



# CORE JQUERY

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# AGENDA

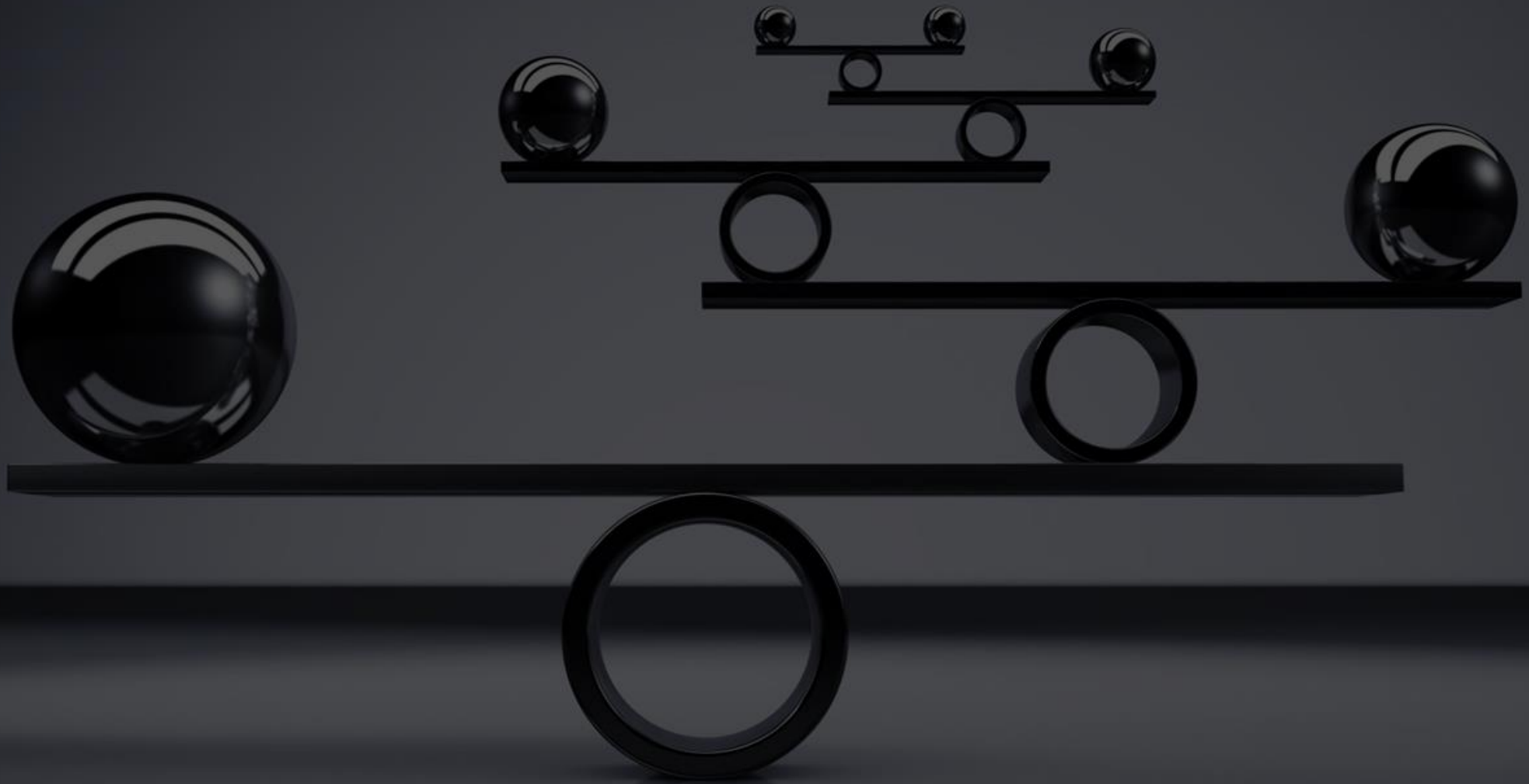
A high-level overview  
of jQuery core



# WHY USE JQUERY

Make front-end  
development easier.





EASY DOM  
MANIPULATION

TL;DR

# JQUERY: LOADING

`<script>`  
`<link>`



# Current Active Support

## Desktop

- Chrome: (Current - 1) and Current
- Edge: (Current - 1) and Current
- Firefox: (Current - 1) and Current, ESR
- Internet Explorer: 9+
- Safari: (Current - 1) and Current
- Opera: Current

Support



**DOM READY**

Use the  
DOMContentLoaded  
event

# CORE FEATURES

Event binding, DOM selection and UI controls





# example

```
getElementById("target")  
    .style.display = "block";  
$( '#target' ).show();
```

```
getElementById("target")  
    .innerHTML = "<b>hi</b>";  
$( '#target' ).html("<b>h</b>");
```

jQuery object

(CSS Selector)  
the target

```
// Sets up click behavior on all button elements with the alert class  
// that exist in the DOM when the instruction was executed  
$( "button.alert" ).on( "click", function() {  
    console.log( "A button with the alert class was clicked!" );  
});
```

Event  
(What you are  
interested in)

(Event Handler)  
the callback



# CSS MANIPULATION

---

```
$( 'CSS Selector goes  
here' ).[DO SOMETHING]
```



# JQUERY AND CSS

```
$(‘selector’).css(‘target’, ‘value’);  
const hVal = $(‘selector’).css(‘height’);
```



# EVENTS


Most/All events are  
available for use with  
jQuery

[tutorialsteacher.com/jquery/jquery-event](https://tutorialsteacher.com/jquery/jquery-event)  
use the `on()` API

*The use of the older methods – like ‘`bind()`’  
is not recommended. (It is an ancient version  
of jQuery’s API methods.)*

# EXAMPLES USING ON()

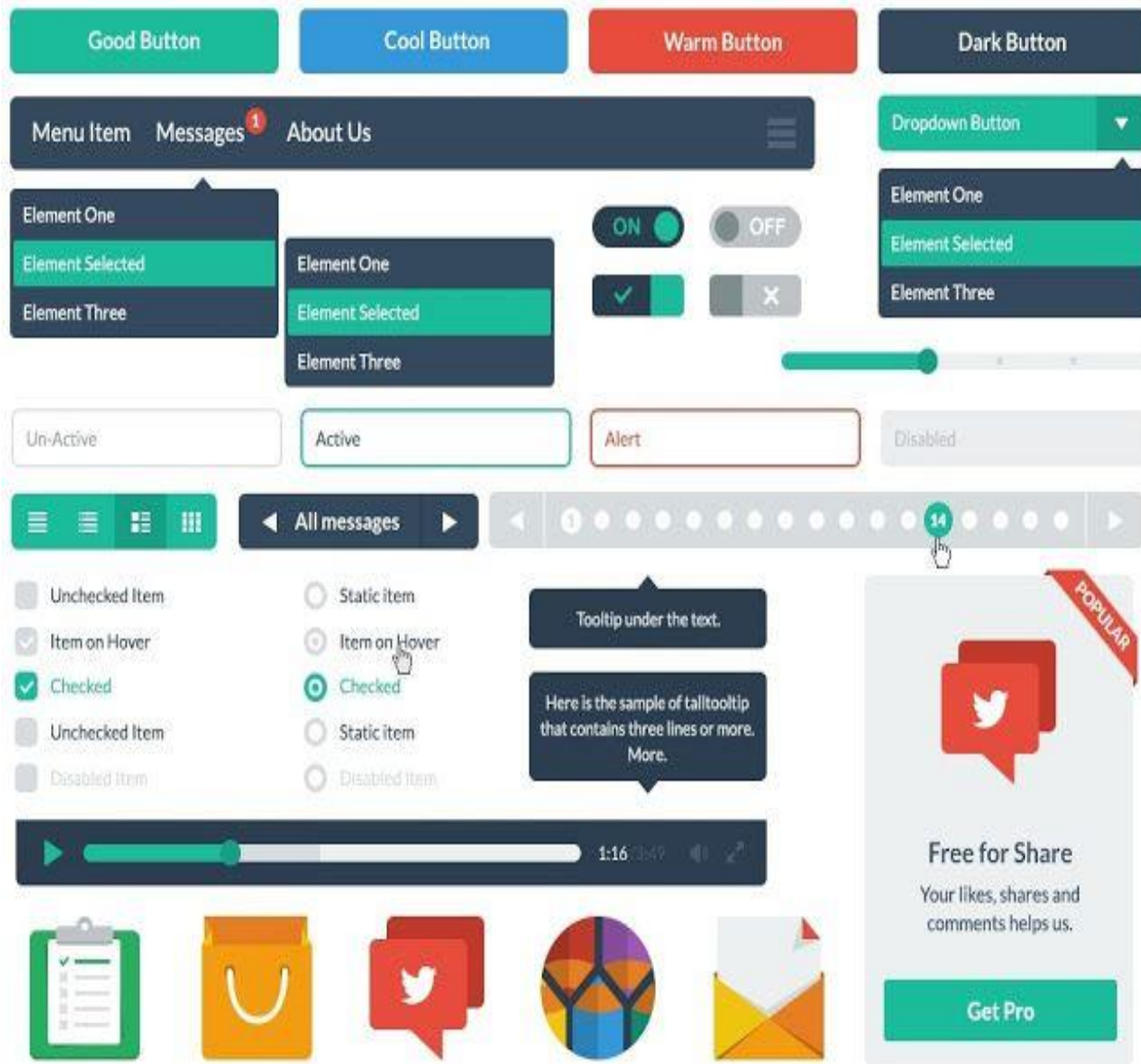
```
1 | $( "p" ).on( "click", function() {  
2 |     alert( $( this ).text() );  
3 | });
```



```
1 | function notify() {  
2 |     alert( "clicked" );  
3 | }  
4 | $( "button" ).on( "click", notify );
```







Just a sampling...

# UI controls



```
1 <!doctype html>
2 <html lang="en">
3 <head>
4   <meta charset="utf-8">
5   <title>css demo</title>
6   <style>
7     p {
8       color: blue;
9       font-weight: bold;
10      cursor: pointer;
11    }
12  </style>
13  <script src="https://code.jquery.com/jquery-3.5.0.js"></script>
14 </head>
15 <body>
16
17 <p>
18   Once upon a time there was a man
19   who lived in a pizza parlor. This
20   man just loved pizza and ate it all
21   the time. He went on to be the
22   happiest man in the world. The end.
23 </p>
24
25 <script>
26 var words = $( "p" ).first().text().split( /\s+/ );
27 var text = words.join( "</span> <span>" );
28 $( "p" ).first().html( "<span>" + text + "</span>" );
29 $( "span" ).on( "click", function() {
30   $( this ).css( "background-color", "yellow" );
31 });
32 </script>
33
34 </body>
35 </html>
```

# CSS EXAMPLES



```
1 <!doctype html>
2 <html lang="en">
3 <head>
4   <meta charset="utf-8">
5   <title>css demo</title>
6   <style>
7     p {
8       color: green;
9     }
10  </style>
11  <script src="https://code.jquery.com/jquery-3.5.0.js"></script>
12 </head>
13 <body>
14
15 <p>Move the mouse over a paragraph.</p>
16 <p>Like this one or the one above.</p>
17
18 <script>
19 $( "p" )
20   .on( "mouseenter", function() {
21     $( this ).css({
22       "background-color": "yellow",
23       "font-weight": "bolder"
24     });
25   })
26   .on( "mouseleave", function() {
27     var styles = {
28       backgroundColor : "#ddd",
29       fontWeight: ""
30     };
31     $( this ).css( styles );
32   });
33 </script>
34
35 </body>
36 </html>
```





```
1 <!doctype html>
2 <html lang="en">
3 <head>
4   <meta charset="utf-8">
5   <title>css demo</title>
6   <style>
7     div {
8       width: 20px;
9       height: 15px;
10      background-color: #f33;
11    }
12  </style>
13  <script src="https://code.jquery.com/jquery-3.5.0.js"></script>
14 </head>
15 <body>
16
17 <div>click</div>
18 <div>click</div>
19
20 <script>
21 $( "div" ).on( "click", function() {
22   $( this ).css({
23     width: function( index, value ) {
24       return parseFloat( value ) * 1.2;
25     },
26     height: function( index, value ) {
27       return parseFloat( value ) * 1.2;
28     }
29   });
30 });
31 </script>
32
33 </body>
34 </html>
```

# CDN 'S



`cdnjs.com/libraries`

`code.jquery.com`

`developers.google.com/speed/libraries#libraries`



# | READY() ?

When your DOM is  
ready to be  
manipulated.