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TP9 Assignment

Git url: <https://github.com/LyhongPich/TP-Internet-Programming/tree/TP9>

Ex1: Mongoose

- Data in user.json:

```
{ } users.json > ...
1  [
2    {
3      "username": "cappuccino",
4      "firstname": "lyhong",
5      "lastname": "pich",
6      "email": "lyhong.pich@gmail.com",
7      "password": "123wall"
8    },
9    {
10     "username": "dexter",
11     "firstname": "neon",
12     "lastname": "lari",
13     "email": "neon@gmail.com",
14     "password": "12345"
15   },
16   {
17     "username": "admin",
18     "firstname": "Mr",
19     "lastname": "Big",
20     "email": "bigman@gmail.com",
21     "password": "123admin"
22   }
23 ]
```

- Data in database:

tp9users@localhost (2) - NoSQLBooster for MongoDB

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Connect Import Export Monitoring Tasks DataGen Schema Theme

Open Connections tp09 users@localhost tp09 users@localhost (3) tp09 users@localhost (4) tp09 users@localhost tp09 users@localhost (1) tp9:users@localhost (2)

localhost > admin > config > local > tp9 (2) > users (2) > users

```

1 db.users.find({})
2 .projection({})
3 .sort({_id:-1})
4 .limit(100)

```

users 0.032 s 3 Docs

| Key | Value | Type |
|-----------------------------|---|----------|
| (1) 6474c3ef656eb37fb2944f5 | { email: "bigman@gmail.com" } (9 fields) | Document |
| _id | 6474c3ef656eb37fb2944f5 | ObjectId |
| username | admin | String |
| firstname | Mr | String |
| lastname | Big | String |
| email | bigman@gmail.com | String |
| password | \$2a\$10\$/QFWoNNH-huuQVbdUjgLBceX3rtQ8NmpieNIY81SCAxFXQccQ8RV6 | String |
| createdAt | 5/29/2023, 10:25:35 PM - 3 minutes ago | Date |
| updatedAt | 5/29/2023, 10:25:35 PM - 3 minutes ago | Date |
| _v | 0 | Int32 |
| (2) 6474c3be656eb37fb2944f1 | { email: "neon@gmail.com" } (9 fields) | Document |
| (3) 6474c368656eb37fb2944ed | { email: "lyhong pich@gmail.com" } (9 fields) | Document |

My Queries Samples

My Queries (empty)
Press Ctrl+S to save the query here

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Ex2: Authentication with database

- Password encryption

tp9users@localhost (2) - NoSQLBooster for MongoDB

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Connect Import Export Monitoring Tasks DataGen Schema Theme

Open Connections tp09 users@localhost tp09 users@localhost (3) tp09 users@localhost (4) tp09 users@localhost tp09 users@localhost (1) tp9:users@localhost (2)

localhost > admin > config > local > tp9 (2) > users (2) > users

```

1 db.users.find({})
2 .projection({})
3 .sort({_id:-1})
4 .limit(100)

```

users 0.032 s 3 Docs

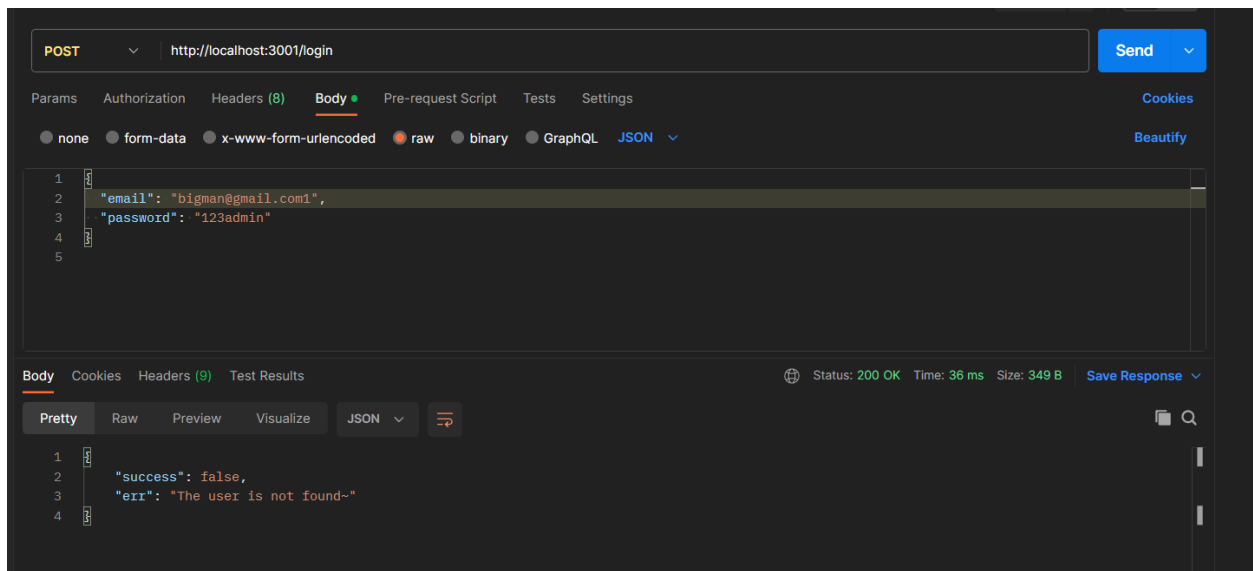
| Key | Value | Type |
|-----------------------------|---|----------|
| (1) 6474c3ef656eb37fb2944f5 | { email: "bigman@gmail.com" } (9 fields) | Document |
| _id | 6474c3ef656eb37fb2944f5 | ObjectId |
| username | admin | String |
| firstname | Mr | String |
| lastname | Big | String |
| email | bigman@gmail.com | String |
| password | \$2a\$10\$/QFWoNNH-huuQVbdUjgLBceX3rtQ8NmpieNIY81SCAxFXQccQ8RV6 | String |
| createdAt | 5/29/2023, 10:25:35 PM - 3 minutes ago | Date |
| updatedAt | 5/29/2023, 10:25:35 PM - 3 minutes ago | Date |
| _v | 0 | Int32 |
| (2) 6474c3be656eb37fb2944f1 | { email: "neon@gmail.com" } (9 fields) | Document |
| (3) 6474c368656eb37fb2944ed | { email: "lyhong pich@gmail.com" } (9 fields) | Document |

My Queries Samples

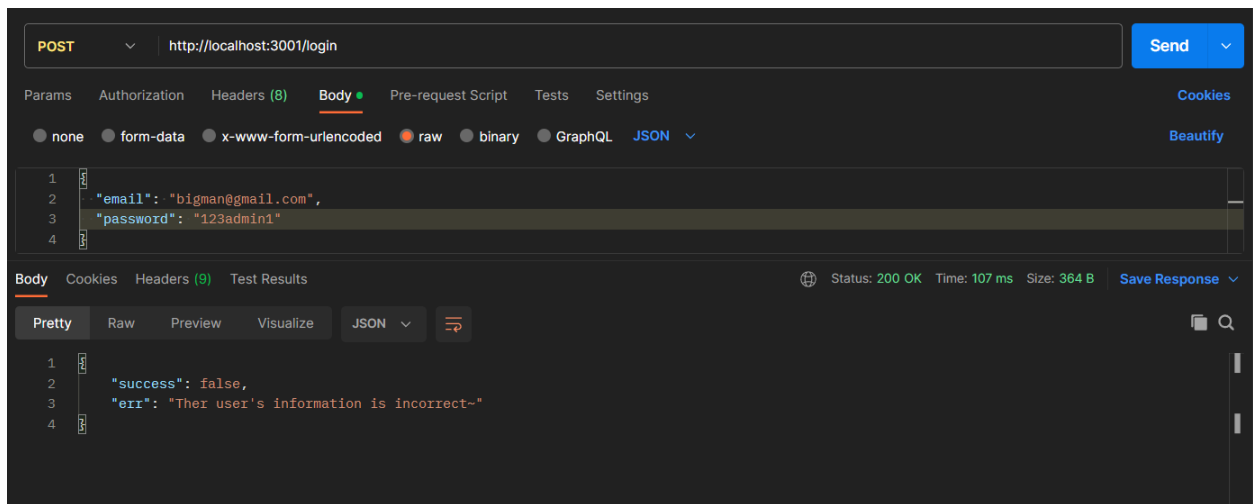
My Queries (empty)
Press Ctrl+S to save the query here

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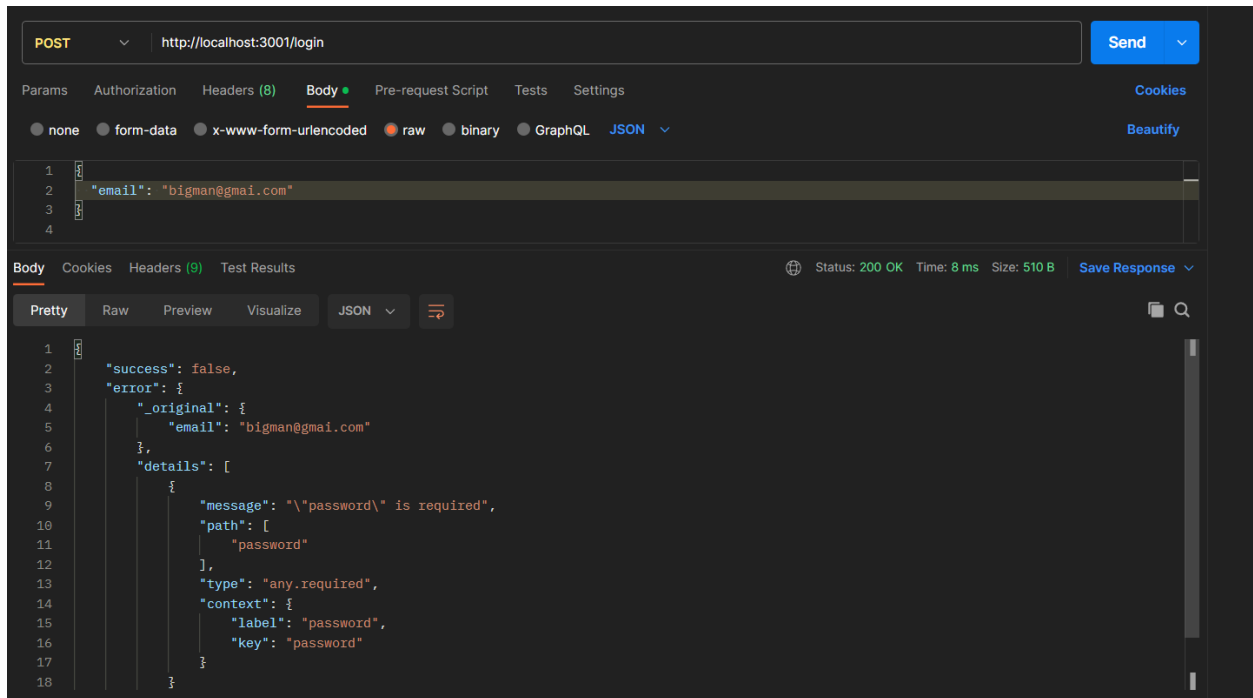
- Wrong username:



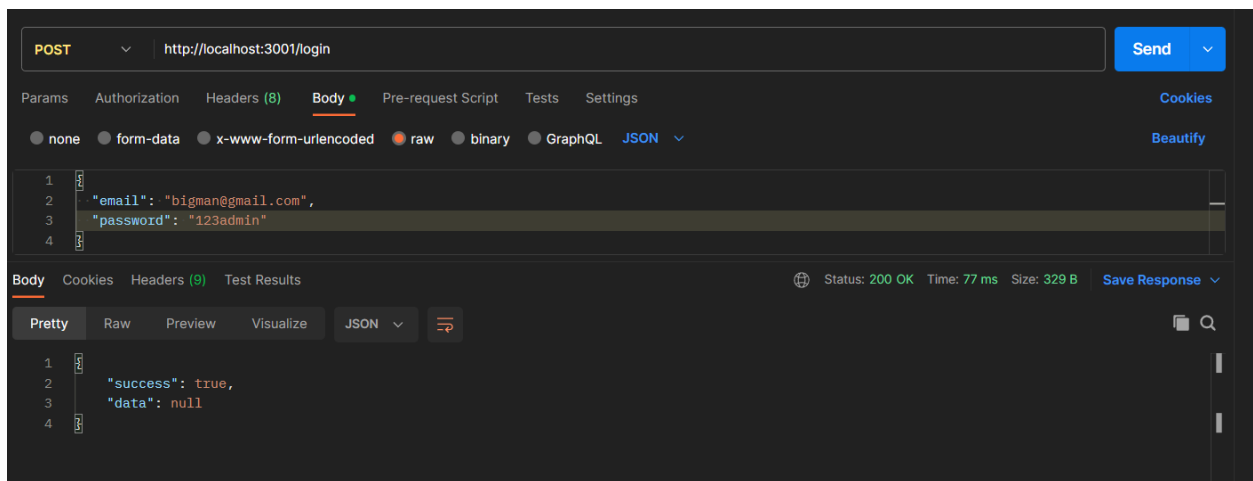
- Wrong Password:



- Password missing:

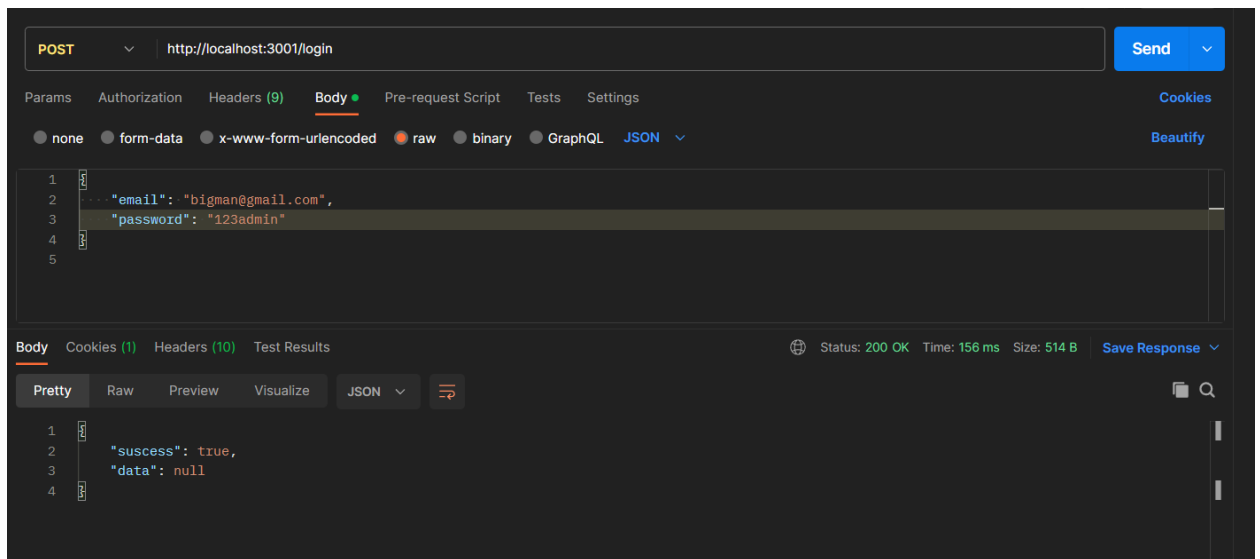


- Correct login:

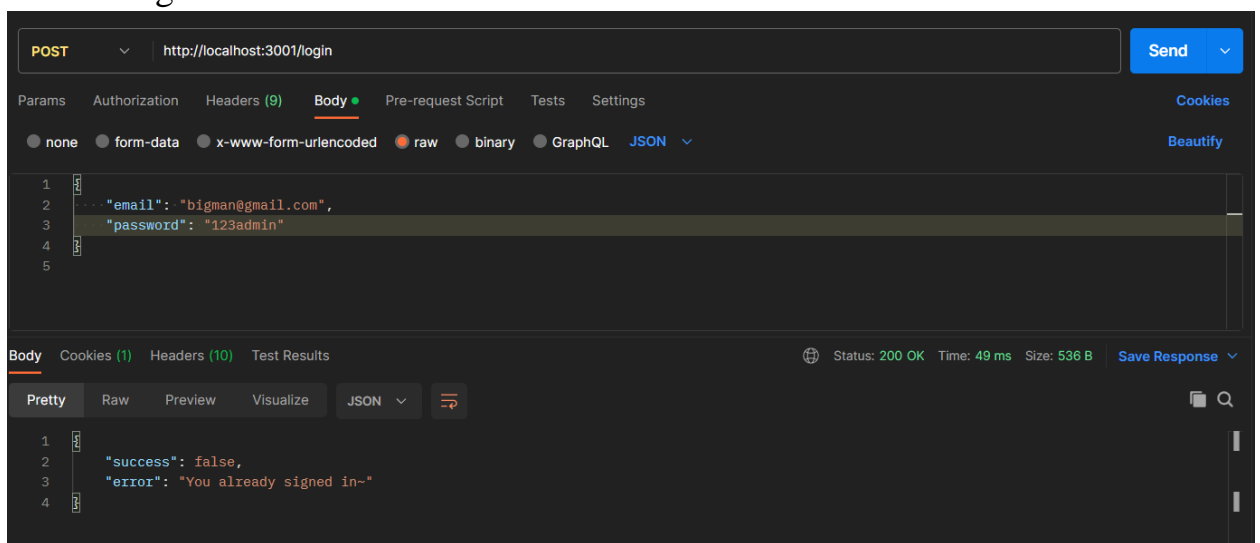


Ex3: Token and Cookie

1. Login
First Login:

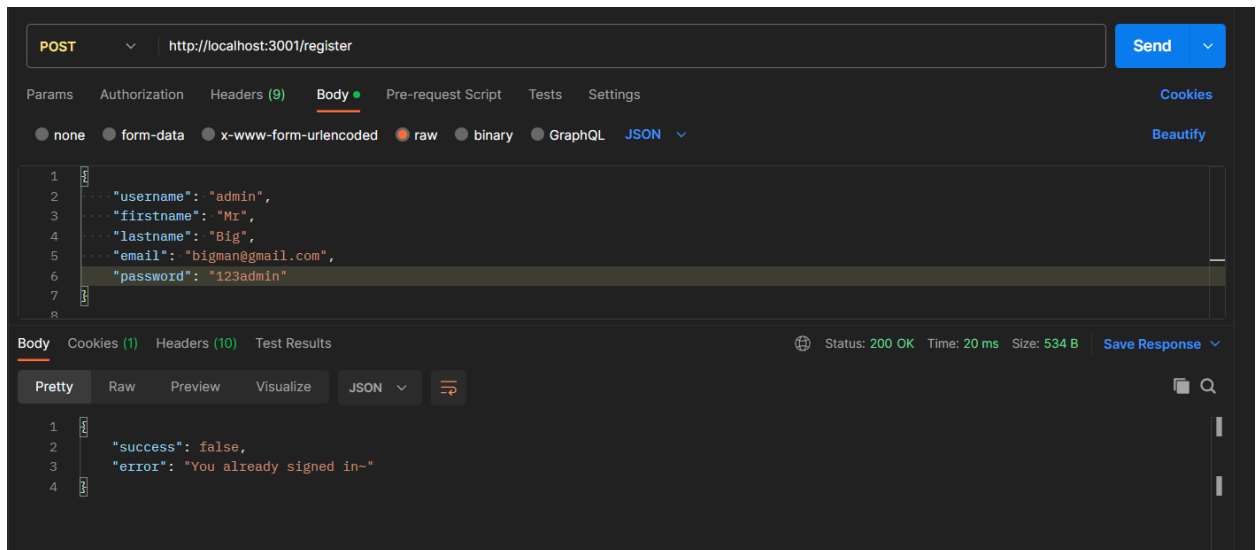


Second login:

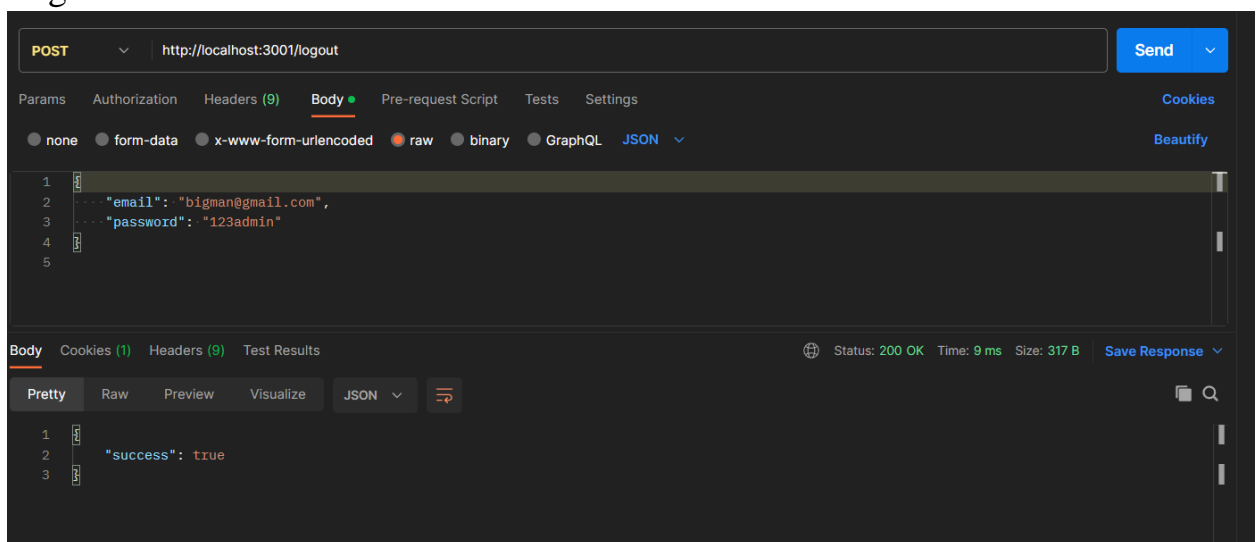


2. Register

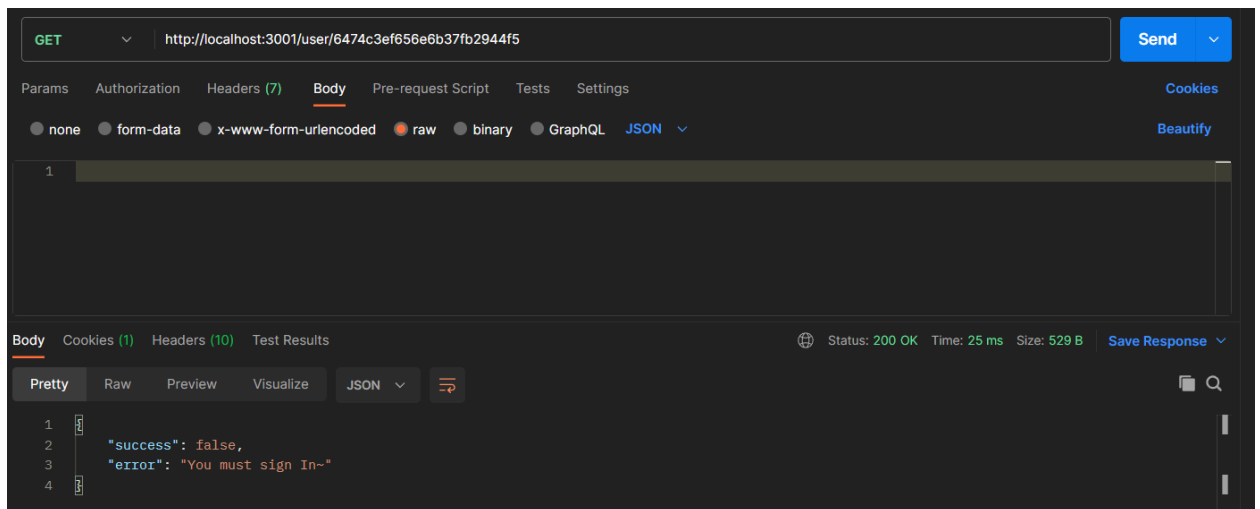
After sign out you cannot register new user



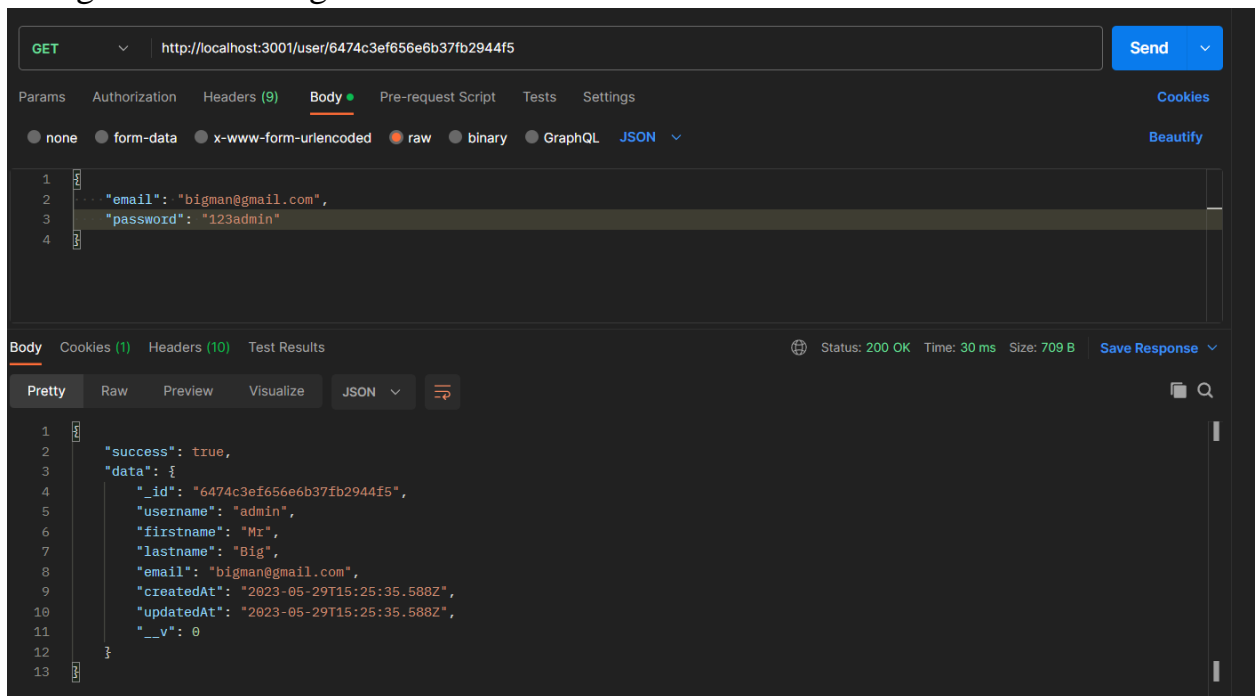
3. Get User Logout



Cannot get user by id when logout



Can get user after log in



4. Logout
First logout

POST http://localhost:3001/logout 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   "email": "bigman@gmail.com",
3   "password": "123admin"
4 }
```

Body Cookies (1) Headers (9) Test Results Status: 200 OK Time: 12 ms Size: 317 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "success": true
3 }
```

Second logout

POST http://localhost:3001/logout 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   "email": "bigman@gmail.com",
3   "password": "123admin"
4 }
```

Body Cookies (1) Headers (10) Test Results Status: 200 OK Time: 24 ms Size: 531 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "success": false,
3   "error": "You must sign In~"
4 }
```