

# Vilnius PHP meetup

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# Conditional requests

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# **A bit about me:**

**Backend developer  
(still suffering CSS 1.0 trauma)**

**Mostly PHP, Ruby & NodeJS  
More recently on Laravel**

**Living in Berlin**

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# About Oberlo:

**Oberlo is a Shopify company**

**We are a marketplace for merchants who want to start and grow their dropshipping business**

**<https://shopify.com/careers>**

```
if ($response->getStatusCode() === 412 ||  
$response->getStatusCode() < 400) {  
    echo ":-)";  
} else {  
    echo ":-(";  
}
```

```
// 412 is the only 4xx code that I like
```

## What does a 412 status code mean?

“One or more conditions given in the request header fields *[might be]* evaluated to false when tested on the server.

This response code allows the client to place preconditions on the current resource state (its current representations and metadata) and, thus, prevent the request method from being applied if the target resource is in an unexpected state.”

Source: <https://httpstatuses.com/412>

## **HTTP codes**

**304 (not modified) and  
412 (precondition failed)**

**are actually very similar**

## When can I set a 412 response code ?

- DELETE, GET, HEAD, PATCH, PUT, POST
- Having a resource
- The following headers : If-(None-)Match / If-(Un)modified-Since



**It's all about the state of the  
resource!**

# Possible cases:

- Only UPDATE/PATCH a resource if its hash or modification date match the ones set in the request
- Only GET a resource matching your criteria
- ...

# **In other words**

- **Have resource versioning check out of the box**
- **Only update a resource from one state to the other**

# Async tasks

**Not because you dispatch an async Task J1, then another task J2...**

**...that J1 will be executed before J2**

# Theory is nice but...

## Let's see that in code

[illegible]

**“Request preconditions help ensure state update consistency for a resource.”**

**It's a simple mechanism to implement and use.**

**More infos:**

**<https://tools.ietf.org/html/rfc7232#section-4.2>**

**<https://goo.gl/xvmtEF>**

# Questions?



Thanks!

Ačiū!

