DOM & JQUERY

DOM MANIPULATION – VANILLA JAVASCRIPT

SELECTING ELEMENTS

`document.querySelector('div')`	*element selector* all div elements
`document.querySelector('.expanded')`	*class selector* all elements with the class value "expanded"
`document.querySelector('#main')`	*id selector* the element with the ID value "main"
`document.querySelector('h1, h2, h3')`	*multiple selectors* all h1 elements and h2 elements and h3 elements
`document.querySelector('li a')`	*descendent selector* all a elements nested within li elements

GETTING/SETTING CONTENT

`element.textContent = 'Hello';`	*text content with HTML stripped out*
`element.innerHTML = '<strong>Hello</strong>';`	*text content, including nested HTML tags*
`element.src = 'images/fun.png';`	*src attribute value*
`element.className = 'success';`	*replace class attribute value*
`element.classList.add('success');`	*add specific class attribute value(s)*
`element.classList.remove('failure');`	*remove specific class attribute value(s)*
`element.classList.toggle('selected');`	*remove existing or add missing class attribute value(s)*
`element.value = '';`	*input box value*

ADDING CONTENT TO THE DOM

`document.createElement('li');`	*create a new element of the specified type*
`parent.appendChild(child);`	*append child node to parent node*

CREATING DOM NODES

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

```
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
});
```

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');
```

```
$('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);
```