



WEB TECHNOLOGIES

jQuery AJAX and fetch() methods

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- jQuery provides methods that use XMLHttpRequest internally to make AJAX requests
- The methods are
 - \$.ajax
 - \$.get
 - \$.post
 - \$("elem").load
- In a single method call, the entire functionality of making an AJAX call using XMLHttpRequest and updating the page can be achieved

jQuery AJAX methods

\$.ajax



- Syntax
 - \$.ajax({name:value, name:value, ... })
- Example
 - \$.ajax({url: "demo_test.txt", success: function(result){
 \$("#div1").html(result);
 }});
 - \$.ajax('/jquery/submitData', {
 type: 'POST', // http method
 data: { myData: 'This is my data.' }, // data to submit
 success: function (data, status, xhr) { // success callback function
 \$('p').append('status: ' + status + ', data: ' + data);
 },
 error: function (jqXHR, textStatus, errorMessage) {
 \$('p').append('Error' + errorMessage);
 }
});

jQuery AJAX methods

\$.get



- Syntax

- \$.get(url, [data],[callback]);

- Example

- \$.get('/jquery/getjsondata',
 {name:'Steve'},
 function (data, textStatus, jqXHR) {
 \$('p').append(data.firstName);
 }
);

// url
// request parameters
// success callback function

- Other Variants

- \$.getJSON(url, [data],[callback]);
 - \$.getScript(url, [data],[callback]);

jQuery AJAX methods

\$.post



- Syntax
 - \$.post(url,[data],[callback],[type]);
- Example
 - ```
$.post('/jquery/submitJSONData', // url
 { myData: 'This is my data.' }, // data to be submitted
 function(data, status, jqXHR) { // success callback function
 $('p').append('status: ' + status + ', data: ' + data);
 },
 "json" //response type
);
```
  - Internally uses \$.ajax with method="post"

# jQuery AJAX methods

## \$.load

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- Allows HTML or text content to be loaded from a server and added into an existing DOM element
- Syntax
  - `$( 'selector' ).load( url, [data], [callback], [type] );`
- Example
  - ```
$( '#msgDiv' ).load( 'getData',           // url
                    { name: 'bill' },       // data
                    function( data, status, jqXHR ) { // success callback function
                        console.log( 'data loaded' )
                    }
                );
```

fetch() AJAX method

Introduction



- Starts the process of fetching a resource from the network
- Returns a promise which is fulfilled once the response is available
- The promise resolves to the Response object representing the response to your request
- The promise does not reject on HTTP errors — it only rejects on network errors. You must use **then** handler to check for HTTP errors.
- Syntax

```
const fetchResponsePromise = fetch(resource [, init])
```

fetch() AJAX method

Code Example



```
const mydiv = document.querySelector('.my-div');

fetch('resp.html')           // returns a promise that resolves on response object
.then(function(response) {
    return response.text(); // returns a promise that resolves on text response
})
.then(function(text) {
    mydiv.innerHTML= text;
});
```




THANK YOU

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