

## Spec Test:

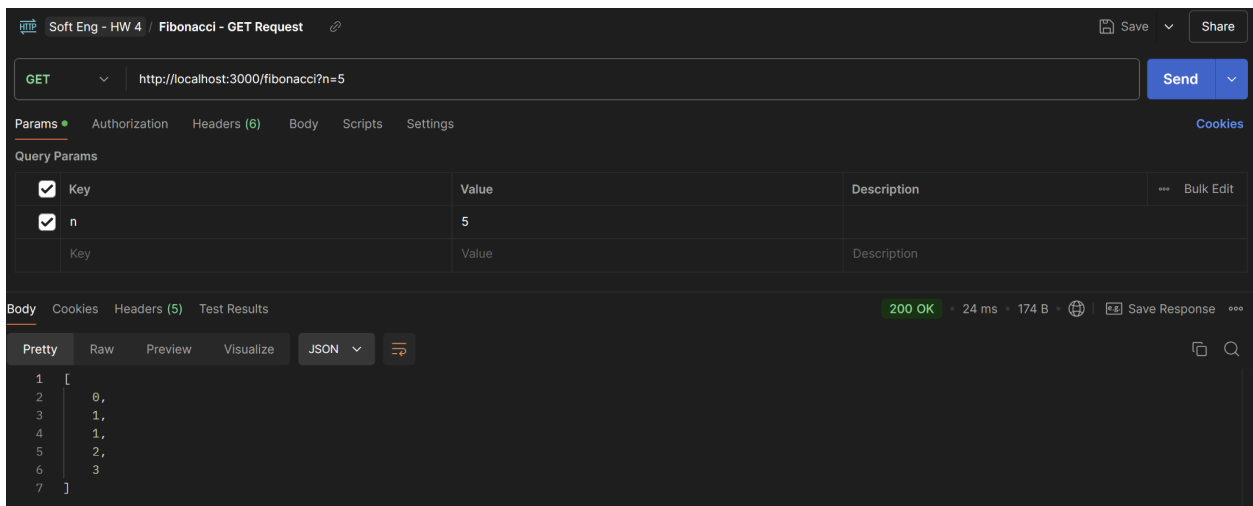
```
PS C:\Users\riritwi\OneDrive\Desktop\Coding Projects\soft_eng\hw4\spec\support> npm test

> simple-http-server@1.0.0 test
> jasmine

Started
Test server running on port 63601
Received POST request for /echo
Received GET request for /fibonacci?n=5
Handling GET request with n=5
Received GET request for /fibonacci?n=15
Handling GET request with n=15
Received GET request for /fibonacci?n=15
Handling GET request with n=15
Received GET request for /fibonacci?n=21
Handling GET request with n=21
Received POST request for /echo
Received POST request for /echo
Received PUT request for /fibonacci?n=5
Unsupported HTTP method
Received POST request for /echo
.

9 specs, 0 failures
Finished in 0.15 seconds
```

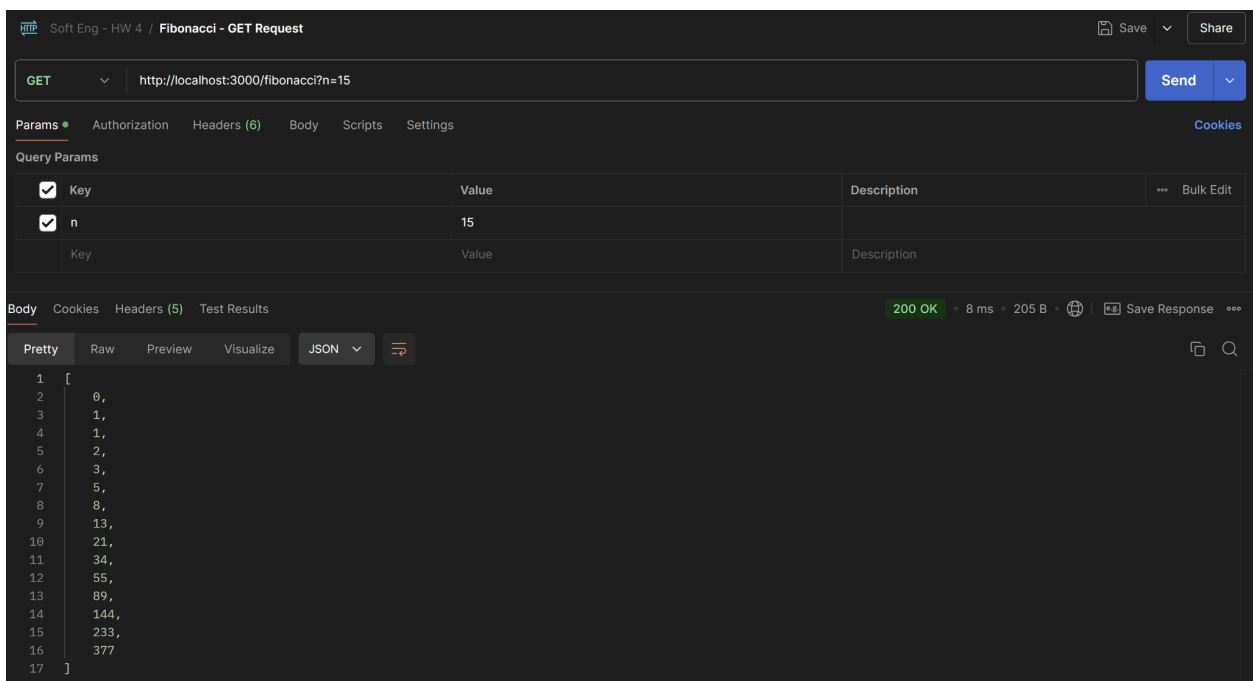
Postman Testing: (order of pictures is exactly as shown in the server terminal)



Postman interface showing a GET request to `http://localhost:3000/fibonacci?n=5`. The query parameter `n` is set to 5. The response is 200 OK, 24 ms, 174 B. The response body is a JSON array: `[0, 1, 1, 2, 3]`.

Key	Value	Description
n	5	

```
1 [
2   0,
3   1,
4   1,
5   2,
6   3
7 ]
```



Postman interface showing a GET request to `http://localhost:3000/fibonacci?n=15`. The query parameter `n` is set to 15. The response is 200 OK, 8 ms, 205 B. The response body is a JSON array: `[0, 1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89, 144, 233, 377]`.

Key	Value	Description
n	15	

```
1 [
2   0,
3   1,
4   1,
5   2,
6   3,
7   5,
8   8,
9   13,
10  21,
11  34,
12  55,
13  89,
14  144,
15  233,
16  377
17 ]
```

Soft Eng - HW 4 / Fibonacci - GET Request

SaveShare

GET

http://localhost:3000/fibonacci?n=21

Send

Params

Authorization

Headers (6)

Body

Scripts

Settings

Cookies

Query Params

<input checked="" type="checkbox"/>	Key	Value	Description	Bulk Edit
<input checked="" type="checkbox"/>	n	21		
	Key	Value	Description	

Body

Cookies

Headers (5)

Test Results

400 Bad Request

8 ms

210 B

Save Response

Pretty

Raw

Preview

Visualize

Text

1

400 Not Implemented

2

N must be less than 20.

Soft Eng - HW 4 / Fibonacci - GET Request

SaveShare

GET

http://localhost:3000/fibonacci?n=15

Send

Params

Authorization

Headers (6)

Body

Scripts

Settings

Cookies

Query Params

<input checked="" type="checkbox"/>	Key	Value	Description	Bulk Edit
<input checked="" type="checkbox"/>	n	15		
	Key	Value	Description	

Body

Cookies

Headers (5)

Test Results

503 Service Unavailable

59 ms

260 B

Save Response

Pretty

Raw

Preview

Visualize

Text

1

503 Not Implemented

2

Service Unavailable: N should be 10 or less for repeated requests

Soft Eng - HW 4 / JSON Type - POST Request

SaveShare

POST

http://localhost:3000/echo

Send

Params

Authorization

Headers (9)

Body

Scripts

Settings

Cookies

Headers

8 hidden

	Key	Value	Description	Bulk Edit	Presets
<input checked="" type="checkbox"/>	Content-Type	application/json			
	Key	Value	Description		

Body

Cookies

Headers (5)

Test Results

200 OK

10 ms

219 B

Save Response

Pretty

Raw

Preview

Visualize

JSON

1

{

2

"message": "Hello, World!",

3

"value": 42,

4

"items": [

5

1,

6

2,

7

3,

8

4

9

]

10

}

Soft Eng - HW 4 / **Unsupported HTTP Methods - PUT Request** Save Share

PUT ▼ http://localhost:3000/echo Send ▼

Params Authorization Headers (9) **Body** • Scripts Settings Cookies

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

```
1 {
2   |   *test*: "This is a test"
3 }
```

Body Cookies Headers (5) Test Results 501 Not Implemented 8 ms 214 B 🌐 Save Response ⋮

Pretty Raw Preview Visualize **Text** ▼ 🔍

```
1 501 Not Implemented
2 Operation not supported
```

Soft Eng - HW 4 / **Unsupported Content-Type - POST Method** Save Share

POST ▼ http://localhost:3000/echo Send ▼

Params Authorization **Headers (9)** **Body** • Scripts Settings Cookies

Headers ↔ 8 hidden

	Key	Value	Description	⋮	Bulk Edit	Presets <span>▼</span>
<input checked="" type="checkbox"/>	Content-Type	text/plain				
	Key	Value	Description			

Body Cookies Headers (5) Test Results 415 Unsupported Media Type 5 ms 252 B 🌐 Save Response ⋮

Pretty Raw Preview Visualize **Text** ▼ 🔍

```
1 415 Not Implemented
2 Unsupported Content-Type. Please use application/json.
```

```
PS C:\Users\ritwi\OneDrive\Desktop\Coding Projects\soft_eng\hw4> node hw4.js
Server listening on port 3000
Received GET request for /fibonacci?n=5
Handling GET request with n=5
Received GET request for /fibonacci?n=15
Handling GET request with n=15
Received GET request for /fibonacci?n=21
Handling GET request with n=21
Received GET request for /fibonacci?n=15
Handling GET request with n=15
Received POST request for /echo
Received PUT request for /echo
Unsupported HTTP method
Received POST request for /echo
```