Contents

[Purpose of this document 1](#_Toc184633850)

[REST resources (services) 1](#_Toc184633851)

[REST requests and responses 2](#_Toc184633852)

[1 Get all products 2](#_Toc184633853)

[2 Get all manufacturers 3](#_Toc184633854)

[3 Get all types 4](#_Toc184633855)

[4 Get all products of a type, by type name 6](#_Toc184633856)

[5 Register new customer 7](#_Toc184633857)

[6 Soft delete customer 7](#_Toc184633858)

[HTTP methods 8](#_Toc184633859)

# Purpose of this document

This document describes what REST services are provided in the Tiimi 2 pet shop app. It contains all needed information so that client can be implemented.

# REST resources (services)

Base url: https://s24-tiimi2-backend-s24tiimi2backend.2.rahtiapp.fi

1. Get all products -> /api/products
2. Get all types -> /api/types
3. Get all manufacturers -> /api/manufacturers
4. Get all products with certain type -> /api/products/type/{type\_name}
5. Register new customer -> /api/customers
6. Soft delete customer -> /api/customers/{id}

# REST requests and responses

## 1 Get all products

HTTP method: GET

API call: https://s24-tiimi2-backend-s24tiimi2backend.2.rahtiapp.fi /api/products

Request body: -

Response example below:

{

"\_embedded": {

"products": [

{

"name": "Padded collar",

"color": "black",

"price": 14.49,

"size": "S",

"\_links": {

"self": {

"href": "http://localhost:8080/api/products/1"

},

"product": {

"href": "http://localhost:8080/api/products/1"

},

"type": {

"href": "http://localhost:8080/api/products/1/type"

},

"manufacturer": {

"href": "http://localhost:8080/api/products/1/manufacturer"

}

}

},

{

"name": "Shirt",

"color": "red",

"price": 9.99,

"size": "L",

"\_links": {

"self": {

"href": "http://localhost:8080/api/products/2"

},

"product": {

"href": "http://localhost:8080/api/products/2"

},

"type": {

"href": "http://localhost:8080/api/products/2/type"

},

"manufacturer": {

"href": "http://localhost:8080/api/products/2/manufacturer"

}

}

}

]

},

"\_links": {

"self": {

"href": "http://localhost:8080/api/products"

},

"profile": {

"href": "http://localhost:8080/api/profile/products"

},

"search": {

"href": "http://localhost:8080/api/products/search"

}

}

}

## 2 Get all manufacturers

HTTP method: GET

API call: https://s24-tiimi2-backend-s24tiimi2backend.2.rahtiapp.fi/rest/manufacturers

Request body: -

Response example below:

{

"\_embedded": {

"manufacturers": [

{

"name": "Feel active",

"\_links": {

"self": {

"href": "http://localhost:8080/api/manufacturers/1"

},

"manufacturer": {

"href": "http://localhost:8080/api/manufacturers/1"

},

"products": {

"href": "http://localhost:8080/api/manufacturers/1/products"

}

}

}

]

},

"\_links": {

"self": {

"href": "http://localhost:8080/api/manufacturers"

},

"profile": {

"href": "http://localhost:8080/api/profile/manufacturers"

}

}

}

## 3 Get all types

HTTP method: GET

API call: https://s24-tiimi2-backend-s24tiimi2backend.2.rahtiapp.fi /api/types

Request body: -

Response example below:

{

"\_embedded": {

"types": [

{

"name": "clothing",

"id": 1,

"\_links": {

"self": {

"href": "http://localhost:8080/api/types/1"

},

"type": {

"href": "http://localhost:8080/api/types/1"

},

"products": {

"href": "http://localhost:8080/api/types/1/products"

}

}

},

{

"name": "toy",

"id": 2,

"\_links": {

"self": {

"href": "http://localhost:8080/api/types/2"

},

"type": {

"href": "http://localhost:8080/api/types/2"

},

"products": {

"href": "http://localhost:8080/api/types/2/products"

}

}

},

{

"name": "food",

"id": 3,

"\_links": {

"self": {

"href": "http://localhost:8080/api/types/3"

},

"type": {

"href": "http://localhost:8080/api/types/3"

},

"products": {

"href": "http://localhost:8080/api/types/3/products"

}

}

}

]

},

"\_links": {

"self": {

"href": "http://localhost:8080/api/types"

},

"profile": {

"href": "http://localhost:8080/api/profile/types"

}

}

}

## 4 Get all products of a type, by type name

HTTP method: GET

API call: https://s24-tiimi2-backend-s24tiimi2backend.2.rahtiapp.fi /api/products/type/{type\_name}

Request body: -

Response example below:

[

{

"id": 1,

"name": "Padded collar",

"color": "black",

"price": 14.49,

"size": "S",

"manufacturer": {

"id": 1,

"name": "Feel active"

},

"type": {

"name": "clothing",

"id": 1

}

},

{

"id": 2,

"name": "Shirt",

"color": "red",

"price": 9.99,

"size": "L",

"manufacturer": {

"id": 1,

"name": "Feel active"

},

"type": {

"name": "clothing",

"id": 1

}

}

]

## 5 Register new customer

HTTP method: POST

API call: https://s24-tiimi2-backend-s24tiimi2backend.2.rahtiapp.fi/api/customers

Request body: Customer

Response example below:

?

## 6 Soft delete customer

HTTP method: PUT

API call: https://s24-tiimi2-backend-s24tiimi2backend.2.rahtiapp.fi/api/customers/{id}

Request body: -

Response example below:

?

# HTTP methods

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Http**  **Method** | **Resource EndPoint** | **Input** | **Success Response** | **Error**  **Response** | **Description** |
| GET | /api/products | Body: empty | Status: 200  List of products | Status 500 | Retrieves all products |
| GET | /api/manufacturers | Body: empty | Status: 200  List of manufacturers | Status 500 | Retrieves all manufacturers |
| GET | /api/types | Body: empty | Status: 200  List of product types | Status 500 | Retrieves all product types |
| GET | /api/products/type/{typename} | Body: empty | Status: 200  List of products | Status 500 | Retrieves a list of products of a certain type searched by type name |
| POST | /api/customers | Body:  Customer | ? | ? | Registers new user made in React form |
| PUT | /api/customers/{id} | Body: empty | ? | ? | Soft deletes user based on id. Used in React app where id is fetched based on email |