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# Purpose of this document

This document describes what REST services Omppu & Rane -application provides. It contains all needed information so that client can be implemented.

# REST resources (services)

## Clothes

1. Get all clothes -> http://localhost:8080/api/clothings (use plurals)

2. Insert new clothing -> http://localhost:8080/api/clothings

3. Edit clothing -> http://localhost:8080/api/clothings/{id} (id parameter needed)

4. Delete clothing -> http://localhost:8080/api/clothings/{id}

## Manufacturers

1. Get all manufacturers -> http://localhost:8080/api/manufacturers (use plurals)

2. Insert new manufacturer -> http://localhost:8080/api/manufacturers

3. Edit manufacturer -> http://localhost:8080/api/manufacturers/{id} (id parameter needed)

4. Delete manufacturer -> http://localhost:8080/api/manufacturers/{id}

# REST requests and responses

## 1 Clothes

### 1.1 Get all clothes

HTTP method: GET

API call: http://localhost:8080/api/clothings

Request body: -

Response example below:

[

    {

        "id": 1,

        "type": "Sadetakki",

        "size": "M",

        "price": 39.9,

        "manufacturer": {

            "id": 1,

            "name": "Purina"

        }

    },

    {

        "id": 2,

        "type": "Ulkotossut",

        "size": "S",

        "price": 19.9,

        "manufacturer": {

            "id": 2,

            "name": "Pedigree"

        }

    },

    {

        "id": 3,

        "type": "Hassuhattu",

        "size": "L",

        "price": 12.9,

        "manufacturer": {

            "id": 1,

            "name": "Purina"

        }

    }

]

### 1.2 Insert new clothing

HTTP method: POST

API call: http://localhost:8080/api/clothings

Request body:

{

        "type": "Sadetakki",

        "size": "M",

        "price": 39.9,

        "manufacturer": {

            "id": 1,

            "name": "Purina"

        }

}

Response example below (Status 200 OK):

{

        "id": 4,

        "type": "Haalari",

        "size": "M",

        "price": 39.9,

        "manufacturer": {

            "id": 1,

            "name": "Purina"

        }

}

### 1.3 Edit clothing

HTTP method: PUT

API call: http://localhost:8080/api/clothings/4

Request body:

{

        "type": "Sadetakki",

        "size": "M",

        "price": 39.9,

        "manufacturer": {

            "id": 1,

            "name": "Purina"

        }

}

Response example below (Status 200 OK):

{

        "id": 4,

        "type": "Haalari",

        "size": "M",

        "price": 39.9,

        "manufacturer": {

            "id": 1,

            "name": "Purina"

        }

}

### 1.4 Delete clothing

HTTP method: DELETE

API call: http://localhost:8080/api/clothings/4

Request body: -

Response: Status 200 OK

## 2 Manufacturers

### 1.1 Get all manufacturers

HTTP method: GET

API call: http://localhost:8080/api/manufacturers

Request body: -

Response example below:

[

    {

        "id": 1,

        "name": "Purina",

    },

    {

        "id": 2,

        "name": "Pedigree",

    }

]

### 1.2 Insert new manufacturer

HTTP method: POST

API call: http://localhost:8080/api/manifacturers

Request body:

{

        "name": "Rukka",

}

Response example below (Status 200 OK):

{

        "id": 3,

        "name": "Rukka",

}

### 1.3 Edit manufacturer

HTTP method: PUT

API call: http://localhost:8080/api/manufacturers/3

Request body:

{

        "type": "Rukka",

}

Response example below (Status 200 OK):

{

        "id": 3,

        "name": "Rukka",

}

### 1.4 Delete manufacturer

HTTP method: DELETE

API call: http://localhost:8080/api/manufacturers/3

Request body: -

Response: Status 200 OK

# HTTP methods

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Http**  **Method** | **Resource EndPoint** | **Input** | **Success Response** | **Error**  **Response** | **Description** |
| GET | /api/clothings | Body: empty | Status: 200  List of clothes | Status: 500 | Retrieves all clothes |
| GET | /api/id/{id} | Body: empty | Status: 200  Information of one clothing | Status: 500 | Retrieves information of one clothing |
| GET | /api/type/{type} | Body: empty | Status: 200  List of clothes | Status: 500 | Retrieves list of clothes with the same type |
| POST | /api/clothings | Body: new clothing data | Status: 200  New clothing with id information | Status: 500 | Creates new clothing |
| PUT | /api/clothings/{id} | Body: clothing data with updates | Status: 200  Body: Empty | Status: 404 or 500 | Updates an existing clothing |
| DELETE | /api/clothings/{id} | Body: empty | Status: 200 | Status: 404 or 500 | Deletes an existing clothing |
| GET | /api/manufacturers | Body: empty | Status: 200  List of manufacturers | Status: 500 | Retrieves all manufacturers |
| GET | /api/manufacturers/{id} | Body: empty | Status: 200  Information of one manufacturer | Status: 500 | Retrieves information of one manufacturer |
| POST | /api/manufacturers | Body: new manufacturer data | Status: 200  New manufacturer with id information | Status: 500 | Creates new manufacturer |
| PUT | /api/manufacturers/{id} | Body: manufacturer data with updates | Status: 200  Body: Empty | Status: 404 or 500 | Updates an existing manufacturer |
| DELETE | /api/manufacturers/{id} | Body: empty | Status: 200 | Status: 404 or 500 | Deletes an existing manufacturer |