

HTTP Requests with XMLHttpRequest



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History of XMLHttpRequest (XHR)

2001

Internet Explorer 5.0

XHR as ActiveX object

2002

Other browsers

Ship with XHR

2005

Jesse J. Garrett

Coins term “Ajax”



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Selected XMLHttpRequest Methods

Configure
HTTP request

```
xhr.open(  
'GET', 'api/events')
```

Send
HTTP request

```
xhr.send()
```

Abort
HTTP request

```
xhr.abort()
```



Selected XMLHttpRequest Properties

`readyState`

`status`

`statusText`

`responseText`

`responseXML`



GET Requests with XMLHttpRequest

```
const xhr = new XMLHttpRequest();
xhr.open(
  'GET',
  'api/events',
  true);
xhr.onload = () => console.log(xhr.responseText);
xhr.send(null);
```



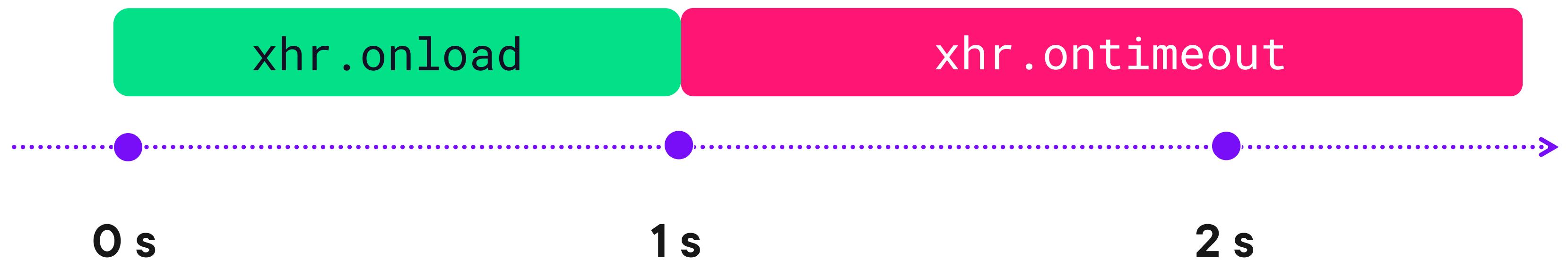
```
const xhr = new XMLHttpRequest();
xhr.open('POST', 'api/cart', true);
xhr.setRequestHeader('Content-Type', 'application/json');
xhr.onload = () => console.log(xhr.responseText);
xhr.send('{id:42, quantity:1}');
```

POST Requests



Request Timeouts

```
xhr.timeout = 1000;
```



Up Next:

WebSockets

