



# FEWD Week 5 • Class 8: jQuery Introduction





**Review Time!**

# What We'll Cover

- What is jQuery?
- jQuery Syntax
- Adding, Removing and Toggling Classes
- Chaining Methods
- Strings vs. Numbers vs. Booleans
- Using 'this'

# Introducing jQuery

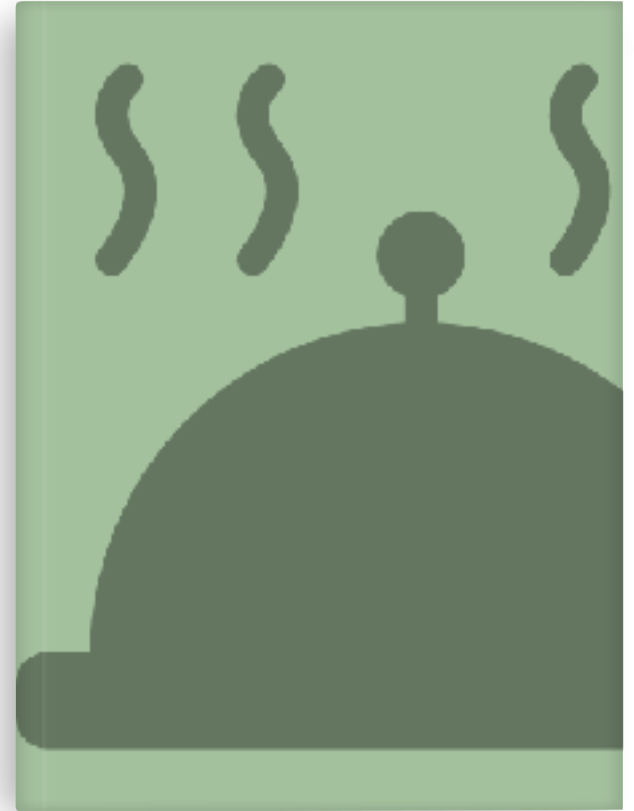
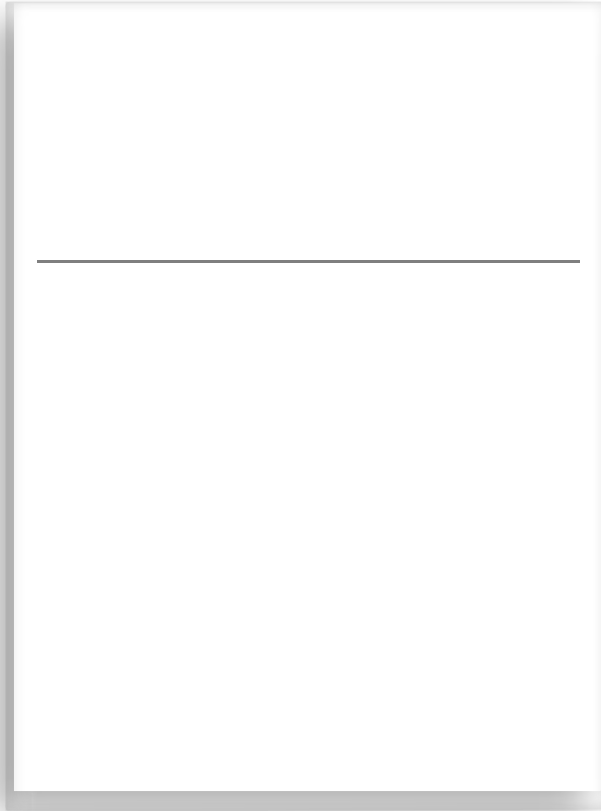
# Objectives

- Understand what jQuery is
- Understand why we use jQuery
- Understand how we use jQuery

# jQuery is Javascript

jQuery is a popular **Javascript library** that offers a more concise and intuitive way to write Javascript code for common tasks.

# jQuery Library



# Using jQuery

```
helper functions() {  
  all.written.in.Javascript  
}  
...
```



```
<html>  
<head>  
  <title>My Webpage</title>  
</head>  
<body>  
  <h1>Cool Page</h1>  
  
  <script src="jquery.js">  
  </script>  
  
  <script>  
  
    /* Our scripts refer  
    to the helper functions */  
  
    $('element').helper()  
  </script>  
  ...
```





# jQuery is More Concise

Javascript:

```
document.querySelectorAll('.link')
```

```
document.getElementById('menu')  
  .addEventListener('click',  
    function() {  
      /* do something here */  
    })  
)
```

jQuery:

```
$('.menu')
```

```
$('#menu').click(function(){  
  /* do something here */  
})
```

# jQuery is More Intuitive

Javascript:

```
document.querySelectorAll('div .foo').forEach(element => {  
    element.style.display = "none";  
});
```

jQuery:

```
$('div .foo').hide();
```

# Addresses Browser Inconsistencies

Much older browsers (specifically older versions of Internet Explorer) didn't follow the standards, but this is much less of a concern today.



# Loading jQuery

# Loading jQuery

1. Go to: <https://code.jquery.com>
2. Choose the latest version of jQuery (currently 3.3.1) and click the link for the *minified* package (not slim minified)
3. Copy the script tag in the modal window
4. Paste it in your web page *before the closing body tag*

# Check if jQuery is loaded

Open the developer tools and in the console type

```
$ === jQuery
```

**Show Me the \$**

# jQuery Basic Syntax

```
<script>

/* Don't forget to wrap your code in script tags
   You cannot put your code in the script tags that
   you use to load jQuery! */

$( 'selector' ).action();

</script>
```

► **HEADS UP:** The selector goes in **quotes**. Single or double quotes are allowed.



# jQuery Methods

Methods are the actions. They are like the verbs in a sentence.

```
$( 'body' ).addClass( 'menu-open' );
```



# Working with Class Methods

# Strings vs. Numbers

In Javascript, all strings (text) are surrounded by quotes.

Numbers do not get quotes



# Working with the Console

**Go Build Awesome Things!**