

Sample REST Service

Sample REST Service Documentation – Version 0.0.1, 2019-01-31

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Introduction

Resources

1. Customer

1.1. Create Customer

1.1.1. Request structure

```
POST /jpa/customers/ HTTP/1.1
Accept: application/json
Host: localhost:0
Content-Length: 116
Content-Type: application/json
Authorization: Bearer oauth-2-token-from-auth-service

{
  "firstName" : "firstName1",
  "lastName" : "lastName1",
  "sampleIgnoreInPublic" : "sampleIgnoreInPublic1"
}
```

1.1.2. Request fields

Path	Type	Description
firstName	String	Customer's first name
lastName	String	Customer's last name
sampleIgnoreInPublic	String	Some data that will be ignored while in public view

1.1.3. Response fields

Path	Type	Description
firstName	String	Customer's first name

Path	Type	Description
lastName	String	Customer's last name
created	String	Created timestamp
updated	String	Updated timestamp
id	Number	ID

1.1.4. Example response

```
HTTP/1.1 200 OK
Content-Length: 170
Content-Type: application/json;charset=UTF-8

{
  "created" : "2019-01-31T00:59:44.913+0000",
  "updated" : "2019-01-31T00:59:44.913+0000",
  "id" : 5,
  "firstName" : "firstName1",
  "lastName" : "lastName1"
}
```

1.1.5. CURL request

```
$ curl 'http://localhost:0/jpa/customers/' -i -X POST \
  -H 'Accept: application/json' \
  -H 'Content-Type: application/json' \
  -H 'Authorization: Bearer oauth-2-token-from-auth-service' \
  -d '{
    "firstName" : "firstName1",
    "lastName" : "lastName1",
    "sampleIgnoreInPublic" : "sampleIgnoreInPublic1"
  }'
```

1.2. Get Customer

1.2.1. Request structure

```
GET /jpa/customers/4 HTTP/1.1
Accept: application/json
Host: localhost:0
Authorization: Bearer oauth-2-token-from-auth-service
```

1.2.2. Path parameters

Table 1. /jpa/customers/{id}

Parameter	Description
id	Customer ID to get

1.2.3. Response fields

Path	Type	Description
firstName	String	Customer's first name
lastName	String	Customer's last name

Path	Type	Description
created	String	Created timestamp
updated	String	Updated timestamp
id	Number	ID

1.2.4. Example response

```
HTTP/1.1 200 OK
Content-Length: 170
Content-Type: application/json;charset=UTF-8

{
  "created" : "2019-01-31T00:59:44.823+0000",
  "updated" : "2019-01-31T00:59:44.823+0000",
  "id" : 4,
  "firstName" : "firstName1",
  "lastName" : "lastName1"
}
```

1.2.5. CURL request

```
$ curl 'http://localhost:0/jpa/customers/4' -i -X GET \
  -H 'Accept: application/json' \
  -H 'Authorization: Bearer oauth-2-token-from-auth-service'
```

1.3. Get all Customers

1.3.1. Request structure

```
GET /jpa/customers/?page=0&size=2147483647 HTTP/1.1
Accept: application/json
Host: localhost:0
Authorization: Bearer oauth-2-token-from-auth-service
```

1.3.2. Request fields

Parameter	Description
page	Page number to get
size	Number of results per page

1.3.3. Response fields

Path	Type	Description
list[]	Array	List of customers
list[].firstName	String	Customer's first name
list[].lastName	String	Customer's last name
list[].created	String	Created timestamp

Path	Type	Description
list[].updated	String	Updated timestamp
list[].id	Number	ID
currentPage	Number	Current page number
totalPages	Number	Total number of pages
totalSize	Number	Number of results
first	Boolean	Is it first page
last	Boolean	Is it last page

1.3.4. Example response

```
HTTP/1.1 200 OK
Content-Length: 671
Content-Type: application/json;charset=UTF-8

{
  "currentPage" : 0,
  "totalPages" : 1,
  "totalSize" : 3,
  "first" : true,
  "last" : true,
  "list" : [ {
    "created" : "2019-01-31T00:59:44.477+0000",
    "updated" : "2019-01-31T00:59:44.477+0000",
    "id" : 1,
    "firstName" : "firstName0",
    "lastName" : "lastName0"
  }, {
    "created" : "2019-01-31T00:59:44.547+0000",
    "updated" : "2019-01-31T00:59:44.547+0000",
    "id" : 2,
    "firstName" : "firstName1",
    "lastName" : "lastName1"
  }, {
    "created" : "2019-01-31T00:59:44.554+0000",
    "updated" : "2019-01-31T00:59:44.554+0000",
    "id" : 3,
    "firstName" : "firstName2",
    "lastName" : "lastName2"
  } ]
}
```

1.3.5. CURL request

```
$ curl 'http://localhost:0/jpa/customers/?page=0&size=2147483647' -i -X GET \
-H 'Accept: application/json' \
-H 'Authorization: Bearer oauth-2-token-from-auth-service'
```

1.4. Get Customers by Last Name

1.4.1. Request structure

```
GET /jpa/customers/search/findAllByLastName/lastName1 HTTP/1.1
Accept: application/json
Host: localhost:0
Authorization: Bearer oauth-2-token-from-auth-service
```

1.4.2. Path parameters

Table 2. /jpa/customers/search/findAllByLastName/{lastName}

Parameter	Description
lastName	Last name to search by

1.4.3. Response fields

Path	Type	Description
[].firstName	String	Customer's first name
[].lastName	String	Customer's last name
[].created	String	Created timestamp
[].updated	String	Updated timestamp
[].id	Number	ID

1.4.4. Example response

```
HTTP/1.1 200 OK
Content-Length: 174
Content-Type: application/json; charset=UTF-8

[ {
  "created" : "2019-01-31T00:59:44.973+0000",
  "updated" : "2019-01-31T00:59:44.973+0000",
  "id" : 6,
  "firstName" : "firstName1",
  "lastName" : "lastName1"
} ]
```

1.4.5. CURL request

```
$ curl 'http://localhost:0/jpa/customers/search/findAllByLastName/lastName1' -i -X GET \
-H 'Accept: application/json' \
-H 'Authorization: Bearer oauth-2-token-from-auth-service'
```

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