

Response time:

API	Time response with cache	Time response without cache
info	1.4118ms	51.5134ms
search	0.2767ms	97.3080ms
purchase	Here just check if item is out of stock or not found Item not found: 0.2658ms Item out of stock: 0.275199ms	54.53ms Item not found: 10.139679ms Item out of stock: 6.777005ms

API info:

Time calculation without cache:

GET http://localhost:8000/info/1

Params Authorization Headers (6) Body Pre-request Script Tests Settings

Query Params

Key	Value	Description	...
Key	Value	Description	

Body Cookies Headers (7) Test Results

Status: 200 OK Time: 105 ms Size: 360 B Save as ex

Pretty Raw Preview Visualize JSON


```
1 [
2   {
3     "id": 1,
4     "title": "How to get a good grade in DOS in",
5     "quantity": 0,
6     "price": 50,
7     "type": "distributed systems"
8   }
9 ]
```

EVENT TIME

Prepare	183.53 ms
Socket Initialization	4.23 ms
DNS Lookup	2.01 ms
TCP Handshake	1.52 ms
Transfer Start	88.94 ms
Download	7.51 ms
Process	0.52 ms
Total	288.23 ms

frontend-container

<



[dos_lab2-frontend-server](#)

43428b62fcf0

[8000:8000](#)

Logs

Inspect

Bind mounts

Exec

Files

Stats

2024-01-10 13:03:15

2024-01-10 13:03:15 > testing@1.0.0 start-dev /app

2024-01-10 13:03:15 > nodemon src/frontend-server.js

2024-01-10 13:03:15

2024-01-10 13:03:15 [nodemon] 3.0.2

2024-01-10 13:03:15 [nodemon] to restart at any time, enter `rs`

2024-01-10 13:03:15 [nodemon] watching path(s): *.*

2024-01-10 13:03:15 [nodemon] watching extensions: js,mjs,cjs,json

2024-01-10 13:03:15 [nodemon] starting `node src/frontend-server.js`

2024-01-10 13:03:16 Server is running on port 8000

2024-01-10 13:04:02 Server port: 8001

2024-01-10 13:04:02 Time taken From server: 0s 51.513466ms

Time calculation with cache:

GET

http://localhost:8000/info/1

Search

Params

Authorization

Headers (6)

Body

Pre-request Script

Tests

Settings

Query Params

Key	Value	Description	...
Key	Value	Description	

Body

Cookies

Headers (7)

Test Results

Status: 200 OK

Time: 74 ms

Size: 360 B

Save as ex

Pretty

Raw

Preview

Visualize

JSON

1

2

3

4

5

6

7

8

9

[

{

"id": 1,

"title": "How to get a good grade in DOS in

"quantity": 0,

"price": 50,

"type": "distributed systems"

}

]

EVENT

TIME

Prepare

12.65 ms

Socket Initialization

2.92 ms

DNS Lookup

11.3 ms

TCP Handshake

2.55 ms

Transfer Start

52.54 ms

Download

3.9 ms

Process

0.21 ms

Total

86.05 ms

2024-01-10 13:04:02 Server port: 8001

2024-01-10 13:04:02 Time taken From server: 0s 51.513466ms

2024-01-10 13:06:12 Data found in cache for item ID 1

2024-01-10 13:06:12 Time taken From cache: 0s 1.4118ms

Api Search:

Time calculation without cache:

GET http://localhost:8000/search/distributed systems

Params Authorization Headers (6) Body Pre-request Script Tests Settings

Query Params

	Key	Value	Description	...
	Key	Value	Description	

Body Cookies Headers (7) Test Results

Status: 200 OK Time: 109 ms Size: 443 B Save as ex

Pretty Raw Preview Visualize JSON

```
1 [
2   {
3     "id": 1,
4     "title": "How to get a good grade in DOS in
5   },
6   {
7     "id": 2,
8     "title": "RPCs for Noobs"
9   },
10  {
11    "id": 5,
12    "title": "How to finish Project 3 on time"
13  },
14  {
15    "id": 6,
16    "title": "Why theory classes are so hard."
17  }
18 ]
```

EVENT TIME

Prepare	8.16 ms
Socket Initialization	1.28 ms
DNS Lookup	1.14 ms
TCP Handshake	2.01 ms
Transfer Start	102.71 ms
Download	1.64 ms
Process	0.09 ms
Total	117.01 ms

Time calculation with cache:

GET http://localhost:8000/search/distributed systems

Params Authorization Headers (6) Body Pre-request Script Tests Settings

Query Params

	Key	Value	Description	...
	Key	Value	Description	

Body Cookies Headers (7) Test Results

Status: 200 OK Time: 14 ms Size: 443 B Save as exa

Pretty Raw Preview Visualize JSON

```
1 [
2   {
3     "id": 1,
4     "title": "How to get a good grade in DOS in
5   },
6   {
7     "id": 2,
8     "title": "RPCs for Noobs"
9   },
10  {
11    "id": 5,
12    "title": "How to finish Project 3 on time"
13  },
14  {
15    "id": 6,
16    "title": "Why theory classes are so hard."
17  }
18 ]
```

EVENT TIME

Prepare	7.47 ms
Socket Initialization	0.92 ms
DNS Lookup	0.53 ms
TCP Handshake	0.77 ms
Transfer Start	10.07 ms
Download	1.5 ms
Process	0.09 ms
Total	21.3 ms

```
2024-01-10 13:09:40 Server port: 7001
2024-01-10 13:09:40 Time taken From server: 0s 97.308035ms
2024-01-10 13:10:46 Data found in cache for query distributed systems
2024-01-10 13:10:46 Time taken From cache: 0s 0.276704ms
```

API purchase:

POST

http://localhost:8000/purchase/3

Send

ParamsAuthHeaders (7)BodyPre-req. TestsSettingsCookie

Query Params

	Key	Value	Description	...	Bulk Edit
--	-----	-------	-------------	-----	-----------

Body

200 OK50 ms325 BSave as example

PrettyRawPreviewVisualize

1{

2"message": "Bought book successfully"

3}

EVENT

Prepare4.74 ms

Socket Initialization1.2 ms

DNS Lookup1.06 ms

TCP Handshake0.81 ms

Transfer Start45.68 ms

Download1.01 ms

Process0.06 ms

Total54.53 ms

Time calculation with cache: (Item out of stock)

```
2024-01-10 13:57:27 Item ID 6 is out of stock (cached)
2024-01-10 13:57:27 Time taken From cache: 0s 0.275199ms
```

Time calculation with cache: (Item not found)

```
2024-01-10 14:13:55 Item ID 9 not found (cached)
2024-01-10 14:13:55 Time taken From cache: 0s 0.2658ms
```

Time calculation without cache: (Item not found)

```
2024-01-10 13:59:27 9
2024-01-10 13:59:27 Time taken From server: 0s 10.139679ms
```

Time calculation without cache: (Item out of stock)

```
2024-01-10 13:57:13 [  
2024-01-10 13:57:13   {  
2024-01-10 13:57:13     id: 6,  
2024-01-10 13:57:13     title: 'Why theory classes are so hard.',  
2024-01-10 13:57:13     quantity: 0,  
2024-01-10 13:57:13     price: 10,  
2024-01-10 13:57:13     type: 'distributed systems'  
2024-01-10 13:57:13   }  
2024-01-10 13:57:13 ]  
2024-01-10 13:57:13 Time taken From server: 0s 6.777005ms
```