# DOM & JQUERY

## GETTING/SETTING CONTENT

| | |
|---|---|
| `element.innerHTML = 'Hello';` | *text content* |
| `element.src = 'images/fun.png';` | *src attribute value* |
| `element.className = 'success';` | *class attribute value* |
| `element.value = '';` | *input box value* |

## ADDING CONTENT TO THE DOM

| | |
|---|---|
| `document.createElement('li');` | *create a new element of the specified type* |
| `document.createTextNode('Today's Weather');` | *create a node containing specified text* |
| `parent.appendChild(child);` | *append child node to parent node* |

## EVENT LISTENERS

element reference    method to add event listener    type of event

```
button.addEventListener('click', function() {
    // your code here
}, false);
```

function to run when event is triggered

final boolean parameter for backward compatibility

## VANILLA JS VS JQUERY SYNTAX

| Vanilla JS | jQuery | |
|---|---|---|
| `document.querySelector('.intro')` | `$('.intro')` | *select element by selector* |
| `document.querySelectorAll('.intro')` | `$('.intro')` | *select elements by selector* |
| `document.createElement('h1')` | `$('<h1>')` | *create an element* |
| `document.createTextNode('banana')` | `item1.('banana')` | *create a text node* |
| `list.appendChild(item1)` | `list.append(item1)` | *append* |

# JQUERY

## METHODS

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

## EVENTS

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

## SELECTORS

| | |
|---|---|
| `$('.className')` | *class selector* |
| `$('#idName')` | *id selector* |
| `$('h1, h2, h3')` | *multiple selectors* |
| `$('li a')` | *descendent selector* |

| | |
|---|---|
| `$('h1 > a')` | *direct child selector* |
| `$('h1 + a')` | *adjacent sibling selector* |
| `$('h1 ~ a')` | *general sibling selector* |

## FINDING ELEMENTS

| | |
|---|---|
| `$('p').find('a');` | *find descendents* |
| `$('p').children('a');` | *find children* |

| | |
|---|---|
| `$('p').parent('div');` | *find parent* |
| `$('p').siblings('a');` | *find siblings* |

## GETTING/SETTING CONTENT

```
$('p').text('Hello');
```

```
$('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);
```