

REST API with MongoDB

1. POST /user

The screenshot shows the Thunder Client interface. On the left, the 'Activity' panel lists several requests, with the most recent being a POST to localhost:3000/user. The main panel displays the details of this request. The method is POST, and the URL is http://localhost:3000/user. The 'Body' tab is selected, showing a JSON object with the following content:

```
1 {
2   "firstName": "Rahul",
3   "lastName": "Tiwari",
4   "hobby": "Football",
5   "email": "rahul@gmail.com"
6 }
```

The status bar at the top right indicates a successful response: Status: 201 Created, Size: 173 Bytes, Time: 66 ms. The 'Response' tab on the right shows the JSON response:

```
1 {
2   "message": "User successfully saved",
3   "saved": {
4     "firstName": "Rahul",
5     "lastName": "Tiwari",
6     "email": "rahul@gmail.com",
7     "hobby": "Football",
8     "_id": "6810fb299f658d7dc93fd34d",
9     "__v": 0
10  }
11 }
```

2. GET /users

The screenshot shows the Thunder Client interface. On the left, the 'Activity' panel lists several requests, with the most recent being a GET to localhost:3000/users. The main panel displays the details of this request. The method is GET, and the URL is http://localhost:3000/users. The 'Query' tab is selected, showing no query parameters. The status bar at the top right indicates a successful response: Status: 200 OK, Size: 409 Bytes, Time: 44 ms. The 'Response' tab on the right shows the JSON response:

```
1 {
2   "message": "success",
3   "users": [
4     {
5       "_id": "6810f4b39f658d7dc93fd343",
6       "firstName": "Abhay",
7       "lastName": "Singh",
8       "email": "abhay@gmail.com",
9       "hobby": "Reading",
10      "__v": 0
11    },
12    {
13      "_id": "6810f4e29f658d7dc93fd345",
14      "firstName": "Ankit",
15      "lastName": "Rai",
16      "email": "ankit@gmail.com",
17      "hobby": "Cooking",
18      "__v": 0
19    },
20    {
21      "_id": "6810fb299f658d7dc93fd34d",
22      "firstName": "Rahul",
23      "lastName": "Tiwari",
24      "email": "rahul@gmail.com",
25      "hobby": "Football"
26    }
27  ]
28 }
```

3. GET /user/:id

The screenshot shows the Thunder Client interface. The top bar displays several tabs for different requests. The active tab is for a GET request to `http://localhost:3000/users/6810fb299f658d7dc93fd34d`. The left sidebar shows a list of requests, with the current one highlighted. The main panel is divided into two sections: the left section shows the request details, including the method (GET), URL, and a 'Send' button; the right section shows the response details, including the status (200 OK), size (172 Bytes), and time (39 ms). The response body is a JSON object:

```
1 {
2   "message": "User found successfully",
3   "user": {
4     "_id": "6810fb299f658d7dc93fd34d",
5     "firstName": "Rahul",
6     "lastName": "Tiwari",
7     "email": "rahul@gmail.com",
8     "hobby": "Football",
9     "__v": 0
10  }
11 }
```

4. PUT /user/:id

The screenshot shows the Thunder Client interface. The top bar displays several tabs for different requests. The active tab is for a PUT request to `http://localhost:3000/user/6810fb299f658d7dc93fd34d`. The left sidebar shows a list of requests, with the current one highlighted. The main panel is divided into two sections: the left section shows the request details, including the method (PUT), URL, and a 'Send' button; the right section shows the response details, including the status (200 OK), size (181 Bytes), and time (75 ms). The request body is a JSON object:

```
1 {
2   "firstName": "Rahul",
3   "lastName": "Trivedi",
4   "hobby": "Story telling2",
5   "email": "rahul@gmail.com"
6 }
```

The response body is a JSON object:

```
1 {
2   "message": "User updated successfully",
3   "user": {
4     "_id": "6810fb299f658d7dc93fd34d",
5     "firstName": "Rahul",
6     "lastName": "Trivedi",
7     "email": "rahul@gmail.com",
8     "hobby": "Story telling2",
9     "__v": 0
10  }
11 }
```

5. DELETE /user/:id

THUNDER CLIENT

DELETE http://localhost:3000/user/6810fb299f658d7dc93fd34d Send

Status: 200 OK Size: 188 Bytes Time: 44 ms

Response

```
1 {
2   "message": "User deleted successfully",
3   "deletedUser": {
4     "_id": "6810fb299f658d7dc93fd34d",
5     "firstName": "Rahul",
6     "lastName": "Trivedi",
7     "email": "rahul@gmail.com",
8     "hobby": "Story telling2",
9     "__v": 0
10  }
11 }
```

1. GET /users

DATABASES: 1 COLLECTIONS: 1

+ Create Database

Search Namespaces

test

users

test.users

STORAGE SIZE: 36KB LOGICAL DATA SIZE: 354B TOTAL DOCUMENTS: 3 INDEXES TOTAL SIZE: 72KB

Find Indexes Schema Anti-Patterns Aggregation Search Indexes

Generate queries from natural language in Compass

INSERT DOCUMENT

Filter Type a query: { field: 'value' } Reset Apply Options

QUERY RESULTS: 1-3 OF 3

```
{
  "_id": "ObjectId('6810f4b39f658d7dc93fd343')",
  "firstName": "Abhay",
  "lastName": "Singh",
  "email": "abhay@gmail.com",
  "hobby": "Reading",
  "__v": 0
}
```

```
{
  "_id": "ObjectId('6810f4e29f658d7dc93fd345')",
  "firstName": "Ankit",
  "lastName": "Rai",
  "email": "ankit@gmail.com",
  "hobby": "Cooking",
  "__v": 0
}
```

System Status: All Good

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2. GET /user/:id

+ Create Database

Q Search Namespaces

test

users

test.users

STORAGE SIZE: 36KB LOGICAL DATA SIZE: 471B TOTAL DOCUMENTS: 4 INDEXES TOTAL SIZE: 72KB

FindIndexesSchema Anti-Patterns ⓘAggregationSearch Indexes

Generate queries from natural language in Compass

INSERT DOCUMENT

Filter ⓘType a query: { field: 'value' }

ResetApplyOptions ▶

```
firstName : "Rahul"
lastName  : "Tiwari"
email     : "rahul@gmail.com"
hobby     : "Football"
__v       : 0
```

```
_id: ObjectId('681101559f658d7dc93fd357')
firstName : "Neha"
lastName  : "Pandey"
email     : "neha@gmail.com"
hobby     : "Reading"
__v       : 0
```

System Status: All Good

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3. POST /user

+ Create Database

Q Search Namespaces

test

users

test.users

STORAGE SIZE: 36KB LOGICAL DATA SIZE: 471B TOTAL DOCUMENTS: 4 INDEXES TOTAL SIZE: 72KB

FindIndexesSchema Anti-Patterns ⓘAggregationSearch Indexes

Generate queries from natural language in Compass

INSERT DOCUMENT

Filter ⓘType a query: { field: 'value' }

ResetApplyOptions ▶

```
_id: ObjectId('681100899f658d7dc93fd355')
firstName : "Rahul"
lastName  : "Tiwari"
email     : "rahul@gmail.com"
hobby     : "Football"
__v       : 0
```

```
_id: ObjectId('681101559f658d7dc93fd357')
firstName : "Neha"
lastName  : "Pandey"
email     : "neha@gmail.com"
hobby     : "Reading"
__v       : 0
```

System Status: All Good

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4. PUT /user/:id

+ Create Database

Q Search Namespaces

test

users

test.users

STORAGE SIZE: 34KB LOGICAL DATA SIZE: 477B TOTAL DOCUMENTS: 4 INDEXES TOTAL SIZE: 72KB

FindIndexesSchema Anti-Patterns ⓘAggregationSearch Indexes

Generate queries from natural language in Compass

INSERT DOCUMENT

Filter ⓘType a query: { field: 'value' }

ResetApplyOptions ▶

```
_id: ObjectId('6810f4b39f658d7dc93fd343')
firstName: "Abhay"
lastName: "Singh"
email: "abhay@gmail.com"
hobby: "Reading"
__v: 0
```

```
_id: ObjectId('6810f4e29f658d7dc93fd345')
firstName: "Aniket"
lastName: "Rathore"
email: "aniket@gmail.com"
hobby: "Dancing"
__v: 0
```

System Status: All Good

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5. DELETE /user/:id

ORGANIZATION
Shubhanshu's Org - 2...

PROJECT
User-API

CLUSTER
Cluster0 ▼

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+ Create Database

Q Search Namespaces

test

users

test.users

STORAGE SIZE: 34KB LOGICAL DATA SIZE: 355B TOTAL DOCUMENTS: 3 INDEXES TOTAL SIZE: 72KB

FindIndexesSchema Anti-Patterns ⓘAggregationSearch Indexes

Generate queries from natural language in Compass

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Filter ⓘType a query: { field: 'value' }

ResetApplyOptions ▶

QUERY RESULTS: 1-3 OF 3

```
_id: ObjectId('6810f4b39f658d7dc93fd343')
firstName: "Abhay"
lastName: "Singh"
email: "abhay@gmail.com"
hobby: "Reading"
__v: 0
```

```
_id: ObjectId('681100899f658d7dc93fd355')
firstName: "Rahul"
lastName: "Tiwar"
email: "rahul@gmail.com"
hobby: "Football"
__v: 0
```

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