RESTful Shop-Demo API Guide

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Introduction

This document describes all RESTful microservice of this shop demo project.

Overview

HTTP verbs

RESTful notes tries to adhere as closely as possible to standard HTTP and REST conventions in its use of HTTP verbs.

Verb	Usage
GET	Used to retrieve a resource
POST	Used to create a new resource
PATCH	Used to update an existing resource, including partial updates
DELETE	Used to delete an existing resource

RESTful notes tries to adhere as closely as possible to standard HTTP and REST conventions in its use of HTTP status codes.

Status code	Usage
200 OK	The request completed successfully
201 Created	A new resource has been created successfully. The resource's URI is available from the response's Location header
204 No Content	An update to an existing resource has been applied successfully
400 Bad Request	The request was malformed. The response body will include an error providing further information
404 Not Found	The requested resource did not exist

Hypermedia

RESTful Notes uses hypermedia and resources include links to other resources in their responses. Responses are in Hypertext Application from resource to resource. Language (HAL) format. Links can be found beneath the `_links` key. Users of the API should not create URIs themselves, instead they should use the above-described links to navigate

Product REST Service

A `GET` request returns a product.

Path	Type	Description
`productId`	`Number`	The unique identifier of the product
`weight`	`Number`	bla
`name`	`String`	Name of the Product
`_links.weiter.href`	`String`	bla

Example request

```
$ curl 'http://localhost:8080/product/1' -i -H 'Accept: application/hal+json'
```

Example response

```
HTTP/1.1 200 OK
Content-Type: application/hal+json;charset=UTF-8
Content-Length: 105

{"productId":1,"name":"name","weight":123,"_links":{"weiter":{"href":"http://localhost
:8080/product/2"}}}
```