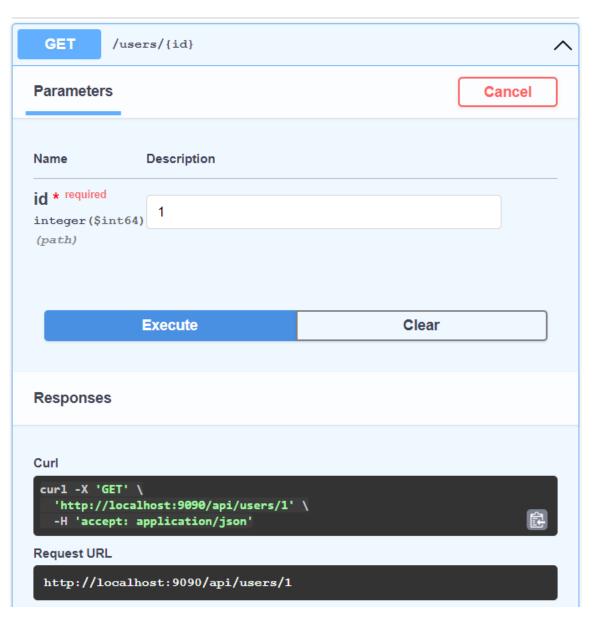## Implanted Functions

Get User

```
Visualize
resource function get users/[int id]() returns User|http:NotFound|error {
...
// Execute simple query to fetch record with requested id.
User|sql:Error user = myClient->queryRow(`SELECT * FROM users WHERE id = ${id}`);

// Check if record is available or not
if user is sql:NoRowsError {
    return http:NOT_FOUND;
} else {
    return user;
}
}
```

GET	/users/{id}	⌃

Parameters   Cancel

Name	Description

id * required
integer($int64)
(path)

`1`

Execute	Clear

Responses

Curl
```
curl -X 'GET' \
  'http://localhost:9090/api/users/1' \
  -H 'accept: application/json'
```

Request URL
```
http://localhost:9090/api/users/1
```

Server response

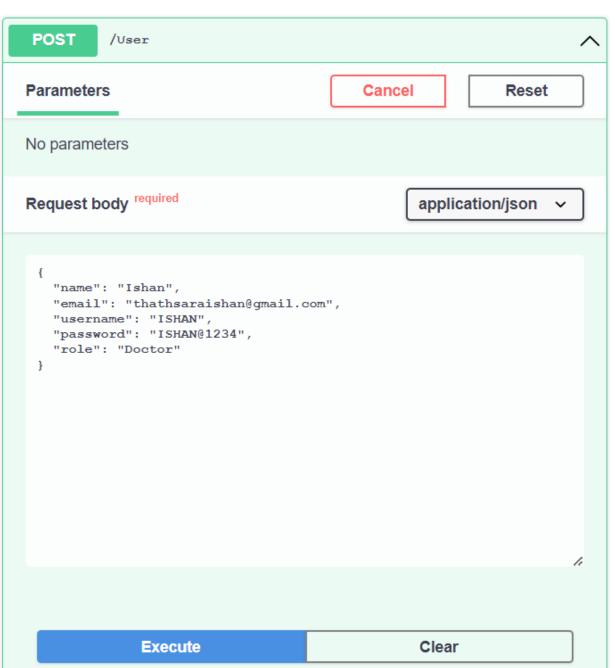| Code	Details
200	**Response body**

```
{
  "id": 1,
  "name": "John Doe",
  "email": "john.doe@gmail.com",
  "username": "USERNAME",
  "password": "password",
  "role": "patient"
}
```

Download

Response headers

```
content-type: application/json
connection: close
server: ballerina
date: Sun, 20 Oct 2024 20:36:38 +0530
content-length: 119
```

Save a user in the database (Registration)

```
// Resource to create a user
Visualize
resource function post User(NewUser newUser) returns http:Created|error {
    _ = check myClient->execute(
        `INSERT INTO users (NAME, EMAIL, USERNAME, PASSWORD, ROLE) VALUES
        (${newUser.name}, ${newUser.email}, ${newUser.username}, ${newUser.password}, ${newUser.role})`);

    return http:CREATED;
}
```

POST	/User	∧

Parameters   **Cancel**   **Reset**

No parameters

Request body required   application/json ∨

```
{
    "name": "Ishan",
    "email": "thathsaraishan@gmail.com",
    "username": "ISHAN",
    "password": "ISHAN@1234",
    "role": "Doctor"
}
```

Execute	Clear

Responses

Curl

```
curl -X 'POST' \
  'http://localhost:9090/api/User' \
  -H 'accept: */*' \
  -H 'Content-Type: application/json' \
  -d '{
  "name": "Ishan",
  "email": "thathsaraishan@gmail.com",
  "username": "ISHAN",
  "password": "ISHAN@1234",
  "role": "Doctor"
}'
```

Request URL

```
http://localhost:9090/api/User
```

Server response

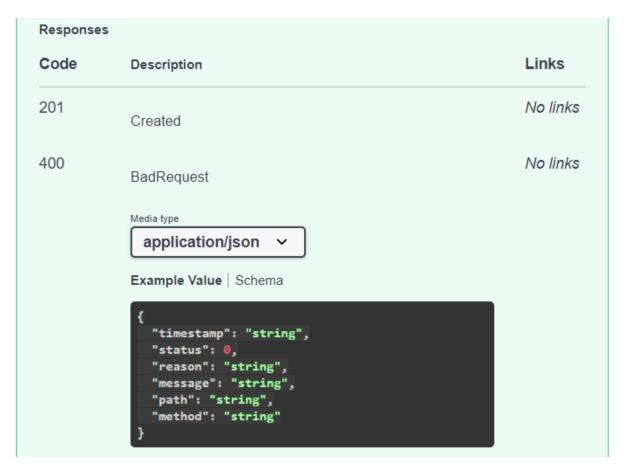| Code	Details

201

Response body

```
""
```

[Download]

Response headers

```
content-length: 0
connection: close
server: ballerina
date: Sun, 20 Oct 2024 20:39:27 +0530
```

Responses

Code	Description	Links
201	Created	*No links*
400	BadRequest	*No links*

Media type

application/json ∨

Example Value | Schema

```
{
  "timestamp": "string",
  "status": 0,
  "reason": "string",
  "message": "string",
  "path": "string",
  "method": "string"
}
```

Code	Description	Links
500	InternalServerError	*No links*

Media type

application/json ∨

Example Value | Schema

```
{
  "timestamp": "string",
  "status": 0,
  "reason": "string",
  "message": "string",
  "path": "string",
  "method": "string"
}
```