



JQuery

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Agenda

JQuery

- What is JQuery ?
- Using JQuery
- Syntax
- Events
- Setters and getters
- AJAX
- DOM Loaded
- Type Check
- Effects

- The set of tools used to allow modification and control of the DOM are a bit of mess because they differ across browsers, generally for historical reasons.
- To make your job easier, a number of libraries have been created that hide these differences, providing a more uniform way of interacting with the DOM.
- Often they also provide AJAX functionality, taking the burden of that complexity away from you.
- jQuery is far and away the most popular DOM library and it is used on a huge number of websites.

- Import it in page:

```
<script src="http://cdnjs.cloudflare.com/ajax/libs/jquery/1.9.1/jquery.min.js"></script>
```

- Use the dollar sign '\$':

```
$('.btn').click(function () {  
    // do something  
});
```

- Basic syntax is: `$(selector).action()`
 - A `$` sign to define/access jQuery
 - A (selector) to "query (or find)" HTML elements
 - A jQuery `action()` to be performed on the element(s)
- Examples:
 - `$(this).hide()` - hides the current element.
 - `$("p").hide()` - hides all `<p>` elements.
 - `$(".test").hide()` - hides all elements with `class="test"`.
 - `$("#test").hide()` - hides the element with `id="test"`.

Mouse Events

Keyboard Events

Form Events

Document/Window Events

click	keypress	submit	load
dblclick	keydown	change	resize
mouseenter	keyup	focus	scroll
mouseleave		blur	unload

```
$('.note').css('background', 'red').height(100);
```

```
var currentHeight = $('.note').height(),  
currentColor = $('.note').css('color');
```

```
var $header = $('header'),  
$headerBoxes = $('.note', $header);
```

```
$.get('/data.json', function (data) {
  console.log(data);
}).fail(function () { // Uh oh, something went wrong });
$.post('/save', { username: 'tom' }, function (data) {
  console.log(data);
}).fail(function () { // Uh oh, something went wrong });
$.ajax({
  url: '/save',
  method: 'POST',
  data: { username: 'tom' },
  success: function (data) {
    console.log(data);
  },
  error: function () {
    // Uh oh, something went wrong
  }
});
```



```
var doSomething = function (event) { . . . };  
window.addEventListener('DOMContentLoaded', doSomething);
```

```
$(window).ready(doSomething);
```

```
$(doSomething);
```

```
$.isArray([1, 2, 3]);
```

```
  true
```

```
$.isFunction(function () { });
```

```
  true
```

```
$.isNumeric(10);
```

```
  true
```

```
$.isPlainObject({ name: 'Tom' });
```

```
  true
```

```
$(document).ready(function(){
  $("button").click(function(){
    $("#div1").fadeIn();
    $("#div2").fadeIn("slow");
    $("#div3").fadeIn(3000);
  });
});

$(document).ready(function(){
  $("#flip").click(function(){
    $("#panel").slideDown("slow");
  });
});

$("button").click(function(){
  $("p").hide("slow", function(){
    alert("The paragraph is now hidden");
  }); });
```

THANK YOU!

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