

Example input for system functionalities and the corresponding outputs:

1. login:

The screenshot displays a REST client interface with a POST request to `http://localhost:3000/user/login`. The request body is a JSON object: `{"username": "hamza1", "password": "123456"}`. The response status is 200 OK, with a response time of 692 ms and a body size of 773 B. The response headers are listed below.

KEY	VALUE	DESCRIPTION
Access-Control-Expose-Headers	auth-token	
auth-token	eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6IjYyZmI2ZWVmZT...	
Content-Type	application/json; charset=utf-8	
Content-Length	127	
ETag	W/"7f-BKaHWDBGR34B/gvDYgBwP4T46kg"	
Date	Tue, 16 Aug 2022 17:31:12 GMT	

Below the response headers, the 'Headers' tab is active, showing a table with 9 headers. The first header is 'x-auth-token' with a value of 'eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6IjYyZmI2ZWVmZT...'. The table has columns for KEY, VALUE, and DESCRIPTION.

KEY	VALUE	DESCRIPTION
<input checked="" type="checkbox"/> x-auth-token	eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6IjYyZmI2ZWVmZT...	
Key	Value	Description

Attaching token to requests

2. Admin Routes:

The screenshot shows a REST client interface. The top bar indicates a POST request to `http://localhost:3000/Admin/CreateModerator`. The 'Body' tab is selected, showing a JSON payload: `{ "name": "Maya", "salary": 20000, "email": "maya@gmail.com", "gender": "Female", "username": "m1", "password": "123456" }`. The response section shows a 200 OK status with a response time of 702 ms and a body size of 476 B. The response body is displayed in a 'Pretty' JSON format:

```
{
  "msg": "Done"
}
```

```
__id: ObjectId('62fbd55809ae0886f4bb4fba')
name: "Maya"
type: "Moderator"
salary: 20000
email: "maya@gmail.com"
gender: "Female"
username: "m1"
password: "$2b$10$JZkMsSFkT08Ko9ZAfsB.MeznIjVi/jk4x/0MdJMABJg6HH6hPTx3."
__v: 0
```

Database after request

http://localhost:3000/Admin/CreateAdmin

Save

POST

http://localhost:3000/Admin/CreateAdmin

Send

Params

Authorization

Headers (9)

Body

Pre-request Script

Tests

Settings

Cookies

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

JSON

Beautify

1

```
{ "name": "Mayan", "salary": 20000, "email": "mayan@gmail.com", "gender": "Female", "username": "ma1", "password": "123456" }
```

Body

Cookies

Headers (11)

Test Results

200 OK

862 ms

476 B

Save Response

Pretty

Raw

Preview

Visualize

JSON

1

2

3

```
{ "msg": "Done" }
```

```
_id: ObjectId('62fbd5a709ae0886f4bb4fbe')
name: "Mayan"
type: "Admin"
salary: 20000
email: "mayan@gmail.com"
gender: "Female"
username: "ma1"
password: "$2b$10$/2IgH.D5crNjzveVLWEtLeKT/KOJDb9AAKamg/3ez2CSXLNa3ywQy"
__v: 0
```

Database after request

http://localhost:3000/Admin/ListModerators

Save



GET

http://localhost:3000/Admin/ListModerators

Send

Params Authorization Headers (7) Body Pre-request Script Tests Settings

Cookie

Body Cookies Headers (11) Test Results

200 OK 546 ms 2.95 KB

Save Response

Pretty

Raw

Preview

Visualize

JSON



```
130     "password": "123456",
131     "__v": 0
132   },
133   {
134     "_id": "62fb6eece4e0dd2d7883e9f8",
135     "name": "hamza2",
136     "type": "Moderator",
137     "salary": 15000,
138     "email": "hamza2",
139     "gender": "Male",
140     "username": "hamza2",
141     "password": "$2b$10$pz/ZsC3NWIi1nv9vwfJKk0Lrvx4ANGe95qEgSblv/PCuPsdg81b9q",
142     "__v": 0
143   },
144   {
145     "_id": "62fbd55809ae0886f4bb4fba",
146     "name": "Maya",
147     "type": "Moderator",
148     "salary": 20000,
149     "email": "maya@gmail.com",
150     "gender": "Female",
151     "username": "m1",
152     "password": "$2b$10$JZkMsSFkT08Ko9ZAfsB.MeznIjVi/jk4x/0MdJMABJg6HH6hPTx3.",
153     "__v": 0
154   }
155 ]
```

3. Admin and Moderators Routes/ User Routes:

http://localhost:3000/user/upload

POST http://localhost:3000/user/upload

Params Authorization Headers (9) **Body** Pre-request Script Tests Settings Cookies

none form-data x-www-form-urlencoded raw binary GraphQL

KEY	VALUE	DESCRIPTION
file	IMG_2265.jpeg	
Key	Value	Description

Body Cookies Headers (11) Test Results 200 OK 11.69 s 519 B Save Response

Pretty Raw Preview Visualize HTML

1 http://localhost:3000/file/1660671783997-any-name-IMG_2265.jpeg

ADD DATA VIEW

```
_id: ObjectId('62fbd72809ae0886f4bb4fc2')
length: 1963002
chunkSize: 261120
uploadDate: 2022-08-16T17:43:15.426+00:00
filename: "1660671783997-any-name-IMG_2265.jpeg"
contentType: "image/jpeg"
```

Database after request

POST http://localhost:3000/user/CreateMovie Send

Params Authorization Headers (9) Body Pre-request Script Tests Settings Cookies

none form-data x-www-form-urlencoded raw binary GraphQL JSON Beautify

```
1 {
2   "name": "Wonder", "showtime": "2022-08-20T11:27:43.141+00:00", "duration_in_minutes": 120, "pictureID":
3   "62fbd72809ae0886f4bb4fc2", "description": "A very nice movie"
}
```

Body Cookies Headers (11) Test Results 200 OK 761 ms 476 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "msg": "Done"
3 }
```

```
_id: ObjectId('62fbd78a09ae0886f4bb4fcd')
name: "Wonder"
id: 15
showtime: 2022-08-20T11:27:43.141+00:00
duration_in_minutes: 120
pictureID: ObjectId('62fbd72809ae0886f4bb4fc2')
addedby: ObjectId('62fb6eafe4e0dd2d7883e9f5')
createdAt: 2022-08-16T17:44:42.363+00:00
updatedAt: 2022-08-16T17:44:42.363+00:00
__v: 0
```

Database after request

4. Public Users Routes:

GET

http://localhost:3000/movies

Send

Params

Authorization

Headers (7)

Body

Pre-request Script

Tests

Settings

Cookies

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

JSON

1

Body

Cookies

Headers (11)

Test Results

200 OK

243 ms

4.2 KB

Save Response

Pretty

Raw

Preview

Visualize

JSON

```
148     "id": 14,
149     "showtime": "2022-08-16T12:27:43.141Z",
150     "duration_in_minutes": 120,
151     "pictureID": "62fbb999d408ae663013fce6",
152     "addedby": "62fb6eafe4e0dd2d7883e9f5",
153     "createdAt": "2022-08-16T16:28:17.233Z",
154     "updatedAt": "2022-08-16T16:28:17.233Z",
155     "__v": 0
156   },
157   {
158     "_id": "62fbd78a09ae0886f4bb4fcd",
159     "name": "Wonder",
160     "id": 15,
161     "showtime": "2022-08-20T11:27:43.141Z",
162     "duration_in_minutes": 120,
163     "pictureID": "62fbd72809ae0886f4bb4fc2",
164     "addedby": "62fb6eafe4e0dd2d7883e9f5",
165     "createdAt": "2022-08-16T17:44:42.363Z",
166     "updatedAt": "2022-08-16T17:44:42.363Z",
167     "__v": 0
168   }
169 ]
```

http://localhost:3000/movies

Save

GET http://localhost:3000/movies

Send

Params Authorization Headers (9) Body Pre-request Script Tests Settings

Cookies

none form-data x-www-form-urlencoded raw binary GraphQL JSON

Beautify

```
1 { "name": "Wonder" }
```

Body Cookies Headers (11) Test Results

200 OK 239 ms 751 B Save Response

Pretty

Raw

Preview

Visualize

JSON

```
1 [
2   {
3     "_id": "62fbd78a09ae0886f4bb4fcd",
4     "name": "Wonder",
5     "id": 15,
6     "showtime": "2022-08-20T11:27:43.141Z",
7     "duration_in_minutes": 120,
8     "pictureID": "62fbd72809ae0886f4bb4fc2",
9     "addedby": "62fb6eafe4e0dd2d7883e9f5",
10    "createdAt": "2022-08-16T17:44:42.363Z",
11    "updatedAt": "2022-08-16T17:44:42.363Z",
12    "__v": 0
13  }
14 ]
```

GET http://localhost:3000/movies

Send

Params Authorization Headers (9) Body Pre-request Script Tests Settings

Cookies

none form-data x-www-form-urlencoded raw binary GraphQL JSON

Beautify

```
1 { "name": "Wonder", "showtime1": "2022-08-19T11:27:43.141+00:00", "showtime2": "2022-08-18T11:27:43.141+00:00" }
```

Body Cookies Headers (11) Test Results

200 OK 243 ms 463 B Save Response

Pretty

Raw

Preview

Visualize

JSON

```
1 [ ]
```


GET

http://localhost:3000/movies

Send

Params

Authorization

Headers (9)

Body

Pre-request Script

Tests

Settings

Cookies

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

JSON

Beautify

1

```
{ "name": "Wonder", "showtime1": "2022-08-20T11:27:43.141+00:00", "showtime2": "2022-08-18T11:27:43.141+00:00" }
```

Body

Cookies

Headers (11)

Test Results

200 OK 243 ms 751 B

Save Response

Pretty

Raw

Preview

Visualize

JSON

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13

14

```
{
  "_id": "62fbd78a09ae0886f4bb4fcd",
  "name": "Wonder",
  "id": 15,
  "showtime": "2022-08-20T11:27:43.141Z",
  "duration_in_minutes": 120,
  "pictureID": "62fbd72809ae0886f4bb4fc2",
  "addedby": "62fb6eafe4e0dd2d7883e9f5",
  "createdAt": "2022-08-16T17:44:42.363Z",
  "updatedAt": "2022-08-16T17:44:42.363Z",
  "__v": 0
}
```

GET

http://localhost:3000/movies

ParamsAuthorizationHeaders (9)BodyPre-request ScriptTestsSettings

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

JSON

1{"orderByid":true}

BodyCookiesHeaders (11)Test Results

200 OK243 ms4.2 KB

Sav

PrettyRawPreviewVisualizeJSON

1

[

2

{

3

"_id": "62fbc47d81d5836a513fb76f",

4

"name": "Tangled",

5

"id": 4,

6

"showtime": "2022-08-16T12:27:43.141Z",

7

"duration_in_minutes": 120,

8

"pictureID": "62fbb999d408ae663013fce6",

9

"createdAt": "2022-08-16T16:23:25.850Z",

10

"updatedAt": "2022-08-16T16:23:25.850Z",

11

"__v": 0

12

},

13

{

14

"_id": "62fbc4bd81d5836a513fb776",

15

"name": "Tangled1",

16

"id": 5,

17

"showtime": "2022-08-16T12:27:43.141Z",

18

"duration_in_minutes": 120,

19

"pictureID": "62fbb999d408ae663013fce6",

20

"createdAt": "2022-08-16T16:24:29.569Z",

21

"updatedAt": "2022-08-16T16:24:29.569Z",

22

"__v": 0

GET

▼

http://localhost:3000/movies

Params

Authorization

Headers (9)

Body ●

Pre-request Script

Tests

Settings

● none

● form-data

● x-www-form-urlencoded

● raw

● binary

● GraphQL

JSON

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{ "orderBycreationdate": true }

Body

Cookies

Headers (11)

Test Results

Pretty

Raw

Preview

Visualize

JSON ▼

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{

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"_id": "62fbbf89be7cb928ab962e82",

4

"name": "Kira wel Gin 7",

5

"id": 7,

6

"showtime": "2022-08-18T11:27:43.141Z",

7

"duration_in_minutes": 120,

8

"pictureID": "62fbb999d408ae663013fce6",

9

"createdAt": "2022-08-16T16:02:17.413Z",

10

"updatedAt": "2022-08-16T16:02:17.413Z",

11

"__v": 0

12

},

13

{

14

"_id": "62fbbfb3be7cb928ab962e86",

15

"name": "Kira wel Gin 8",

16

"id": 8,

17

"showtime": "2022-08-18T11:27:43.141Z",

18

"duration_in_minutes": 120,

19

"pictureID": "62fbb999d408ae663013fce6",

20

"createdAt": "2022-08-16T16:02:59.842Z",

21

"updatedAt": "2022-08-16T16:02:59.842Z",

22

"__v": 0

GET

▼

http://localhost:3000/movies

Params

Authorization

Headers (9)

Body ●

Pre-request Script

Tests

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☐ none

☐ form-data

☐ x-www-form-urlencoded

☒ raw

☐ binary

☐ GraphQL

1

```
{ "orderByShowtime": true }
```

Body

Cookies

Headers (11)

Test Results

Pretty

Raw

Preview

Visualize

JSON ▼

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```
[
  {
    "_id": "62fbc47d81d5836a513fb76f",
    "name": "Tangled",
    "id": 4,
    "showtime": "2022-08-16T12:27:43.141Z",
    "duration_in_minutes": 120,
    "pictureID": "62fbb999d408ae663013fce6",
    "createdAt": "2022-08-16T16:23:25.850Z",
    "updatedAt": "2022-08-16T16:23:25.850Z",
    "__v": 0
  },
  {
    "_id": "62fbc4bd81d5836a513fb776",
    "name": "Tangled1",
    "id": 5,
    "showtime": "2022-08-16T12:27:43.141Z",
    "duration_in_minutes": 120,
    "pictureID": "62fbb999d408ae663013fce6",
    "createdAt": "2022-08-16T16:24:29.569Z",
    "updatedAt": "2022-08-16T16:24:29.569Z",
    "v": 0
  }
]
```

GET http://localhost:3000/movies/page=1

Params Authorization Headers (9) **Body** Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL JSON

1 {"orderByshowtime": true}

Body Cookies Headers (11) Test Results 200 OK 252 ms 1.67 Ki

Pretty Raw Preview Visualize JSON

```
1 [
2   {
3     "_id": "62fbc4c881d5836a513fb77b",
4     "name": "Tangled2",
5     "id": 6,
6     "showtime": "2022-08-16T12:27:43.141Z",
7     "duration_in_minutes": 120,
8     "pictureID": "62fbb999d408ae663013fce6",
9     "createdAt": "2022-08-16T16:24:40.760Z",
10    "updatedAt": "2022-08-16T16:24:40.760Z",
11    "__v": 0
12  },
13  {
14    "_id": "62fbc47d81d5836a513fb76f",
15    "name": "Tangled",
16    "id": 4,
17    "showtime": "2022-08-16T12:27:43.141Z",
18    "duration_in_minutes": 120,
19    "pictureID": "62fbb999d408ae663013fce6",
20    "createdAt": "2022-08-16T16:23:25.850Z",
21    "updatedAt": "2022-08-16T16:23:25.850Z",
22    "__v": 0
23  }
24 ]
```

GET http://localhost:3000/movies/page=4

Params Authorization Headers (9) **Body** Pre-reque

none form-data x-www-form-urlencoded raw

1 {"orderByshowtime": true}

Body Cookies Headers (11) Test Results

Pretty Raw Preview Visualize JSON

```
1 []
```