



EVENTS & JQUERY

METHODS

```
$('#heading').text('Your Name');  
$('.main').find('h1').addClass('warning');
```

EVENTS

```
$( 'li' ).on( 'click', function() {  
    // do something  
});
```

SELECTORS

<code>\$('.className')</code>	<i>class selector</i>
<code>\$('#idName')</code>	<i>id selector</i>
<code>\$('h1, h2, h3')</code>	<i>multiple selectors</i>
<code>\$('li a')</code>	<i>descendent selector</i>

<code>\$('h1 > a')</code>	<i>direct child selector</i>
<code>\$('h1 + a')</code>	<i>adjacent sibling selector</i>
<code>\$('h1 ~ a')</code>	<i>general sibling selector</i>

FINDING ELEMENTS

<code>\$('p').find('a');</code>	<i>find descendents</i>
<code>\$('p').children('a');</code>	<i>find children</i>

<code>\$('p').parent('div');</code>	<i>find parent</i>
<code>\$('p').siblings('a');</code>	<i>find siblings</i>

GETTING/SETTING CONTENT

```
$( 'p' ).text( 'Hello' );  
$( 'p' ).html( '<strong>Hello</strong>' );  
$( 'img' ).attr( 'src', 'images/fun.png' );
```

```
$( 'p' ).addClass( 'success' );  
$( 'p' ).removeClass( 'error' );  
$( 'p' ).toggleClass( 'highlight' );
```

EFFECTS/ANIMATION

```
$( 'p' ).show();  
$( 'p' ).hide();  
$( 'div' ).fadeIn( 'slow' );  
$( 'h2 a' ).fadeOut( 'fast' );
```

```
$( 'p' ).slideUp( 350 );  
$( 'p' ).slideDown( 600 );  
$( 'h1' ).slideToggle( 300 );
```

CREATING DOM NODES

	Vanilla JS	jQuery
1. create a new element	<code>document.createElement('li');</code>	<code>\$('')</code>
2. add content to new element	<code>.textContent</code> <code>.innerHTML</code> <code>.src</code> ...	<code>.text()</code> <code>.html()</code> <code>.attr()</code> ...
3. append child node to parent node	<code>parent.appendChild(child);</code>	<code>parent.append(child);</code>

```
const list = document.querySelector('ul');

const listItem = document.createElement('li');
listItem.textContent = 'Orange';
list.appendChild(listItem);

const image = document.createElement('img');
image.src = 'scene1.png';
document.querySelector('#feature').append(image);
```

```
const $list = $('ul');

const $listItem = $('<li>');
$listItem.text('Orange');
$list.append($listItem);

const $image = $('<img>');
$image.attr('src', 'scene1.png');
$('#feature').append($image);
```

EVENT LISTENERS

Vanilla JS

```
element.addEventListener('click', function() {
  // do something
});
```


jQuery

```
element.on('click', function() {
  // do something
});
```

ADVANCED JQUERY

CHAINING

```
$('#<p>');  
$mainCaption.text('Today');  
$captionWithText.addClass('accent');
```



```
$('#<p>').text('Today').addClass('accent');
```

IMPLICIT ITERATION

```
$('#li').each(function() {  
  $(this).removeClass('current');  
});
```





```
$('#li').removeClass('current');
```

EVENT DELEGATION

Event listener set on
parent element

Second argument added to on()
method, specifying child elements
to listen for events on



```
$listElement.on('mouseenter', 'li', function(event) {  
  $(this).siblings().removeClass('active');  
  $(this).addClass('active');  
});
```

ATTACHING MULTIPLE EVENTS WITH A SINGLE .ON() STATEMENT

```
$listElement.on('mouseenter mouseleave', 'li', function(event) {  
  if (event.type === 'mouseenter') {  
    $(this).siblings().removeClass('active');  
    $(this).addClass('active');  
  } else if (event.type === 'mouseleave') {  
    $(this).removeClass('active');  
  }  
});
```