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# Purpose of this document

This document gives information about the REST services of our application. It’s uses and how to use it.

# REST resources (services)

1. Get all apparel -> http://localhost:8080/api/apparels/

2. Insert new apparel-> http://localhost:8080/api/apparels/

3. Edit apparel details -> http://localhost:8080/api/apparels/{id} (id path variable needed)

4. Delete apparel -> http://localhost:8080/api/apparels/{id}

5. Get one apparel -> http://localhost:8080/api/apparels/{id}

# REST requests and responses

## 1 Get all apparel

HTTP method: GET

API call: <http://localhost:8080/api/apparels>

Request body: -

Response example below:

"apparels": [

{

"name": "JoustavaMeno",

"type": "Haalari",

"price": 59.0,

"id": 1,

"\_links": {

"self": {

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

},

"apparel": {

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

},

"maker": {

"href": "http://localhost:8080/api/apparels/1/maker"

}

}

},

{

"name": "70-luku",

"type": "Haalari",

"price": 32.0,

"id": 2,

"\_links": {

"self": {

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

},

"apparel": {

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

},

"maker": {

"href": "http://localhost:8080/api/apparels/2/maker"

}

}

## 2 Insert new apparel

HTTP method: POST

API call: <http://localhost:8080/rest/cars/>

Request body:

{

"name" : "PostiTesti",

"type" : "OmppuRane",

"price" : 29.90

}

Response example below (Status 201 Created):

{

"name": "PostiTesti",

"type": "OmppuRane",

"price": 29.9,

"id": 4,

"\_links": {

"self": {

"href": "http://localhost:8080/api/apparels/4"

},

"apparel": {

"href": "http://localhost:8080/api/apparels/4"

},

"maker": {

"href": "http://localhost:8080/api/apparels/4/maker"

}

}

}

## 3 Edit apparel

HTTP method: PUT

API call: <http://localhost:8080/api/apparels/2>

Request body:

{

"name" : "70-luku editointi testi",

"type" : "putman",

"price" : 59.9,

"id" : 2

}

Response example below (Status 200 OK):

{

"name": "70-luku editointi testi",

"type": "putman",

"price": 59.9,

"id": 2,

"\_links": {

"self": {

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

},

"apparel": {

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

},

"maker": {

"href": "http://localhost:8080/api/apparels/2/maker"

}

}

}

## 4 Delete apparel

HTTP method: DELETE

API call: <http://localhost:8080/api/apparels/1>

Request body: -

Response: Status 204 No content, deletion successful

## 5 Get info about one apparel

HTTP method: GET

API call: <http://localhost:8080/api/apparels/2>

Request body: -

Respone body: example below (Status 200 OK)

{

"name": "70-luku editointi testi",

"type": "putman",

"price": 59.9,

"id": 2,

"\_links": {

"self": {

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

},

"apparel": {

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

},

"maker": {

"href": "http://localhost:8080/api/apparels/2/maker"

}

}

}

# HTTP methods

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Http**  **Method** | **Resource EndPoint** | **Input** | **Success Response** | **Error**  **Response** | **Description** |
| GET | /api/apparels | Body: empty | Status: 200  List of students | Status 500 | Retrieves every apparel |
| POST | /api/apparels | Body: new car data | Status: 201  New student with id information | Status: 500 | Creates new apparel |
| PUT | /api/apparels | N/A | N/A | Status: 400 | Method not allowed |
| DELETE | /api/apparels | N/A | N/A | Status: 400 | Method not allowed |
| GET | /api/apparels/{id} | Body: empty | Status: 200  Returns one apparel | Status: 404 or 500 | Get information of one apparel. |
| POST | /api/apparels/{id} | N/A | N/A | Status: 400 | Method not allowed |
| PUT | /api/apparels/{id} | Body: apparel data with updates | Status: 200  Body: Empty | Status:404 or 500 | Updates an existing apparel. |
| DELETE | /api/apparels/{id} | Body: empty | Status: 204 | Status:404 or 500 | Deletes an existing apparel. |