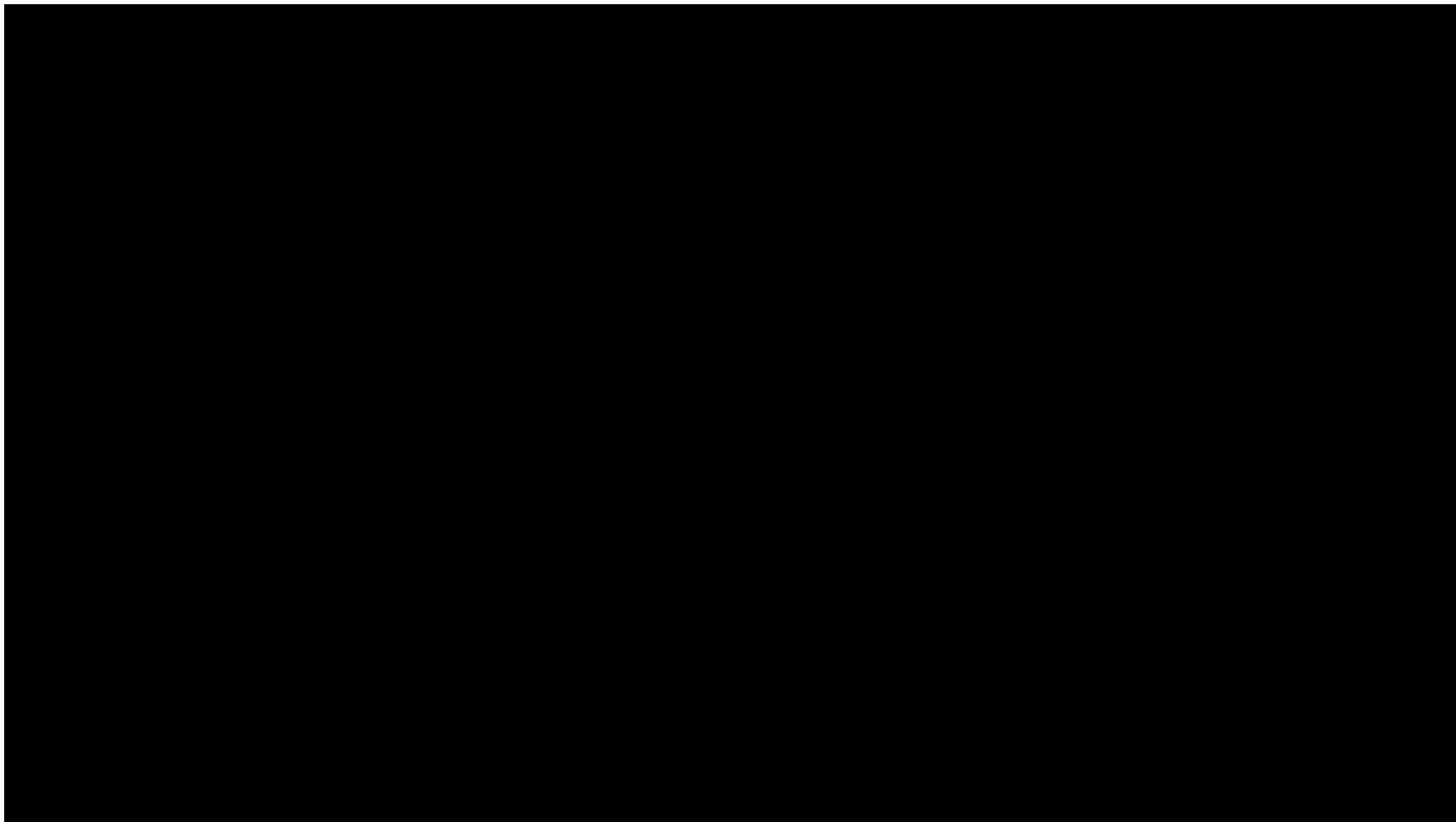


# Intro to jQuery



*(no relation to jQuery but so awesome)*

# jQuery

- a javascript library that simplifies a lot of js programming
- wraps code so useful/typical tasks can be accomplished with a lot less code
- widely used (pretty much industry standard)
- many plug-ins and code demos

# Include jQuery locally:

```
<head>  
<script src="js/jquery-1.11.1.min.js"></script>  
</head>
```

# Include jQuery via CDN:

```
<head>  
<script src="http://ajax.googleapis.com/ajax/libs/jquery/1.11.1/  
jquery.min.js"></script>  
</head>
```

# \$

jQuery uses \$ to simplify code.

It refers to the jQuery object (\$ is the same as jQuery):

```
$ ( "div" ) .addClass ( " .special" );
```

```
jQuery.addClass ( " .special" );
```

# Document Ready

jQuery has a function to test if the document is ready to be used.

```
$(document).ready(function() {  
    // Your jQuery code goes in here  
});
```

# Events

jQuery integrates events such as click, mouse pressed, window resized:

```
$ ( "p" ) .click ( function ( ) {  
    $ ( this ) .hide ( ) ;  
} ) ;
```

# Common Events

click

keypress

submit

load

dblclick

keydown

change

resize

mouseenter

keyup

focus

scroll

mouseleave

blur

unload

# Effects

jQuery has a number of effects for creating dynamic web pages:

hide

show

animate

fade

slide



# Effects

```
<script>
<head>
$(document).ready(function(){
    $("#myButton").click(function(){
        $("#Hello").toggle();
    });
});

</script>

</head>

<body>
    <button id="myButton">click me</button>
    <div id="Hello">hello world</div>
</body>
```

```
$( "#book" ).animate({  
    opacity: 0.25,  
    left: "+=50",  
    height: "toggle"  
}, 5000, function() {  
    // Animation complete.  
});
```

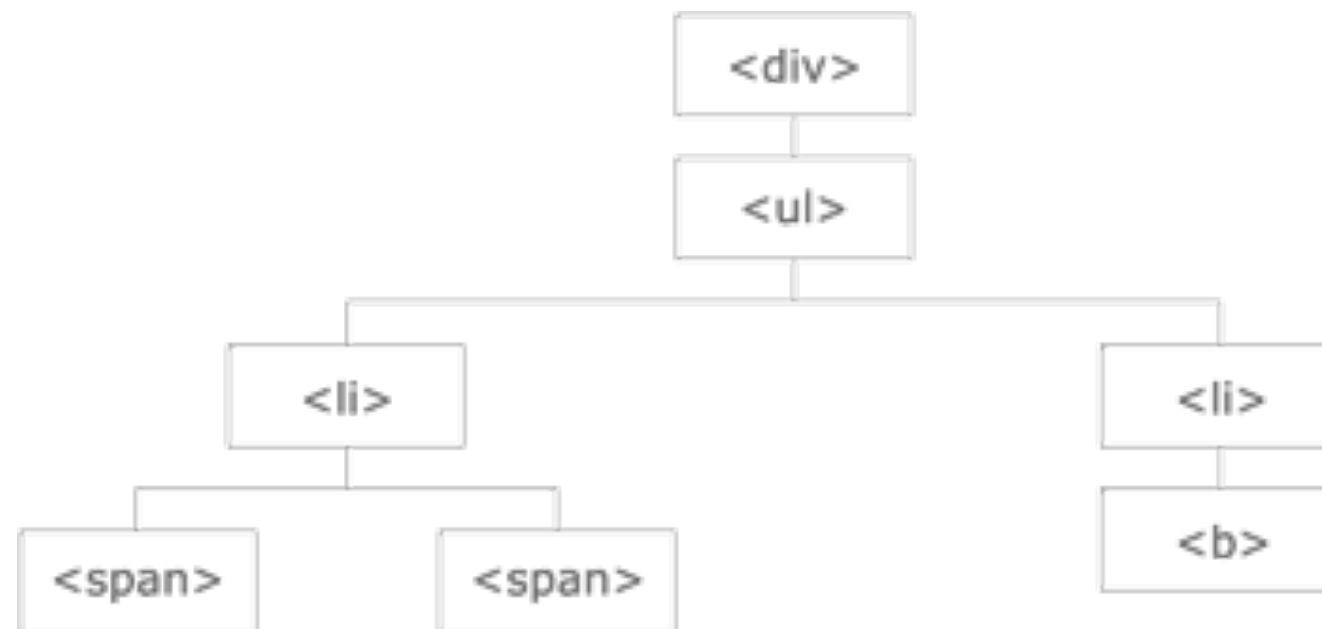
# Chaining

jQuery allows actions to be chained together.

```
$(document).ready(function(){  
    $("#p1").css("color","red").slideUp(2000);  
});
```

# Parents, children, siblings

jQuery allows us to apply actions to elements using relative properties  
- a tag's parent, sibling, children etc.



```
$("ul").parent(); // ul parent is div in this case  
$("li").children(); // span and b tags
```

# Filters

first - first element found

last - last element found

eq - element at index

filter - filter by some parameter

not - exclude

```
$(document).ready(function() {  
    $("p").filter(".intro");  
});
```

```
$(document).ready(function() {  
    $("p").eq(1);  
});
```

# Get and Set

Retrieve and alter text, values and html.

**val** - Get the current value of the first element in the set of matched elements.

**text**- Get the combined text contents of each element in the set of matched elements

**html** - Get the HTML contents of the first element in the set of matched elements.

**attr** - gets attributes of an element tag

```
$("#info").text("Hello World");
```

```
var str = $("#info").text();
```

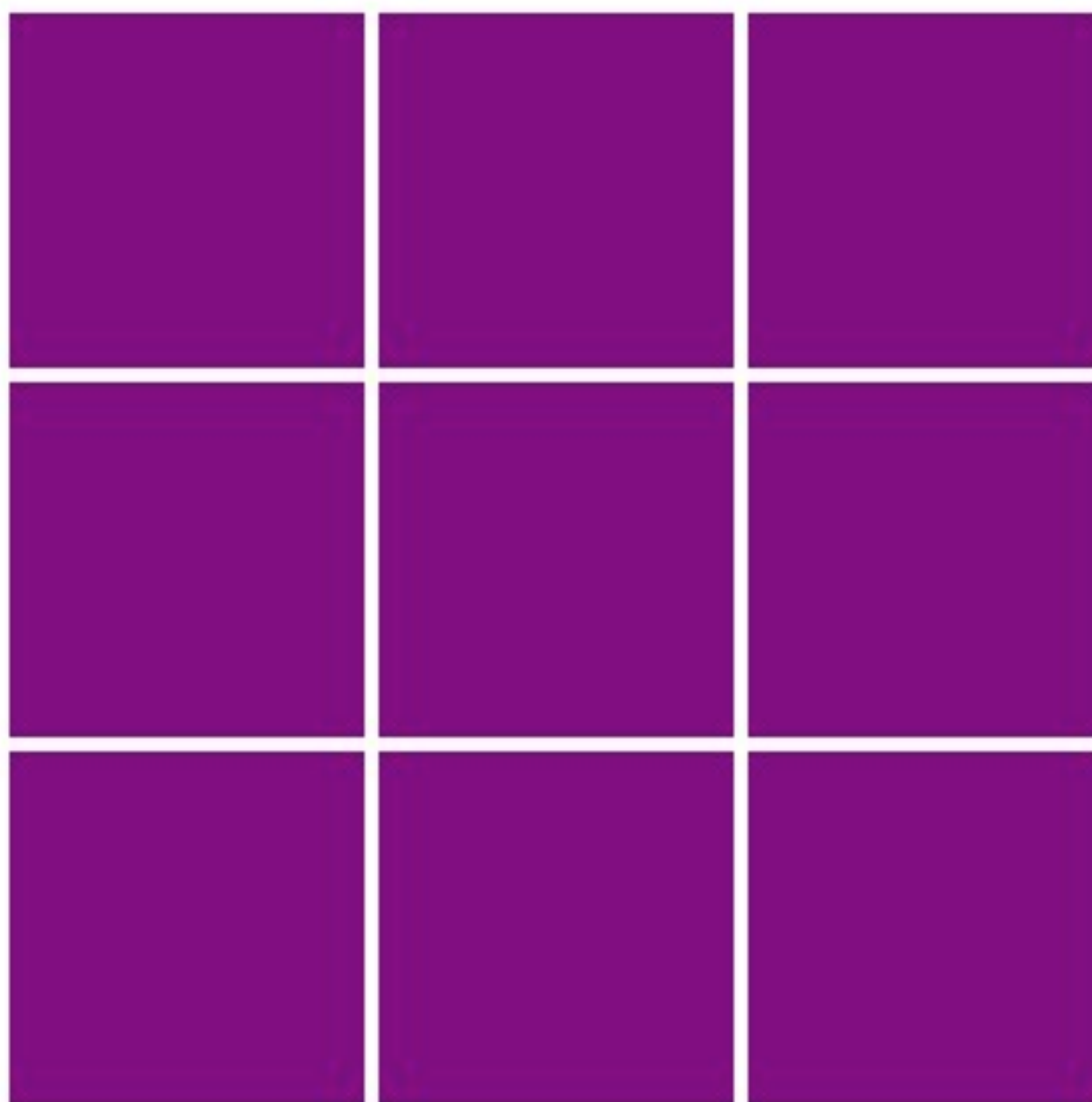
```
var inVal = $("button#name").val();
```

# MAD LIBS®

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