

Typical Ajax Call

```
$.ajax({ // $.post, $.get and $.getJSON are preferred
  url: "demo_test.txt",
  type: "GET or POST",
  contentType: "application/x-www-form-urlencoded"
},
{
  contentType: "application/json"
},
complete(xhr, status),
error(xhr, status, error),
success: function(result, status, xhr) {
  $("#div1").html(result);
}
});

var xhttp = new XMLHttpRequest();
xhttp.onreadystatechange = function() {
  // readyState 4 = request finished.
  if (this.readyState == 4 && this.status == 200) {
    // Do Stuff
  }
};
xhttp.open("GET", "url", true);
// var data = JSON.stringify( { "email": "hello@world.com" });
xhttp.send(data or "Query Params ");
```

JQuery AJAX GET POST getJSON Shorthand

```
var request = $.get( // Also $.post or $.getJSON
  "example.php",
  { time: "2pm", color: "red", "choices": ["John", "Susan"] },
  function( data, textStatus, jqXHR ) {
    alert( "success" );
  }).done(function( data, textStatus, jqXHR ) {
    alert( "second success" );
  }).fail(function( data, textStatus ) {
    alert( "error" );
  }).always(function( data, textStatus, jqXHR ) {
    alert( "finished" );
  });
```

\$.post form data can be serialized with: `$("#myform").serialize()`

QueryString params for \$.get can be generated (from a hash) with `$.param(myHash)`

Loading Scripts and Remote Page Fragments

<code>\$("#myDiv").load("demo_test.txt");</code>	loads the content of the file "demo_test.txt" into #myDiv element
<code>\$("#myDiv").load("demo_test.txt #p1");</code>	Parses DOM from demo_test.txt for #p1 and loads content of #p1 into #myDiv
<code>\$.getScript("demo_ajax_script.js");</code>	Load a JavaScript file from the server using a GET HTTP request, then execute it.

JQuery Low Level Interface

<code>\$.ajaxPrefilter()</code>	Handle custom Ajax options or modify existing options before each request is sent and before they are processed by <code>\$.ajax()</code>
<code>jQuery.ajaxSetup()</code>	Set global default values for future Ajax requests. Its use is not recommended.
<code>jQuery.ajaxTransport()</code>	Creates an object that handles the actual transmission of Ajax data

