

# Intro to jQuery Class Reference

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**The following script is used to add the jQuery library to your site:**

```
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.0.0/jquery.min.js"></script>
```

**jQuery Object:** The \$ object is made for selecting an element and then returning that element node to perform an action on it. Example: `$('#header');`

**Document Ready:** all of your jQuery code should be wrapped in the following `document.ready` so that it doesn't execute before the HTML finishes loading.

```
$(document).ready(function(event) {  
    // jQuery code  
});
```

## Selecting Elements

The great thing about jQuery is how easy it is to select HTML elements.

The syntax is pretty simple for selecting an HTML element:

```
$('#footer');           // selects element with footer ID  
$('.container');       // selects element with container class
```



**Get/Set attributes:** The below code shows you how to get and set the `alt` attribute of the `img` tag

```
$('img').attr('alt');    // Gets the value of the alt attribute  
$('img').attr('alt', 'Wild kangaroo'); // Sets the value of the alt attribute
```

## Changing class names:

```
$('ul li').addClass('list-item');  
$('p').removeClass('highlight');  
$('button').toggleClass('active');
```

1. The first one adds a CSS class `.list-item` to all `li` elements in a `ul`
2. The second one removes the CSS class `.highlight` from all `p` tags in the HTML
3. The third one checks if the button has the CSS class `.active`, then it removes it. If it doesn't have it, it adds that class

The **`.css()` method** can handle any CSS changes in jQuery.

```
$('h1').css('font-size', '30px');
```

```
$('#header').css({  
    height: '300px',  
    background: '#333'  
});
```

**Events:** The click event is a method that gets triggered whenever someone clicks on the HTML element that is declared at the beginning of the click event method.

```
$('button').click(function(event) {  
    $('#header').css('background-color', 'blue');  
});
```

In the above jQuery, we are creating an event that will go off whenever clicks on a button HTML element. When they click on it, this method will go after the element with an ID of header and change its background color to blue.