

# CUBICFOX JAVA TEST

Initially I added two users and 8 proudcts to DB.

- **Getting JWT Token**

POST : <http://localhost:8081/authenticate>

Request Body:

//First user

```
{  
  "username": "Osma",  
  "email": "osma@outlook.com"  
}
```

//Second user

```
{  
  "username": "Oguzhan",  
  "email": "osma@gmail.com"  
}
```

After sending request, you should get a response as below:



To be able to do some processes the header always should be like :

Content-Type:application/json

Authorization:Bearer <Token>

- Getting All Products with Average Rate

GET : <http://localhost:8081/products>

The link above will get the all products with default page size.(Default 5)

For pagination : </products?PageSize=5&PageNo=0>

For filtering : [/products?search=\(price>100\)](/products?search=(price>100)) etc.

If you use filtering options and pagination options you will get a response as an example below:

The screenshot shows a REST client interface with a GET request to `http://localhost:8081/products?pageSize=2&pageNo=1&search=(price>100)`. The response status is 200 OK, with a time of 137ms and a size of 520. The response body is displayed in JSON format, showing two product objects.

| KEY   | VALUE  | DESCRIPTION | ... |
|---|--|-------------|-----|
| <input checked="" type="checkbox"/> Content-Type  | application/json                                     |             |     |
| <input checked="" type="checkbox"/> Authorization | Bearer eyJhbGciOiJIUzUxMiJ9.eyJzdWIiOiJpc21hliwiZ... |             |     |
| Key   | Value  | Description |     |

```
1 [
2   {
3     "barcode": "123458",
4     "name": "Tablet",
5     "description": "iPad",
6     "price": 200.0,
7     "rate": 0.0
8   },
9   {
10    "barcode": "123451",
11    "name": "Car",
12    "description": "Renault Megan",
13    "price": 5000.0,
14    "rate": 0.0
15  }
16 ]
```

- Getting a Particular Product with Rates

GET : `http://localhost:8081/products/{barcode}`

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

- Method:** GET
- URL:** `http://localhost:8081/products/123457`
- Status:** 200 OK
- Time:** 27ms
- Size:** 449 B
- Headers (8):**
  - Content-Type:** application/json
  - Authorization:** Bearer eyJhbGciOiJIUzUxMiJ9.eyJzdWiiOiJpc21hliwiZ...
- Body (JSON):**

```
{  "barcode": "123457",  "name": "Computer",  "description": "Monster Abra v5",  "price": 800.0,  "rate": [    10.0,    10.0  ]}
```

- Updating a Product

PUT : `http://localhost:8081/product/update/{barcode}`

To be able to update a product **request body** should be as below:

```
{  "name": "computer",  "description": "Casper Nirvana C5",  "price": 800.0}
```

If you add it correctly you'll get "200 OK" response. Additionally if you try to update the other user's product it'll show a message as below:

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

- Body (JSON):**

```
{  "message": "You don't have permission to update products' details!",  "httpStatus": "BAD_REQUEST",  "timestamp": "2020-04-09T13:58:51.004Z"}
```

- Giving a Rate for Product

POST : `http://localhost:8081/rate/{barcode}`

Request Body:

```
{  
  "rate": <Number>  
}
```