

# CSS3 & jQuery for Designers

# Hello!

What I'll be  
teaching today

Why this is  
important to learn

...and why you are awesomer  
than other web designers

How I'll be teaching  
this class

First of all...  
HTML5?

How to create a HTML5 site  
in one line of code...

<!DOCTYPE html>



# A collection of new features for HTML

# HTML5's new features

- New semantic tags, e.g. <nav>, <article>, <footer>
- Audio and video capacity
- Canvas
- Geolocation
- Drag and drop
- History APIs
- Offline mode
- Data storage and File APIs

Do I *reeeeally* need to  
know this stuff though?

So, this CSS3 business.

# What you'll learn about CSS3

- Colours
- Text shadow
- Border radius
- Gradients
- Box shadow
- Fonts
- Transforms
- Transitions
- Animation

# What you won't learn

- Generated content
- Multi-backgrounds
- Image borders
- Background sizing
- Reflections
- Masking
- New measurement units
- Improved text flows
- Multi column layouts
- Responsive design

# Beware: Experimental Stuff

```
-webkit-box-sizing: border-box;  
  -moz-box-sizing: border-box;  
    -ms-box-sizing: border-box;  
      -o-box-sizing: border-box;  
        box-sizing: border-box;
```



```
-webkit-box-sizing: border-box;  
  -moz-box-sizing: border-box;  
    -ms-box-sizing: border-box;  
      -o-box-sizing: border-box;  
        box-sizing: border-box;
```

```
-webkit-box-sizing: border-box;
```

But don't do this on live  
sites, okay???

Or someone may kill kittens.

Let's begin!

# Colours

# Text shadow

# Box shadow

# Border radius



# Gradients

# Fonts

# Transitions

# Transforms

# Animations

# Putting it together

A commerial break

# jQuery?



jQuery stops you writing  
a lot of code for simple things  
all the time

```

addClass: function( value ) {
    var classNames, i, l, elem,
        setClass, c, cl;

    if ( jQuery.isFunction( value ) ) {
        return this.each(function( j ) {
            jQuery( this ).addClass( value.call(this, j, this.className) );
        });
    }

    if ( value && typeof value === "string" ) {
        classNames = value.split( rspace );

        for ( i = 0, l = this.length; i < l; i++ ) {
            elem = this[ i ];

            if ( elem.nodeType === 1 ) {
                if ( !elem.className && classNames.length === 1 ) {
                    elem.className = value;

                } else {
                    setClass = " " + elem.className + " ";

                    for ( c = 0, cl = classNames.length; c < cl; c++ ) {
                        if ( !~setClass.indexOf( " " + classNames[ c ] + " " ) ) {
                            setClass += classNames[ c ] + " ";
                        }
                    }
                    elem.className = jQuery.trim( setClass );
                }
            }
        }
    }

    return this;
},

```

## How to add a class in pure Javascript

```
$(“a”).addClass(“hello”);
```

# What's in jQuery?

- Selecting
- Attributes
- Traversing
- Manipulation
- Events
- Animation
- Ajax
- JS Utilities

# Bo Selector.



# Just a function.

The \$ doesn't mean anything special.

# What does it mean?

Double rainbow?



Uses CSS engine to pick  
elements from the HTML

```
#header ul li {  
    background: #eee;  
}
```

```
$(“#header ul li”)
```

```
#header ul li {  
    background: #eee;  
}
```



```
$("#header ul li")
```

```
#header ul > li a:nth-child(2n) {  
    background: #eee;  
}
```

```
$(“#header ul > li a:nth-child(2n)”)
```

```
$("#header ul li").addClass("selected");
```

```
$("#h1").css("color", "black");
```

```
$("#img").attr("src", "cat.jpg");
```

```
$(“h1”).css(“color”, “black”)
        .addClass(“selected”)
        .fadeIn(500);
```

```
$(“h1”).parent()  
    .next()  
    .find(“li”)  
    .addClass(“selected”);
```

```
$(“h1”).on(“click”, function () {  
    // Do something when clicked  
});
```



# Examples

# Tools worth using

# Modernizr

<http://modernizr.com/>

```
body.rgba h1 {  
    color: rgba(...);  
}
```

```
body.no-rgba h1 {  
    color: #000;  
}
```

```
if (Modernizr.rgba) {  
    // has rgba  
} else {  
    // no rgba  
}
```

# SASS

<http://sass-lang.com/>

```
h1 {  
  color: #f00;  
}
```

```
h1 a {  
  color: #000;  
}
```

```
h1 {  
  color: #f00;  
  
  a {  
    color: #000;  
  }  
}
```

# Coffeescript

<http://coffeescript.org/>

```
$(“h1”).on(“click”, function () {  
    $(this).addClass(“selected”);  
})
```

```
$(“h1”).on “click”, ->  
    $(@).addClass “selected”
```



# Codekit

<http://incident57.com/codekit/>

In closing

Thanks!

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