

AJAX

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- Up until now, our interaction with JavaScript has been mostly limited to: push a button, something happens.
- We still don't have to entirely reload our page, but there is still some degree of user interaction.
- *AJAX (Asynchronous JavaScript and XML)* allows us to dynamically update a webpage even more dynamically.
 - Though, for now, we won't go too crazy!

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var xhttp = new XMLHttpRequest();
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 - This is a function (typically an anonymous function) that will be called when the asynchronous HTTP request has completed, and thus typically defines what is expected to change on your site.

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- XMLHttpRequests have two additional properties that are used to detect when the page finishes loading.
 - The readyState property will change from 0 (request not yet initialized) to 1, 2, 3, and finally 4 (request finished, response ready).
 - The status property will (hopefully!) be 200 (OK).
- Then just make your asynchronous request using the open() method to define the request and the send() method to actually send it.

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 - The `status` property will (hopefully!) be 200 (OK).
- Then just make your asynchronous request using the `open()` method to define the request and the `send()` method to actually send it.
 - There is a slightly different way to do this syntactically with jQuery!

AJAX

```
function ajax_request(argument)
{
    var aj = new XMLHttpRequest();
    aj.onreadystatechange = function() {
        if (aj.readyState == 4 && aj.status == 200)
            // do something to the page
    };

    aj.open("GET", /* url */, true);
    aj.send();
}
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