

Spring-JUnit Documentation By Sanders

The following end-point is for creating a new customer

request

```
$ curl 'http://localhost:8080/v1/api/customers' -i -X POST \  
  -H 'Content-Type: application/json;charset=UTF-8' \  
  -d '{  
    "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"  
  }'
```

```
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

```
$ curl 'http://localhost:8080/v1/api/customers' -i -X POST \
  -H 'Content-Type: application/json;charset=UTF-8' \
  -d '{
    "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"
  }'
```

```
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

```
$ curl 'http://localhost:8080/v1/api/customers/101' -i -X GET
```

```
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

```
$ curl 'http://localhost:8080/v1/api/customers/105' -i -X GET
```

```
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

```
$ curl 'http://localhost:8080/v1/api/customers/users/Sand' -i -X GET
```

```
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

```
$ curl 'http://localhost:8080/v1/api/customers' -i -X GET
```

```
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