

# Spring-JUnit Documentation By Sanders

**The following end-point is for creating a new customer**

*request*

```
POST /v1/api/customers HTTP/1.1
Content-Type: application/json;charset=UTF-8
Content-Length: 357
Host: localhost:8080

{
  "id" : "102",
  "firstName" : "Tarie",
  "lastName" : "Sanders",
  "email" : "tarie@santech.co.uk",
  "phone" : "0774627559",
  "gender" : "FEMALE",
  "address" : {
    "country" : "Zim",
    "postCode" : 200,
    "city" : "Harare"
  },
  "goodsPurchased" : [ "Ciroc 1L", "Ice 1KG", "Ice Cream 5L" ],
  "totalAmount" : 35,
  "createdAt" : "2022-02-22"
}
```

*response*

```
HTTP/1.1 201 Created
Content-Type: application/json
Content-Length: 278

{"id":"102","firstName":"Tarie","lastName":"Sanders","email":"tarie@santech.co.uk","phone":"0774627559","gender":"FEMALE","address":{"country":"Zim","postCode":200,"city":"Harare"},"goodsPurchased":["Ciroc 1L","Ice 1KG","Ice Cream 5L"],"totalAmount":35,"createdAt":"2022-02-22"}
```

# The following end-point explains the creation of an already existing customer

*request*

```
POST /v1/api/customers HTTP/1.1
Content-Type: application/json;charset=UTF-8
Content-Length: 358
Host: localhost:8080

{
  "id" : "101",
  "firstName" : "Kimberly",
  "lastName" : "Simpson",
  "email" : "kim@santech.co.uk",
  "phone" : "0774627559",
  "gender" : "FEMALE",
  "address" : {
    "country" : "Zim",
    "postCode" : 200,
    "city" : "Harare"
  },
  "goodsPurchased" : [ "Ciroc 1L", "Ice 1KG", "Ice Cream 5L" ],
  "totalAmount" : 10,
  "createdAt" : "2022-02-19"
}
```

*response*

```
HTTP/1.1 400 Bad Request
```

# The following end-point finds a customer by customer Id from db

*request*

```
GET /v1/api/customers/101 HTTP/1.1
Host: localhost:8080
```

*response*

```
HTTP/1.1 200 OK
Content-Type: application/json
Content-Length: 278
```

```
{"id":"101","firstName":"Nono","lastName":"Sanders","email":"nono@santech.co.uk","phone":"0782898667","gender":"FEMALE","address":{"country":"Zim","postCode":200,"city":"Harare"},"goodsPurchased":["Amazula 2L","Ice 1KG","Ice Cream 5L"],"totalAmount":10,"createdAt":"2022-02-20"}
```

## The following end-point explains the fetching of a non-existing customer from the db

*request*

```
GET /v1/api/customers/105 HTTP/1.1
Host: localhost:8080
```

*response*

```
HTTP/1.1 404 Not Found
```

## The following end-point fetches customers by characters similar to the customer last names in the db

*request*

```
GET /v1/api/customers/users/Sand HTTP/1.1
Host: localhost:8080
```

*response*

```
HTTP/1.1 200 OK
Content-Type: application/json
Content-Length: 559
```

```
[{"id":"101","firstName":"Nono","lastName":"Sanders","email":"nono@santech.co.uk","phone":"0782898667","gender":"FEMALE","address":{"country":"Zim","postCode":200,"city":"Harare"},"goodsPurchased":["Amazula 2L","Ice 1KG","Ice Cream 5L"],"totalAmount":10,"createdAt":"2022-02-20"}, {"id":"102","firstName":"Tarie","lastName":"Sanders","email":"tarie@santech.co.uk","phone":"0774627559","gender":"FEMALE","address":{"country":"Zim","postCode":200,"city":"Harare"},"goodsPurchased":["Ciroc 1L","Ice 1KG","Ice Cream 5L"],"totalAmount":35,"createdAt":"2022-02-22"}]
```

## The following end-point fetches all customers from the database

*request*

```
GET /v1/api/customers HTTP/1.1
Host: localhost:8080
```

*response*

```
HTTP/1.1 200 OK
Content-Type: application/json
Content-Length: 559
```

```
[{"id":"101","firstName":"Nono","lastName":"Sanders","email":"nono@santech.co.uk","phone":"0782898667","gender":"FEMALE","address":{"country":"Zim","postCode":200,"city":"Harare"},"goodsPurchased":["Amazula 2L","Ice 1KG","Ice Cream 5L"],"totalAmount":10,"createdAt":"2022-02-20"}, {"id":"102","firstName":"Tarie","lastName":"Sanders","email":"tarie@santech.co.uk","phone":"0774627559","gender":"FEMALE","address":{"country":"Zim","postCode":200,"city":"Harare"},"goodsPurchased":["Ciroc 1L","Ice 1KG","Ice Cream 5L"],"totalAmount":35,"createdAt":"2022-02-22"}]
```

Spring-mongo example Powered by Sanders @2022