→

Enhance your API navigation

WITH HATEOAS

Ismaïl NGUYEN

A software craftsman

Hate what??

Hypermedia as the Engine of Application State

HATEOAS is a constraint of the REST application architecture.

A hypermedia-driven site provides information to navigate the site's REST interfaces dynamically by including hypermedia links with the responses.

REST without HATEOAS

Let's take an example of a basic shopping cart payload.

```json
{
    "cart": {
        "totalPrice": {
            "amount": 234.54,
            "currency": "HKD"
        }
    }
}
```

REST *with* HATEOAS

Now let's add some links to navigate the API.

```json
{
    "cart": {
        "totalPrice": {
            "amount": 234.54,
            "currency": "HKD"
        },
        "links": {
            "self": {
                "href": "/cart",
                "method": "GET"
            },
            "addProduct": {
                "href": "/cart/products",
                "method": "POST"
            },
            "addDiscount": {
                "href": "/cart/discounts",
                "method": "POST"
            },
            "items": [
                {
                    "href": "/cart/items/4385-234324-109",
                    "method": "GET"
                },
                {
                    "href": "/cart/items/2341-123958-948",
                    "method": "GET"
                },
                {
                    "href": "/cart/items/5893-639822-593",
                    "method": "GET"
```