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# Purpose of this document

This document describes what REST services for dogs products-application provides. It contains all needed information so that client can be implemented.

# REST resources (services)

1. Get all products -> http://localhost:8080/api/products (use plurars)

2. get all manufacturers -> <http://localhost:8080/api/manufacturers> (use plurars)

3. get all clothing -> http://localhost:8080/api/products/clothing (use plurars)

4. get all users -> <http://localhost:8080/api/appusers> (use plurars)

5. get user by id -> http://localhost:8080/api/appusers/{id} (use plurars)

6. get all reservations -> http://localhost:8080/api/reservations (use plurars)

# REST requests and responses

# 1 Get all products

HTTP method: GET

API call: < http://localhost:8080/api/products

Request body: -

Response example below:

[

{

"id": 1,

"title": "Jacket",

"color": "Red",

"stringPrice": "59.99",

"price": 59.99,

"quantity": 10,

"type": {

"typeId": 1,

"name": "Clothing"

},

"manufacturer": {

"manufacturerId": 1,

"name": "Rukka"

},

"size": {

"sizeId": 3,

"name": "L"

}

},

{

"id": 2,

"title": "Hat",

"color": "Blue",

"stringPrice": "25.99",

"price": 19.99,

"quantity": 17,

"type": {

"typeId": 1,

"name": "Clothing"

},

"manufacturer": {

"manufacturerId": 2,

"name": "Nukka"

},

"size": {

"sizeId": 2,

"name": "M"

}

},

{

"id": 3,

"title": "Tennis Balls",

"color": "Yellow",

"stringPrice": "19.99",

"price": 29.99,

"quantity": 12,

"type": {

"typeId": 2,

"name": "Toy"

},

"manufacturer": {

"manufacturerId": 3,

"name": "Wilson Sporting Goods"

},

"size": {

"sizeId": 1,

"name": "S"

}

}

]

## 2 Get all manufacturers

HTTP method: GET

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

Request body: -

Response example below:

[

{

"manufacturerId": 1,

"name": "Rukka"

},

{

"manufacturerId": 2,

"name": "Nukka"

},

{

"manufacturerId": 3,

"name": "Wilson Sporting Goods"

}

]

## 3 Get all clothing

HTTP method: GET

API call: http://localhost:8080/api/products/clothing

Request body: -

Response example below:

[

{

"id": 1,

"title": "Jacket",

"color": "Red",

"stringPrice": "59.99",

"price": 59.99,

"quantity": 10,

"type": {

"typeId": 1,

"name": "Clothing"

},

"manufacturer": {

"manufacturerId": 1,

"name": "Rukka"

},

"size": {

"sizeId": 3,

"name": "L"

}

},

{

"id": 2,

"title": "Hat",

"color": "Blue",

"stringPrice": "25.99",

"price": 19.99,

"quantity": 17,

"type": {

"typeId": 1,

"name": "Clothing"

},

"manufacturer": {

"manufacturerId": 2,

"name": "Nukka"

},

"size": {

"sizeId": 2,

"name": "M"

}

}

]

## 4 Get all users

HTTP method: GET

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

Request body: -

Response example below:

[

{

"id": 1,

"username": "user",

"password": "$2a$06$3jYRJrg0ghaaypjZ/.g4SethoeA51ph3UD4kZi9oPkeMTpjKU5uo6",

"role": "USER"

},

{

"id": 2,

"username": "admin",

"password": "$2a$10$0MMwY.IQqpsVc1jC8u7IJ.2rT8b0Cd3b3sfIBGV2zfgnPGtT4r0.C",

"role": "ADMIN"

}

]

## 5 Get user by id

HTTP method: GET

API call: http://localhost:8080/api/appusers/{id}

Request body: -

Response example below:

[

{

"id": 1,

"username": "user",

"password": "$2a$06$3jYRJrg0ghaaypjZ/.g4SethoeA51ph3UD4kZi9oPkeMTpjKU5uo6",

"role": "USER"

}

## 6 Get all reservations

HTTP method: GET

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

Request body: -

Response example below:

[

{

"id": 1,

"product": {

"id": 1,

"title": "Jacket",

"color": "Red",

"stringPrice": "59.99",

"price": 59.99,

"quantity": 7,

"type": {

"typeId": 1,

"name": "Clothing"

},

"manufacturer": {

"manufacturerId": 1,

"name": "Rukka"

},

"size": {

"sizeId": 3,

"name": "L"

}

},

"quantity": 3,

"reservationDate": null

},

{

"id": 2,

"product": {

"id": 2,

"title": "Hat",

"color": "Blue",

"stringPrice": "25.99",

"price": 19.99,

"quantity": 13,

"type": {

"typeId": 1,

"name": "Clothing"

},

"manufacturer": {

"manufacturerId": 2,

"name": "Nukka"

},

"size": {

"sizeId": 2,

"name": "M"

}

},

"quantity": 4,

"reservationDate": null

},

{

"id": 3,

"product": {

"id": 3,

"title": "Tennis Balls",

"color": "Yellow",

"stringPrice": "19.99",

"price": 29.99,

"quantity": 10,

"type": {

"typeId": 2,

"name": "Toy"

},

"manufacturer": {

"manufacturerId": 3,

"name": "Wilson Sporting Goods"

},

"size": {

"sizeId": 1,

"name": "S"

}

},

"quantity": 2,

"reservationDate": null

}

]

# HTTP methods

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Http**  **Method** | **Resource EndPoint** | **Input** | **Success Response** | **Description** |
| GET | /api/products | Body: empty | Status: 200  List of products | Retrieves all products |
| GET | /api/manufacturers | Body: empty | Status: 200  list of manufacturers | Retrieves all manufacturers |
| GET | /api/products/clothing | Body: empty | Status: 200  list of all clothing | Retrieves all clothing |
| GET | /api/appusers | Body: empty | Status: 200  list of all users | Retrieves all users |
| GET | /api/appusers/{id} | Body: empty | Status: 200  find users by id | Retrieves users by id |
| GET | /api/reservations | Body: empty | Status: 200  list of all reservations | Retrieves all reservations |