# TD 12 : Les ressources API

## Objectifs :

* Rendre notre API robuste
* Se rapprocher du model de Richardson niveau 3

## Ressources :

* <https://laravel.com/docs/9.x/eloquent-resources>

Grace aux ressource API faire en sorte que notre api nous retourne les informations avec les relations

Pour les collections, nous ajoutons :

* Une clef links avec les liens vers l'action create (si elle existe)
* La pagination (modification dans le repository)

Pour les resources, nous ajoutons :

* Une clef links avec les liens vers l'action de modification (si elle existe)
* Une clef meta avec lien vers l'action index et create (si elles existent)

Documentation de l’api attendu à coller dans le site https://editor.swagger.io/ :

openapi: 3.0.2

info:

title: E-Commerce

version: 1.0.0

servers:

- url: http://localhost:8000

paths:

/api/products:

get:

tags:

- Product

summary: Liste des produits

parameters:

- name: page

in: query

description: Page

required: false

schema:

type: string

responses:

'200':

description: Successful response

content:

application/json:

schema:

type: object

properties:

data:

type: array

items:

$ref: '#/components/schemas/Product'

links:

$ref: '#/components/schemas/ProductLinks'

meta:

$ref: '#/components/schemas/ProductMeta'

post:

tags:

- Product

summary: Creer un nouveau produit

requestBody:

content:

application/json:

schema:

$ref: '#/components/schemas/StoreProduct'

responses:

'201':

description: Successful response

/api/products/{product}:

get:

tags:

- Product

summary: Consulter un produit

parameters:

- name: product

in: path

description: Slug du produit

required: true

schema:

type: string

responses:

'200':

description: Successful response

content:

application/json:

schema:

type: object

properties:

data:

$ref: '#/components/schemas/Product'

meta:

type: object

properties:

index:

default: http://127.0.0.1:8000/api/products

type: string

create:

default: api\_product\_create

type: string

components:

schemas:

ProductSize:

type: object

properties:

id:

type: integer

code:

type: string

libelle:

type: string

stock:

type: integer

StoreProduct:

type: object

properties:

title:

type: string

description:

type: string

price\_in\_cents:

type: integer

category:

type: string

sizes:

type: array

items:

type: string

ProductMeta:

type: object

properties:

current\_page:

default: 1

type: integer

from:

default: 1

type: integer

last\_page:

default: 1

type: integer

links:

type: array

items:

type: object

properties:

url:

type: string

label:

type: string

active:

type: string

path:

default: http://127.0.0.1:8000/api/products

type: string

per\_page:

default: 15

type: integer

to:

default: 15

type: integer

total:

default: 15

type: integer

ProductLinks:

type: object

properties:

self:

default: http://127.0.0.1:8000/api/products?page=3

type: string

create:

default: http://127.0.0.1:8000/api/products

type: string

first:

default: http://127.0.0.1:8000/api/products?page=1

type: string

last:

default: http://127.0.0.1:8000/api/products?page=1

type: string

prev:

default: http://127.0.0.1:8000/api/products?page=2

type: string

next:

default: http://127.0.0.1:8000/api/products?page=4

type: string

Product:

type: object

properties:

id:

default: 0

type: integer

title:

type: string

slug:

type: string

category:

$ref: '#/components/schemas/Category'

sizes:

type: array

items:

$ref: '#/components/schemas/ProductSize'

description:

type: string

price\_in\_cents:

default: 0

type: integer

created\_at:

format: date-time

type: string

updated\_at:

format: date-time

type: string

links:

type: array

items:

type: object

properties:

update:

default: http://127.0.0.1:8000/api/products/lorem-ipsum

type: string

Category:

type: object

properties:

id:

default: 0

type: integer

libelle:

type: string

slug:

type: string

created\_at:

format: date-time

type: string

updated\_at:

format: date-time

type: string

tags:

- name: Product

description: Gestion des produits