## **PRODUCT SERVICES**

## **CREATE / ADD A PRODUCT**

**REQUEST**

**POST** [**http://localhost:8080/product**](http://localhost:8080/product)

**REQUEST HEADER :**

**Auth-Token : Mg== (admin User)**

**REQUEST BODY**

*{*

*"name":"apple",*

*"price":190,*

*"quantityInInventory":20,*

*"merchant":"tata",*

*“expiryDate”:”2020-10-01”*

*}*

**RESPONSE**

201 CREATED

## **GET LIST OF PRODUCTS**

**REQUEST**

**GET** [**http://localhost:8080/products**](http://localhost:8080/products)

**RESPONSE – 200OK List of Products with details**

*[*

*{*

*"productId": 1,*

*"name": "TATA Tea",*

*"price": 100,*

*"quantityInInventory": 100,*

*"merchant": "Tata",*

*“expiryDate”:”2020-10-01”*

*},*

*{*

*"productId": 2,*

*"name": "Dove Soap",*

*"price": 30,*

*"quantityInInventory": 100,*

*"merchant": "unilever",*

*“expiryDate”:”2020-10-01”*

*},*

*{*

*"productId": 3,*

*"name": "Coalgate",*

*"price": 20,*

*"quantityInInventory": 100,*

*"merchant": "Unilever",*

*“expiryDate”:”2020-10-01”*

*}*

*]*

## **GET DETAILS OF 1 PRODUCT**

**REQUEST**

**GET** [**http://localhost:8080/product/{productId}**](http://localhost:8080/product/%7bproductId%7d)

**Eg. GET** [**http://localhost:8080/product/1**](http://localhost:8080/product/1)

**RESPONSE 200OK With details of product**

*{*

*"productId": 1,*

*"name": "TATA Tea",*

*"price": 100,*

*"quantityInInventory": 100,*

*"merchant": "Tata",*

*“expiryDate”:”2020-10-01”*

*}*

## **SEARCH PRODUCT USING ANY STRING**

**REQUEST**

**GET** [**http://localhost:8080/product/search?name=”gate**](http://localhost:8080/product/search?name=)**”**

**RESPONSE 200OK with Products matching search string**

*[*

*{*

*"productId": 3,*

*"name": "Coalgate",*

*"price": 20,*

*"quantityInInventory": 100,*

*"merchant": "Unilever",*

*“expiryDate”:”2020-10-01”*

*}*

*]*

## **DELETE A PRODUCT**

**REQUEST**

**DELETE** [**http://localhost:8080/product/delete**](http://localhost:8080/product/delete)**/{productId}**

**REQUEST HEADERS: (Note- Only admin users can delete a product from the inventory)**

**Auth-Token : MQ== (of any admin user)**

**RESPONSE**

**204 No content**

ASSUMPTIONS

* Product can be added or deleted in the inventory by an Admin user ONLY.
* While deleting a product, admin can only entirely remove the product from the inventory. He/she cannot delete a quantity of product.
* Product would be a separate Microservice, as there would be heavy read as well as write on the service. There would be frequent searching as well as updations as orders are placed.