

Capture your Postman screen to show that you logged out successfully

HTTP

VacQ / Aunthentication / login user

Save

Share

POST

{{URL}} /api/v1/auth/login

Send

Params

Auth

Headers (11)

Body

Scripts

Settings

Cookies

raw

JSON

Beautify

```
1 {
2   "email": "user3@gmail.com",
3   "password": "987654321"
4 }
```

Body

200 OK

150 ms

682 B

Save Response

JSON

Preview

Visualize

```
1 {
2   "success": true,
3   "token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6IjY3YmEwYzFhMzA5MDk2ZjNjMGYyZmM4ZCI6Im1hdCI6MTc0MDUxMTA0NiwiZXhwIjoxNzQzMDg2fQ.GuLqaAn-ELtTsKj67qZ7AhWaSVuS2cnGD_TudgF4LfQ"
4 }
```

Variables in request

All variables

Environment

URL

TOKEN

Collection

Globals

Vault

http://localhost:5000

http://localhost:5000

eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.

No variables defined in this collection. Add

No global variables in this workspace. Add

No vault secrets defined. Add secrets

HTTP

VacQ / Aunthentication / getme

Save

Share

GET

{{URL}} /api/v1/auth/me

Send

Params

Authorization

Headers (10)

Body

Scripts

Settings

Cookies

Auth Type

Bearer Token

Heads up! These parameters hold sensitive data. To keep this data secure while working in a collaborative environment,we recommend using variables. Learn more about variables.

The authorization header will be automatically generated when you send the request. Learn more about Bearer Token authorization.

Token

{{TOKEN}}

Body

200 OK

129 ms

396 B

Save Response

JSON

Preview

Visualize

```
1 {
2   "success": true,
3   "data": {
4     "_id": "67ba0c1a309096f3c0a2738d",
5     "name": "user3",
6     "email": "user3@gmail.com",
7     "role": "user",
8     "createdAt": "2025-02-22T17:40:42.374Z",
9     "__v": 0
10  }
11 }
```

Before

HTTP

VacQ / Aunthentication / logout

Save

Share

GET

{{URL}} /api/v1/auth/logout

Send

Params

Auth

Headers (9)

Body

Scripts

Settings

Cookies

Pre-req

Post-res

```
1 pm.environment.set("TOKEN",null)
```

Variables in request

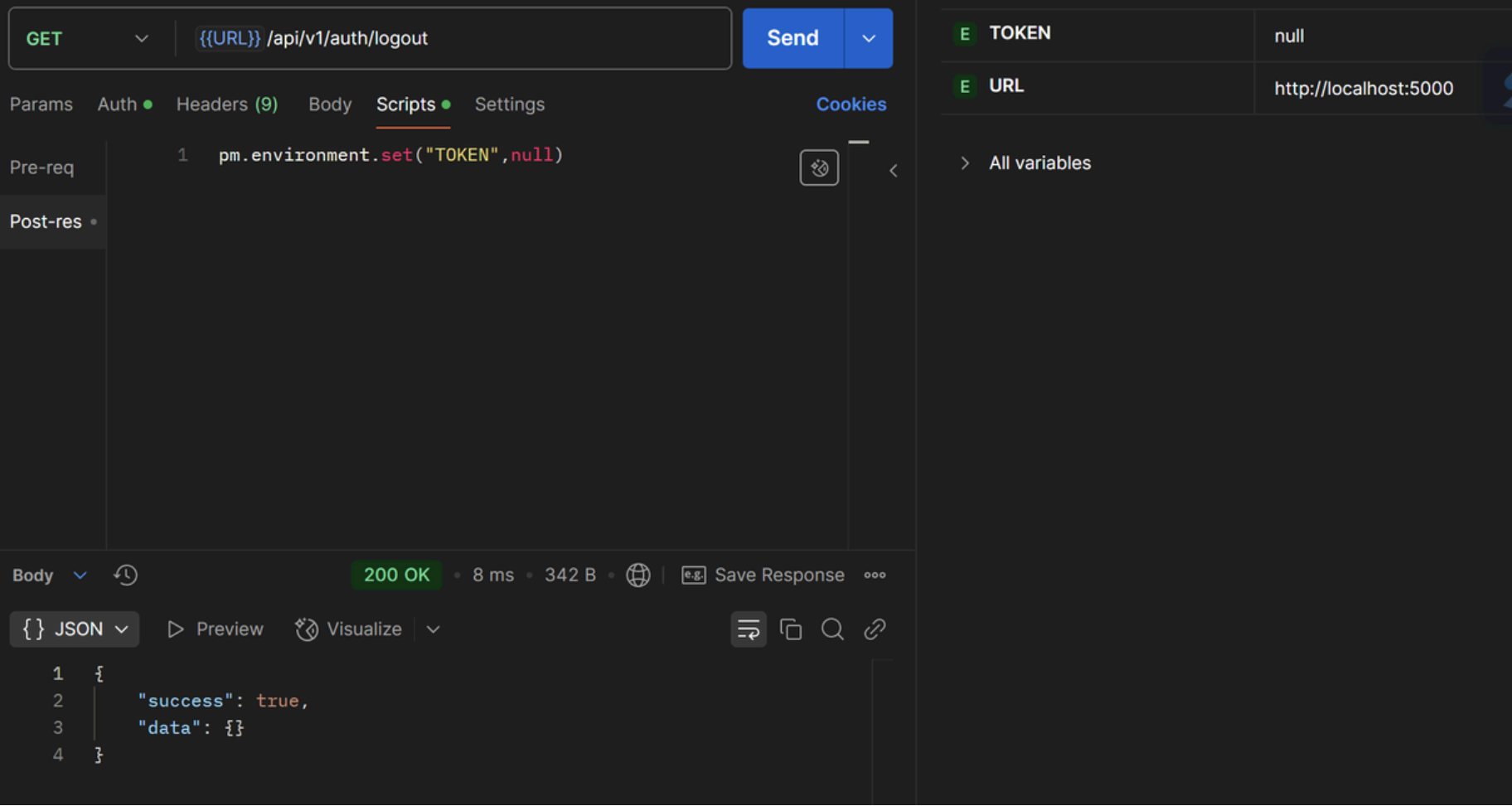
TOKEN

URL

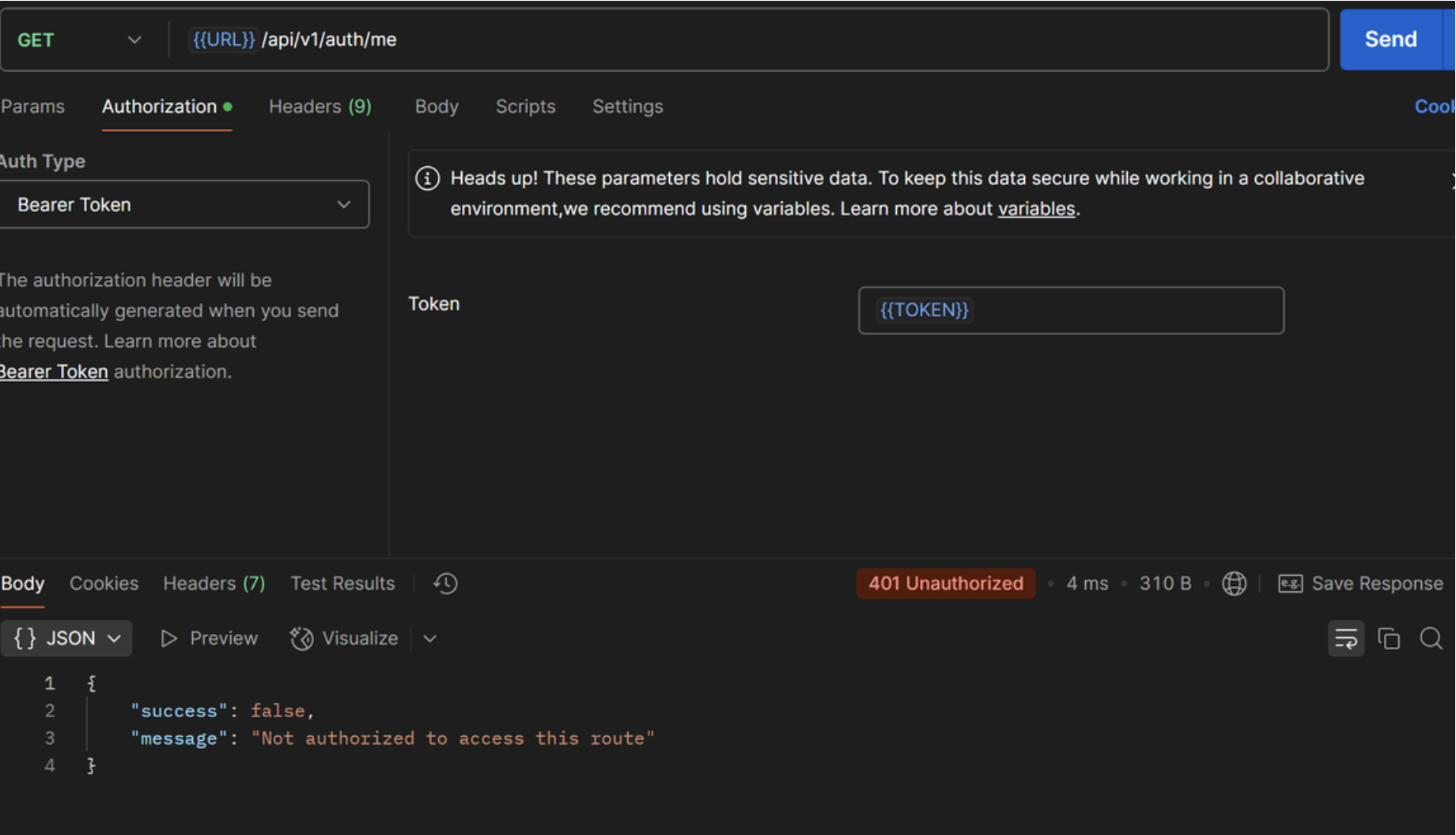
All variables

eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.

http://localhost:5000

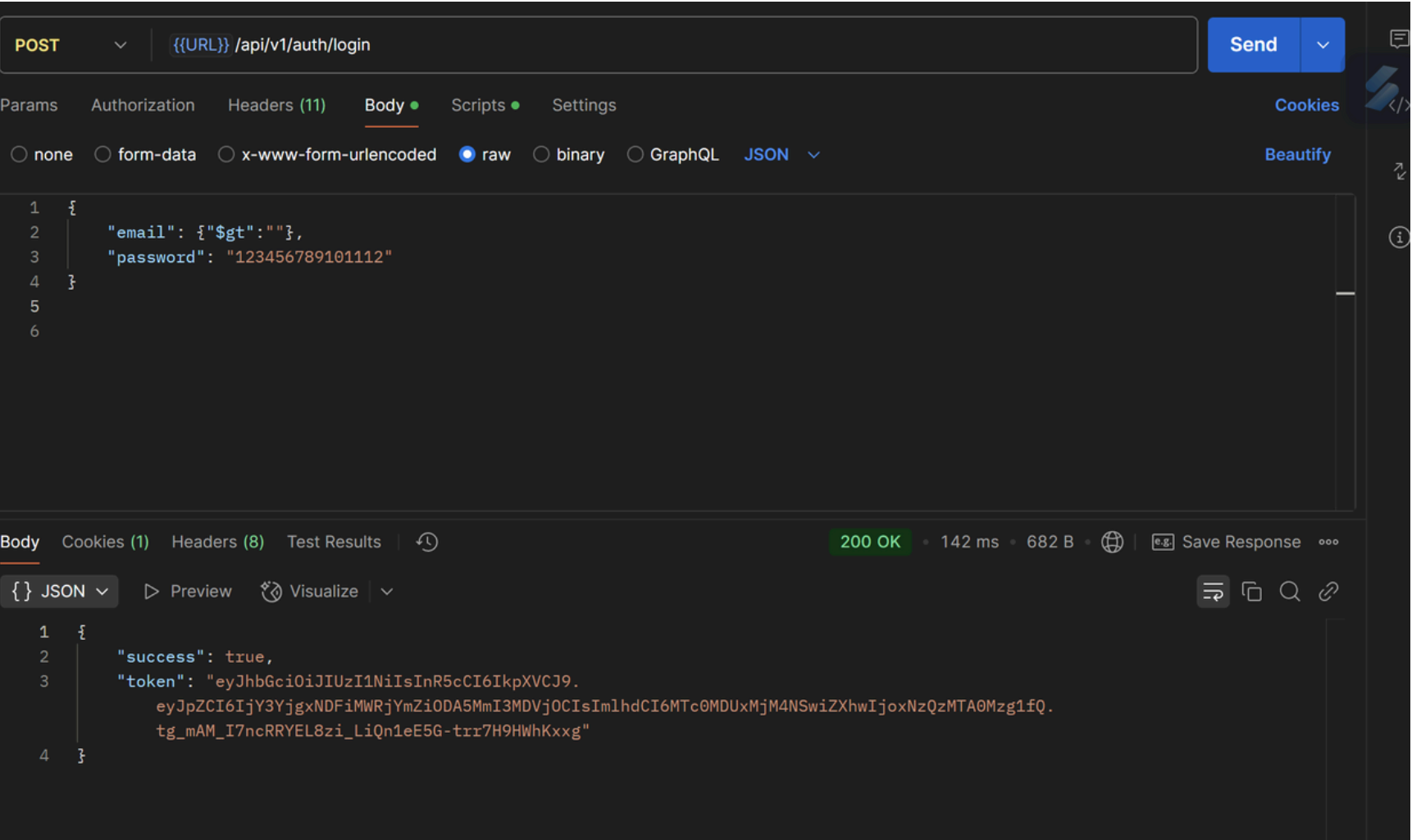


After

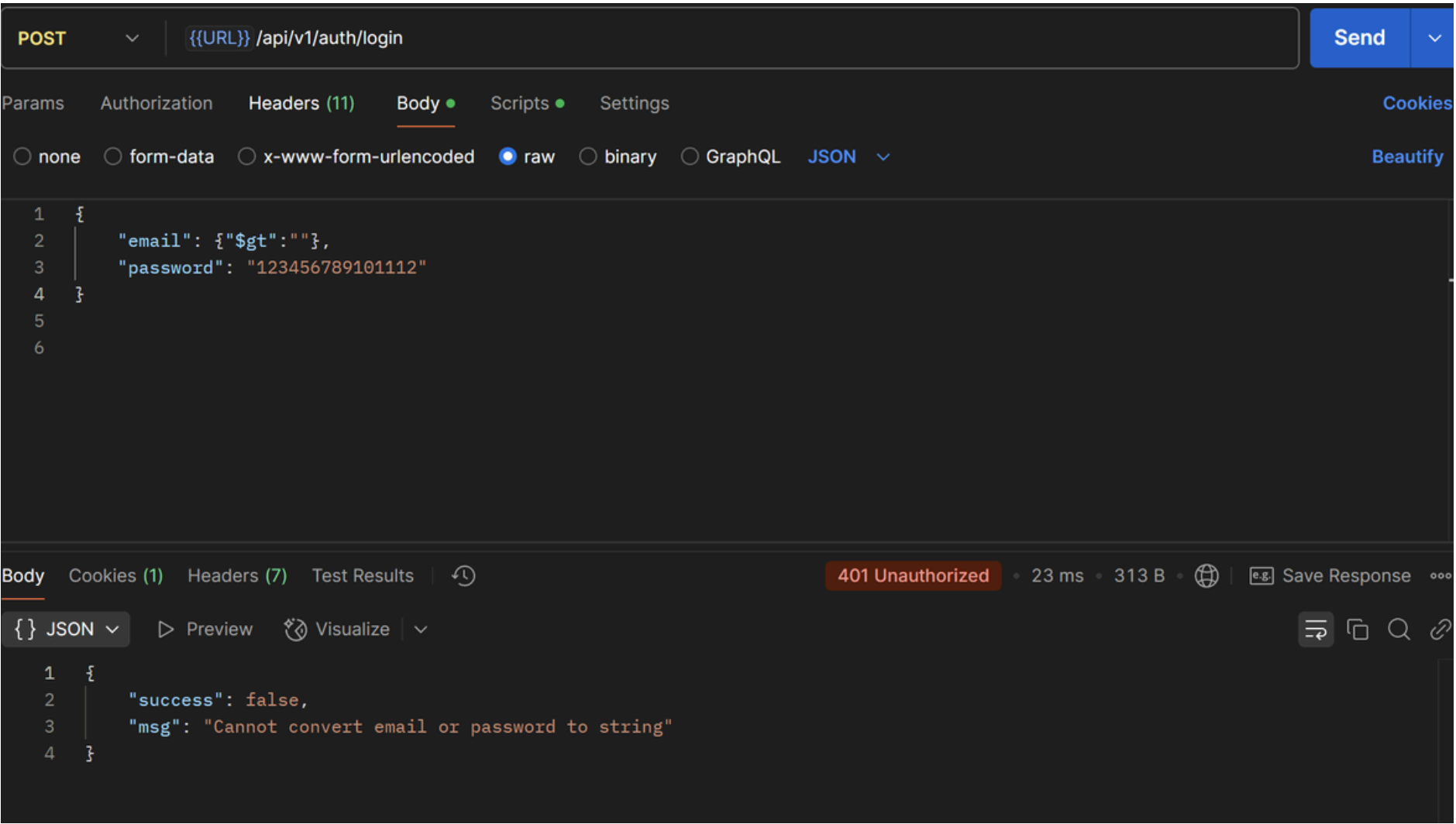


Capture your Postman screen to show that you prevent SQL injection successfully.

Before



After



Capture your Postman screen to show that you apply Helmet successfully.

Before

HTTP

VacQ / Hospital / Get All

More actions

GET{{URL}} /api/v1/hospitals

Params

Authorization

Headers (8)

Body

Scripts

Settings

Headers

Hide auto-generated headers

	Key	Value	Description
<input checked="" type="checkbox"/>	Cookie	token=eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ...	
<input checked="" type="checkbox"/>	Cache-Control	no-cache	
<input checked="" type="checkbox"/>	Postman-Token	<calculated when request is sent>	
<input checked="" type="checkbox"/>	Host	<calculated when request is sent>	
<input checked="" type="checkbox"/>	User-Agent	PostmanRuntime/7.43.0	
<input checked="" type="checkbox"/>	Accept	/*/*	
<input checked="" type="checkbox"/>	Accept-Encoding	gzip, deflate, br	
<input checked="" type="checkbox"/>	Connection	keep-alive	
	Key	Value	Description

Body

Cookies (1)

Headers (7)

Test Results

200 OK • 307 ms • 11.28 KB •

JSON

Preview

Visualize

66

"name": "โรงพยาบาลทั่วไปขนาดกลาง วิชัยเวช แยกไฟฉาย (ศรีวิชัย 1)",

67

"address": "240/1-7 ถนนจรัญสนิทวงศ์ แขวงบ้านช่างหล่อ",

68

"district": "บางกอกน้อย",

69

"province": "กรุงเทพมหานคร",

70

"postalcode": "10700",

71

"tel": "02-4120055",

72

"region": "กรุงเทพมหานคร (Bangkok)",

73

"appointments": [],

After

HTTP

VacQ / Hospital / Get All

Save

Share

GET

Send

{{URL}} /api/v1/hospitals

Params

Authorization

Headers (8)

Body

Scripts

Settings

Cookies

Headers

Hide auto-generated headers

	Key	Value	Description	Bulk Edit	Presets
<input checked="" type="checkbox"/>	Cookie	token=eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ...			
<input checked="" type="checkbox"/>	Cache-Control	no-cache			
<input checked="" type="checkbox"/>	Postman-Token	<calculated when request is sent>			
<input checked="" type="checkbox"/>	Host	<calculated when request is sent>			
<input checked="" type="checkbox"/>	User-Agent	PostmanRuntime/7.43.0			
<input checked="" type="checkbox"/>	Accept	/*/*			
<input checked="" type="checkbox"/>	Accept-Encoding	gzip, deflate, br			
<input checked="" type="checkbox"/>	Connection	keep-alive			
	Key	Value	Description		

Body

Cookies (1)

Headers (18)

Test Results

200 OK • 209 ms • 11.9 KB • Save Response

JSON

Preview

Visualize

66

"name": "โรงพยาบาลทั่วไปขนาดกลาง วิชัยเวช แยกไฟฉาย (ศรีวิชัย 1)",

67

"address": "240/1-7 ถนนจรัญสนิทวงศ์ แขวงบ้านช่างหล่อ",

68

"district": "บางกอกน้อย",

69

"province": "กรุงเทพมหานคร",

70

"postalcode": "10700",

71

"tel": "02-4120055",

72

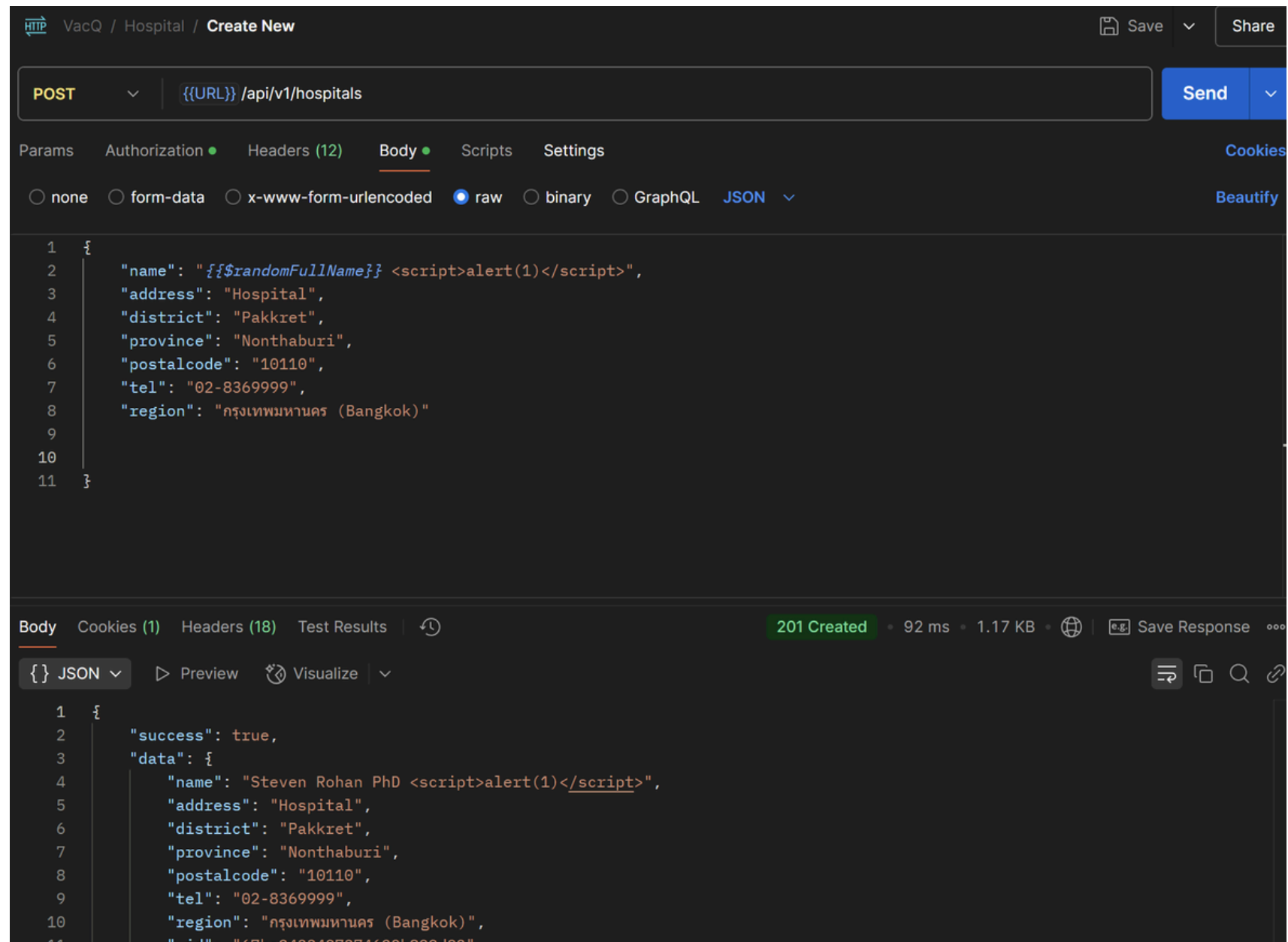
"region": "กรุงเทพมหานคร (Bangkok)",

73

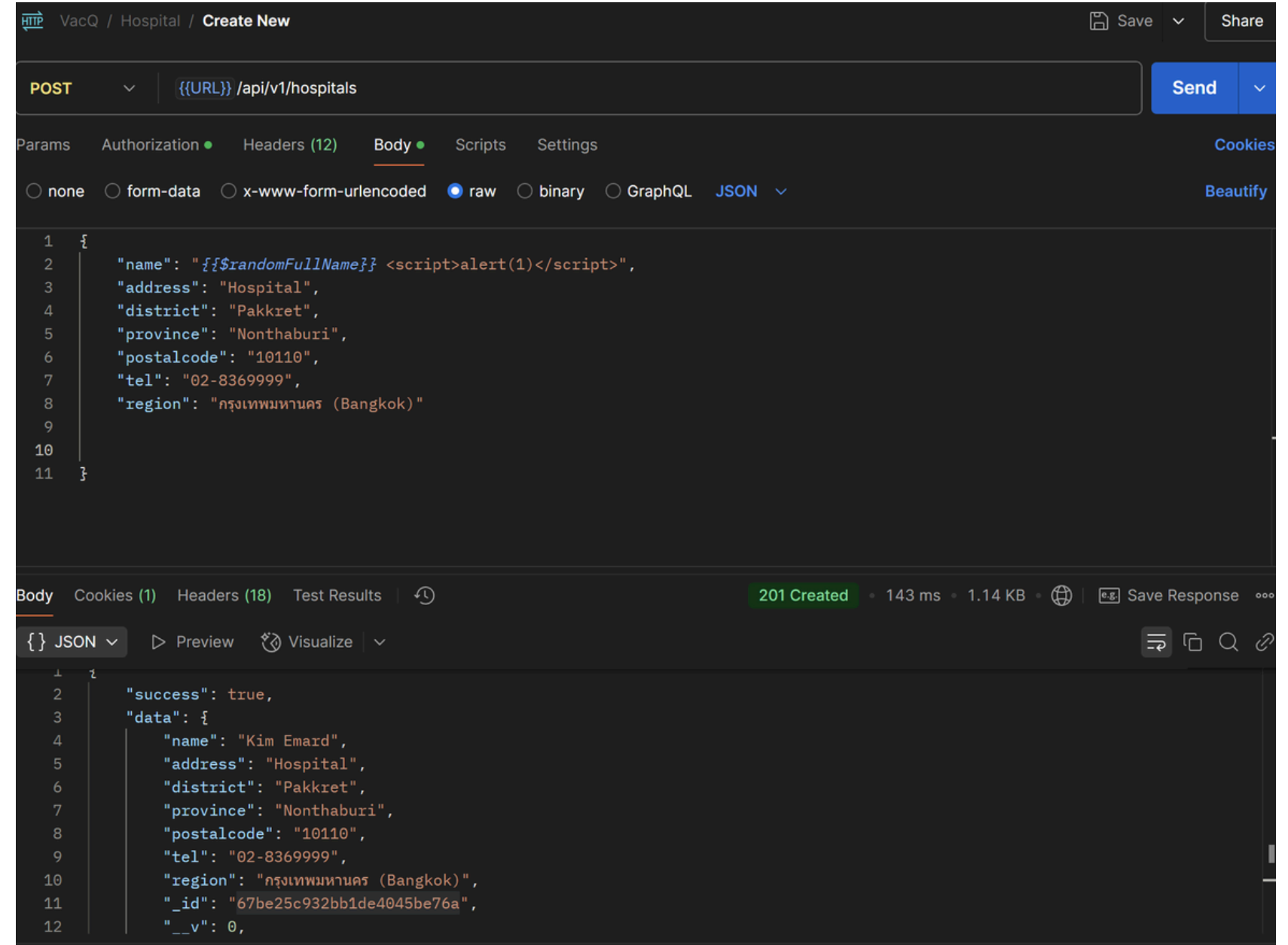
"appointments": [],

Capture your Postman screen to show that you prevent XSS successfully.

Before



After



Capture your Postman screen to show that you apply Express-rate-limit successfully.

Before

HTTP

VacQ / Hospital / **Get All**

Save

Share

GET

⌵

{{URL}} /api/v1/hospitals

Send

Params

Authorization

Headers (8)

Body

Scripts

Settings

Cookies

Query Params

	Key	Value	Description	⋮	Bulk Edit
	Key	Value	Description		

Current

Today, 3:28 AM	200
Today, 3:28 AM	200
Today, 3:28 AM	200
Today, 3:28 AM	200
Today, 3:28 AM	200
Today, 3:28 AM	200

Body

Cookies (1)

Headers (18)

Test Results

⌂

200 OK

• 421 ms • 11.9 KB •

🌐

📄 Save Response

{} JSON ⌵

▶ Preview

🔗 Visualize ⌵

⌵

```
1 {
2   "success": true,
3   "count": 25,
4   "pagination": {
5     "next": {
6       "page": 2,
7       "limit": 25
8     }
9   }
10 }
```

After

HTTP

VacQ / Hospital / **Get All**

Save

Share

GET

⌵

{{URL}} /api/v1/hospitals

Send

Params

Authorization

Headers (8)

Body

Scripts

Settings

Cookies

Query Params

	Key	Value	Description	⋮	Bulk Edit
	Key	Value	Description		

Current

Today, 3:30 AM	429
Today, 3:30 AM	200
Today, 3:28 AM	200
Today, 3:28 AM	200
Today, 3:28 AM	200
Today, 3:28 AM	200
Today, 3:28 AM	200

Body

Cookies (1)

Headers (22)

Test Results

⌂

429 Too Many Requests

• 4 ms • 1021 B •

🌐

📄 Save Response

🔗 HTML ⌵

▶ Preview

🔗 Visualize ⌵

⌵

```
1 Too many requests, please try again later.
```

[3 points] Capture your Api-docs screen to show that you add the following items:

- **Hospital tag**
- **get all hospitals**
- **get one hospital**
- **add one hospital**
- **update the hospital**
- **delete the hospital**

to your OpenAPI document successfully. An example is in Slide#33.

Library API

1.0.0

OAS 3.0

A simple Express VacQ API

Servers

http://localhost:5000/api/v1



Hospitals

The hospitals managing API



Schemas



Library API

1.0.0

OAS 3.0

A simple Express VacQ API


Servers

http://localhost:5000/api/v1

Hospitals

The hospitals managing API



GET	/hospitals	Returns the list of all the hospitals	 
POST	/hospitals	Create a new hospital	
GET	/hospitals/{id}	Get the hospital by ID	
PUT	/hospitals/{id}	Update the hospital by the id	
DELETE	/hospitals/{id}	Remove the hospital by id	

Schemas



Hospital	>
----------	---

Hospitals

The hospitals managing API



GET

/hospitals Returns the list of all the hospitals



Parameters

Cancel

No parameters

Execute

Responses

Code	Description	Links
200	The list of the hospitals	No links

Media type

application/json

Controls Accept header.

Example Value | Schema

```
[
  {
    "id": "609bda561452242d88d36e37",
    "ลำดับ": "121",
    "name": "Happy Hospital",
    "address": "121 ถ.สุขุมวิท",
    "district": "บางนา",
    "province": "กรุงเทพมหานคร",
    "postalcode": "10110",
    "tel": "02-2187000",
    "region": "กรุงเทพมหานคร (Bangkok)"
  }
]
```

POST

/hospitals

Create a new hospital

^

Parameters

Try it out

No parameters

Request body

required

application/json

▼

Example Value

Schema

```
{
  "id": "609bda561452242d88d36e37",
  "ลำต้น": "121",
  "name": "Happy Hospital",
  "address": "121 ถ.สุขุมวิท",
  "district": "บางนา",
  "province": "กรุงเทพมหานคร",
  "postalcode": "10110",
  "tel": "02-2187000",
  "region": "กรุงเทพมหานคร (Bangkok)"
}
```

Responses

Code	Description	Links
201	<div>The hospital was successfully created</div> <div><div>Media type</div><div>application/json</div><div>▼</div></div> <div>Controls Accept header.</div> <div><div>Example Value</div><div>Schema</div></div> <div><pre>{ "id": "609bda561452242d88d36e37", "ลำต้น": "121", "name": "Happy Hospital", "address": "121 ถ.สุขุมวิท", </pre></div>	No links

GET

/hospitals/{id}

Get the hospital by ID

^

Parameters

Try it out

Name	Description
<div><div>id</div><div><div>★ required</div></div></div> <div><div>string</div><div>(path)</div></div>	<div>The hospital ID</div> <div>id</div>

Responses

Code	Description	Links
200	<div>The hospital details by ID</div> <div>Media type</div> <div>application/json</div> <div>Controls Accept header.</div> <div>Example Value Schema</div> <div><pre>{ "id": "609bda561452242d88d36e37", "ลำดับ": "121", "name": "Happy Hospital", "address": "121 ถ.สุขุมวิท", "district": "นางนา", "province": "กรุงเทพมหานคร", "postalcode": "10110", "tel": "02-2187000", "region": "กรุงเทพมหานคร (Bangkok)"}</pre></div>	

 No links || 404 | The hospital was not found | No links |

PUT

/hospitals/{id}

Update the hospital by the id

^

Parameters

Try it out

Name	Description
<div><div>id</div><div><div>★ required</div></div></div> <div>The hospital id</div>	
<div>string</div> <div>(path)</div>	<div>id</div>

Request body

required

application/json

▼

Example Value

Schema

```
{  "id": "609bda561452242d88d36e37",  "ลำดับ": "121",  "name": "Happy Hospital",  "address": "121 ถ.สุขุมวิท",  "district": "บางนา",  "province": "กรุงเทพมหานคร",  "postalcode": "10110",  "tel": "02-2187000",  "region": "กรุงเทพมหานคร (Bangkok)"}
```

Responses

Code	Description	Links
200	<div>The hospital was updated</div> <div><div>Media type</div><div>application/json</div><div>▼</div></div> <div>Controls Accept header.</div> <div><div>Example Value</div><div>Schema</div></div>	No links

DELETE

/hospitals/{id}

Remove the hospital by id

^

Parameters

Try it out

Name	Description
<div><div>id * required</div><div>string</div><div>(path)</div></div>	<div>The hospital id</div> <div>id</div>

Responses

Code	Description	Links
200	The hospital was deleted	No links
404	The hospital was not found	No links

Capture your Api-docs screen to show that you add the server url to your OpenAPI document successfully. Also show that you can excute the get-all-hospitals API using your Api-Docs. An example is in Slide#35 and 37.

Library API

1.0.0OAS 3.0

A simple Express VacQ API

Servers

http://localhost:5000/api/v1

Hospitals

The hospitals managing API

GET

/hospitals

Returns the list of all the hospitals

POST

/hospitals

Create a new hospital

GET

/hospitals/{id}

Get the hospital by ID

PUT

/hospitals/{id}

Update the hospital by the id

DELETE

/hospitals/{id}

Remove the hospital by id

Schemas

Hospital

Swagger

Supported by SMARTBEAR

Library API

1.0.0OAS 3.0

A simple Express VacQ API

Servers

http://localhost:5000/api/v1

2110503.51to54anChapter13_OpenAworksheet: AssignSwagger-jsdoc ErrSwagger UI(2) Facebookดีไซน์ที่ไม่มีชื่อ - พริตตี้

localhost:5000/api-docs/#/Hospitals/get_hospitals

```
curl -X 'GET' \
  'http://localhost:5000/api/v1/hospitals' \
  -H 'accept: application/json'
```

Request URL

http://localhost:5000/api/v1/hospitals

Server response

CodeDetails

200

Response body

```
{
  "success": true,
  "count": 25,
  "pagination": {
    "next": {
      "page": 2,
      "limit": 25
    }
  },
  "data": [
    {
      "_id": "67b41bb887b0f0d16e67d4a6",
      "ลำดับ": 21,
      "name": "บางโพ",
      "address": "95 ก.พระราชามหารั สาม 2",
      "district": "บางซื่อ",
      "province": "กรุงเทพมหานคร",
      "postalcode": "10800",
      "tel": "02-5870136-55",
      "region": "กรุงเทพมหานคร (Bangkok)",
      "appointments": [],
      "id": "67b41bb887b0f0d16e67d4a6"
    },
    {
      "_id": "67b41bb887b0f0d16e67d4aa",
      "ลำดับ": 25,
      "name": "บางปะกอก 8",
      "address": "1055 ถนนแจ้งวัฒนะ แขวงบางเขน"
    }
  ]
}
```

Download

Response headers

```
access-control-allow-origin: *
connection: keep-alive
content-length: 11309
content-security-policy: default-src 'self';base-uri 'self';font-src 'self' https: data;;form-action 'self';frame-ancestors 'self';img-src 'self' data;;object-src 'none';script-src 'self';script-src-attr 'none';style-src 'self' https: 'unsafe-inline';upgrade-insecure-requests
content-type: application/json; charset=utf-8
cross-origin-opener-policy: same-origin
cross-origin-resource-policy: same-origin
date: Wed, 26 Feb 2025 06:47:49 GMT
etag: W/"2c2d-ySZGB8s5iFzND25t+zd03Rj/LIs"
keep-alive: timeout=5
origin-agent-cluster: ?1
```

31°C มีแดดบางส่วน

Search

13:51 26/2/2568