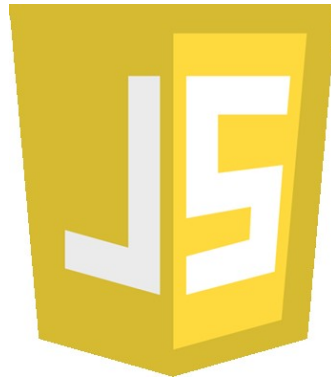# Javascript Training

Case 7: Ajax requests

Case 7

Ajax requests

▶ Ajax

▶ XMLHttpRequest

▶ JQuery

▶ Get, Post

Atos

Case 7

Ajax requests

Ajax

▶ Asynchronous JavaScript and XML
▶ Dynamisch
▶ Geen refresh nodig
▶ JSON

Atos

Case 7

Ajax requests

XMLHttpRequest

```javascript
var request = new XMLHttpRequest();

request.onreadystatechange = function() {
    if (request.readyState == 4 && request.status == 200)
    {
        document.getElementById("page").innerHTML = request.responseText;
    }
};

request.open("GET", "test.html", true);
request.send();
```

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Case 7

Ajax requests

XMLHttpRequest

▶ ReadyState
- 0: request not initialized
- 1: server connection established
- 2: request received
- 3: processing request
- 4: request finished and response is ready

▶ Status
- 200: "OK"
- 404: Page not found

AtoS

Case 7

Ajax requests

Jquery load

```javascript
$('#page').load("todoPage.html", function() {
    // successcallback
});
```

```javascript
$("#page").load("todoPage.html", function(responseText, statusText, xhr)
{
    if(statusText == "success")
        alert("Successfully loaded the content!");
    if(statusText == "error")
        alert("An error occurred: " + xhr.status + " - " + xhr.statusText);
});
```

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Case 7

Ajax requests

Ajax get

```javascript
$.ajax({
    dataType: "json",
    url: url,
    data: data,
    success: success
})

$.getJSON( url, function( data ) {
    // doe iets met data
});

$.getJSON( url)
    .done(function(data){
        // doe iets met data
    })
    .fail(function(){

    });
```

Case 7

Ajax requests

Ajax post

```javascript
$.ajax({
    type: "POST",
    url: url,
    data: data,
    success: success,
    dataType: dataType
});

$.ajax(url, {
    data: todo,
    method: 'POST',
    dataType: 'json'
}).done(successCallBack).fail(failCallBack);
```

Atos