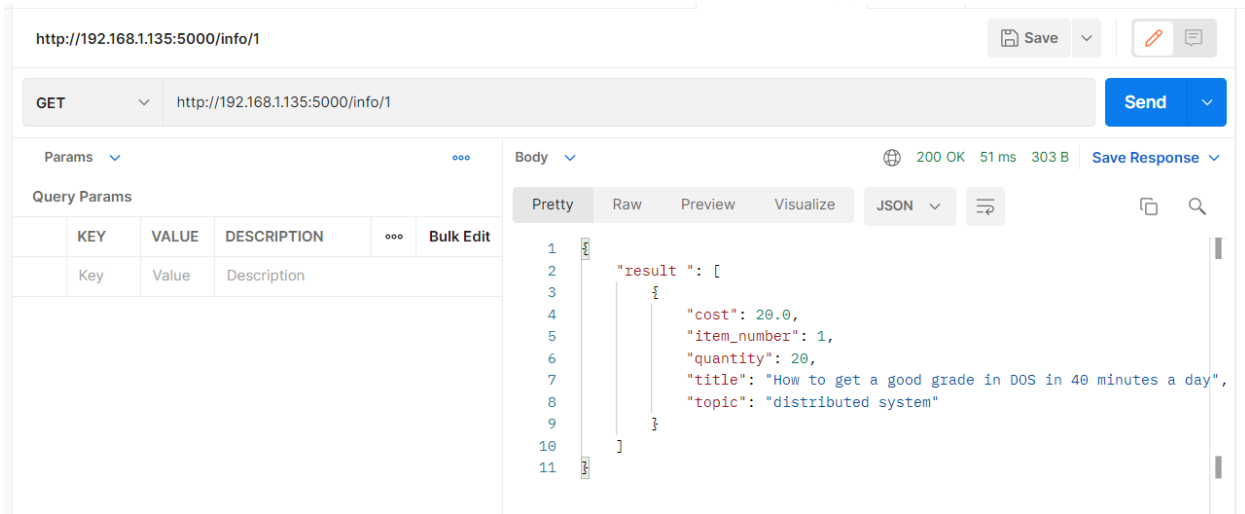


DOS PROJECT'S OUTPUT

INFO:

- FRONTSIDE: RESPONSE



- FROM COMMAND: FRONT

```
WARNING: This is a development server. Do not use it in a production deployment.
* Running on http://192.168.1.135:5000/ (Press CTRL+C to quit)
192.168.1.135 - - [01/Apr/2022 18:15:34] "GET / HTTP/1.1" 200 -
192.168.1.135 - - [01/Apr/2022 18:15:46] "GET /info/2 HTTP/1.1" 200 -
```

- CATALOG SERVER:

```
192.168.1.135 - - [01/Apr/2022 18:15:46] "GET /info/2 HTTP/1.1" 200 -
192.168.1.135 - - [01/Apr/2022 18:19:03] "GET /info/3 HTTP/1.1" 200 -
```

- FOR NUMBER NOT FOUND, RESULT FROM FRONT SERVER

http://192.168.1.135:5000/info/5

GET http://192.168.1.135:5000/info/5

Send

Params

Query Params

KEY	VALUE	DESCRIPTION	...	Bulk Edit
Key	Value	Description		

Body

200 OK 51 ms 242 B Save Response

Pretty Raw Preview Visualize JSON

```

1
2  "result": "no results for your query, please be sure you entered val
3

```

- FROM CATALOG SIDE:

```

WARNING: This is a development server. Do not use it in a production deployment.
* Running on http://192.168.1.135:5000/ (Press CTRL+C to quit)
192.168.1.135 - - [01/Apr/2022 18:15:34] "GET / HTTP/1.1" 200 -
192.168.1.135 - - [01/Apr/2022 18:15:46] "GET /info/2 HTTP/1.1" 200 -
192.168.1.135 - - [01/Apr/2022 18:19:03] "GET /info/3 HTTP/1.1" 200 -
192.168.1.135 - - [01/Apr/2022 18:20:33] "GET /info/5 HTTP/1.1" 200 -

```

SEARCH:

- RESULT FROM FRONT SERVER

http://192.168.1.135:5000/search/distributed system

GET http://192.168.1.135:5000/search/distributed system

Params Query Params

KEY	VALUE	DESCRIPTION	Bulk Edit
Key	Value	Description	

Body

200 OK 51 ms 291 B

Save Response

Pretty Raw Preview Visualize JSON

```
1  {
2    "result": [
3      {
4        "item_number": 1,
5        "title": "How to get a good grade in DOS in 40 minutes a day"
6      },
7      {
8        "item_number": 2,
9        "title": "RBCs for Noobs"
10     }
11   ]
12 }
```

- RESPONSE FROM Front command:

```
192.168.1.135 - - [01/Apr/2022 18:22:26] "GET /info/2 HTTP/1.1" 200 -
192.168.1.135 - - [01/Apr/2022 18:25:38] "GET /search/distributed%20system HTTP/1.1" 200 -
192.168.1.135 - - [01/Apr/2022 18:34:12] "GET /search/distributed%20system HTTP/1.1" 200 -
```

- From CATALOG SERVER

```
192.168.1.135 - - [01/Apr/2022 18:34:12] "GET /search/distributed%20system HTTP
/1.1" 200 -
192.168.1.135 - - [01/Apr/2022 18:35:54] "GET /search/distributed%20system HTTP
/1.1" 200 -
```

- SEARCH FOR UNDERGRADUATE:

http://192.168.1.135:5000/search/undergraduate school

GET http://192.168.1.135:5000/search/undergraduate school Send

Params Query Params

KEY	VALUE	DESCRIPTION	Bulk Edit
Key	Value	Description	

Body Pretty Raw Preview Visualize JSON

```

1  {
2    "result": [
3      {
4        "item_number": 3,
5        "title": "HXen and the Art of Surviving Undergraduate School"
6      },
7      {
8        "item_number": 4,
9        "title": "Cooking for the Impatent Undergrad"
10     }
11   ]
12 }
```

- From catalog:

```

192.168.1.135 - - [01/Apr/2022 18:34:12] "GET /search/distributed%20system HTTP
/1.1" 200 -
192.168.1.135 - - [01/Apr/2022 18:35:54] "GET /search/distributed%20system HTTP
/1.1" 200 -
192.168.1.135 - - [01/Apr/2022 18:38:21] "GET /search/undergraduate%20school HT
TP/1.1" 200 -
```

- From command front:

```

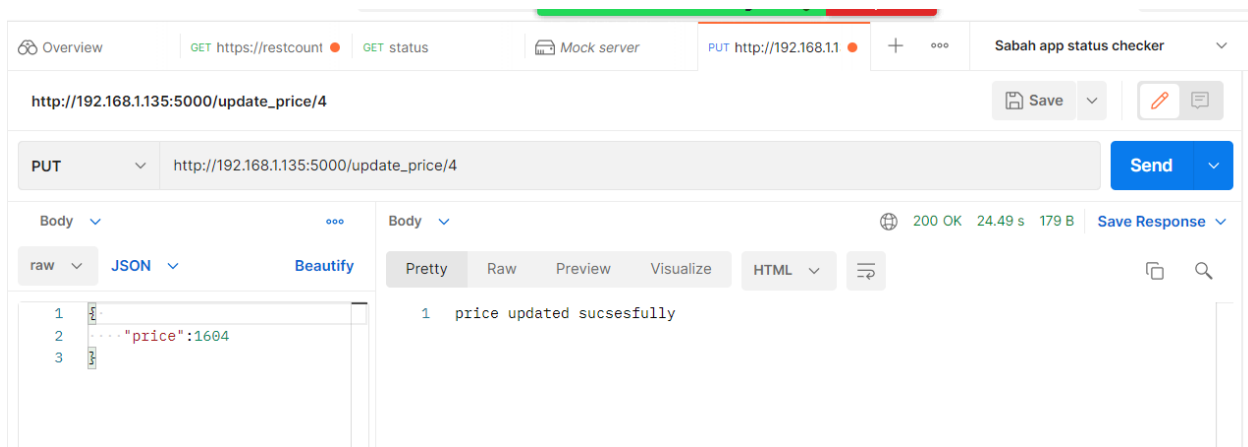
192.168.1.135 - - [01/Apr/2022 18:34:12] "GET /search/distributed%20system HTTP/1.1" 200 -
192.168.1.135 - - [01/Apr/2022 18:35:54] "GET /search/distributed%20system HTTP/1.1" 200 -
192.168.1.135 - - [01/Apr/2022 18:38:21] "GET /search/undergraduate%20school HTTP/1.1" 200 -
```

Update Price:

- FRONT CMD:

```
192.168.1.135 - - [04/Apr/2022 22:06:48] "PUT /update_price/3 HTTP/1.1" 200 -
192.168.1.135 - - [04/Apr/2022 22:09:15] "PUT /update_price/3 HTTP/1.1" 200 -
192.168.1.135 - - [04/Apr/2022 22:11:02] "PUT /update_price/3 HTTP/1.1" 200 -
192.168.1.135 - - [04/Apr/2022 22:12:30] "PUT /update_price/4 HTTP/1.1" 200 -
```

- Front postman:



- RESPONSE FROM Catalog SERVER :

```
Running on http://192.168.1.135:5000 (Press CTRL+C to quit)
192.168.1.135 - - [04/Apr/2022 22:09:16] "PUT /update_price/3 HTTP/1.1" 200 -
192.168.1.135 - - [04/Apr/2022 22:11:03] "PUT /update_price/3 HTTP/1.1" 200 -
192.168.1.135 - - [04/Apr/2022 22:12:31] "PUT /update_price/4 HTTP/1.1" 200 -
```

- The updated database for id =4:

The screenshot shows a database browser interface with the 'books' table selected. The table has columns: item_number, title, topic, quantity, and cost. The data for item 4 is highlighted in blue.

	item_number	title	topic	quantity	cost
1	1	How to get ...	distributed ...	300	20.0
2	2	RBCs for ...	distributed ...	0	25.0
3	3	HXen and t...	undergradu...	600	60.0
4	4	Cooking for ...	undergradu...	600	1604.0

Purchase:

- If the stock was empty :

Postman interface showing a POST request to `http://192.168.1.135:5000/purchase/2`. The response is 200 OK, 57 ms, 186 B, with the body: `"result": "the stock is empty"`.

- FROM FROND CMD:

```
192.168.1.135 - - [05/Apr/2022 07:01:47] "POST /purchase/3 HTTP/1.1" 200 -
192.168.1.135 - - [05/Apr/2022 07:03:30] "POST /purchase/3 HTTP/1.1" 200 -
192.168.1.135 - - [05/Apr/2022 07:04:43] "POST /purchase/3 HTTP/1.1" 200 -
192.168.1.135 - - [05/Apr/2022 07:04:51] "POST /purchase/2 HTTP/1.1" 200 -
```

- RESULT FROM FRONT SERVER BY USING postman:

Postman interface showing a POST request to `http://192.168.1.135:5000/purchase/3`. The response is 200 OK, 88 ms, 202 B, with the body: `"result": "purchase process done successfully"`.

- Info to see result before purchase :

http://192.168.1.135:5000/info/3

GET http://192.168.1.135:5000/info/3 **Send**

Params Query Params

KEY	VALUE	DESCRIPTION	...	Bulk Edit
Key	Value	Description		

Body

200 OK 51 ms 306 B Save Response

Pretty Raw Preview Visualize JSON

```

1  {
2    "result": [
3      {
4        "cost": 60.0,
5        "item_number": 3,
6        "quantity": 597,
7        "title": "HXen and the Art of Surviving Undergraduate School",
8        "topic": "undergraduate school"
9      }
10   ]
11 }
```

- Make purchase

http://192.168.1.135:5000/purchase/3

POST http://192.168.1.135:5000/purchase/3 **Send**

Params Query Params

KEY	VALUE	DESCRIPTION	...	Bulk Edit
Key	Value	Description		

Body

200 OK 88 ms 202 B Save Response

Pretty Raw Preview Visualize JSON

```

1  {
2    "result": "purchase process done successfully"
3  }
```

- After purchase to show decreased amount:

http://192.168.1.135:5000/info/3

GET http://192.168.1.135:5000/info/3 **Send**

Params Query Params

KEY	VALUE	DESCRIPTION	...	Bulk Edit
Key	Value	Description		

Body

200 OK 51 ms 306 B Save Response

Pretty Raw Preview Visualize JSON

```

1  {
2    "result": [
3      {
4        "cost": 60.0,
5        "item_number": 3,
6        "quantity": 596,
7        "title": "HXen and the Art of Surviving Undergraduate School",
8        "topic": "undergraduate school"
9      }
10   ]
11 }
```

- Result From order server:

```
192.168.1.135 - - [05/Apr/2022 07:03:30] "POST /purchase/3 HTTP/1.1" 200 -
192.168.1.135 - - [05/Apr/2022 07:04:43] "POST /purchase/3 HTTP/1.1" 200 -
192.168.1.135 - - [05/Apr/2022 07:04:51] "POST /purchase/2 HTTP/1.1" 200 -
192.168.1.135 - - [05/Apr/2022 07:08:32] "POST /purchase/3 HTTP/1.1" 200 -
192.168.1.135 - - [05/Apr/2022 07:11:03] "POST /purchase/3 HTTP/1.1" 200 -
```

- From catalog server:

```
192.168.1.14 - - [05/Apr/2022 07:08:32] "GET /count/3 HTTP/1.1" 200 -
192.168.1.14 - - [05/Apr/2022 07:08:32] "PUT /update_amount/3 HTTP/1.1" 200 -
192.168.1.135 - - [05/Apr/2022 07:10:02] "GET /info/3 HTTP/1.1" 200 -
192.168.1.14 - - [05/Apr/2022 07:11:03] "GET /count/3 HTTP/1.1" 200 -
192.168.1.14 - - [05/Apr/2022 07:11:03] "PUT /update_amount/3 HTTP/1.1" 200 -
192.168.1.135 - - [05/Apr/2022 07:15:39] "GET /info/3 HTTP/1.1" 200 -
```

- Purchase process' result for unknown id:

The screenshot shows a REST client interface with the following details:

- URL:** http://192.168.1.135:5000/purchase/9
- Method:** POST
- Status:** 200 OK, 71 ms, 179 B
- Body (JSON):**

```
{
  "result": "unkown Book"
}
```