

GET /api/users/1/delete

```
HTTP 405 Method Not Allowed
Allow: DELETE, OPTIONS
Content-Type: application/json
Vary: Accept

{
  "detail": "Method \"GET\" not allowed."
}
```

Raw data HTML form