Introducing

jQuery

Because **programming** is **hard**

What is jQuery?

a **JavaScript library** that...

eliminates browser differences

simplifies common tasks

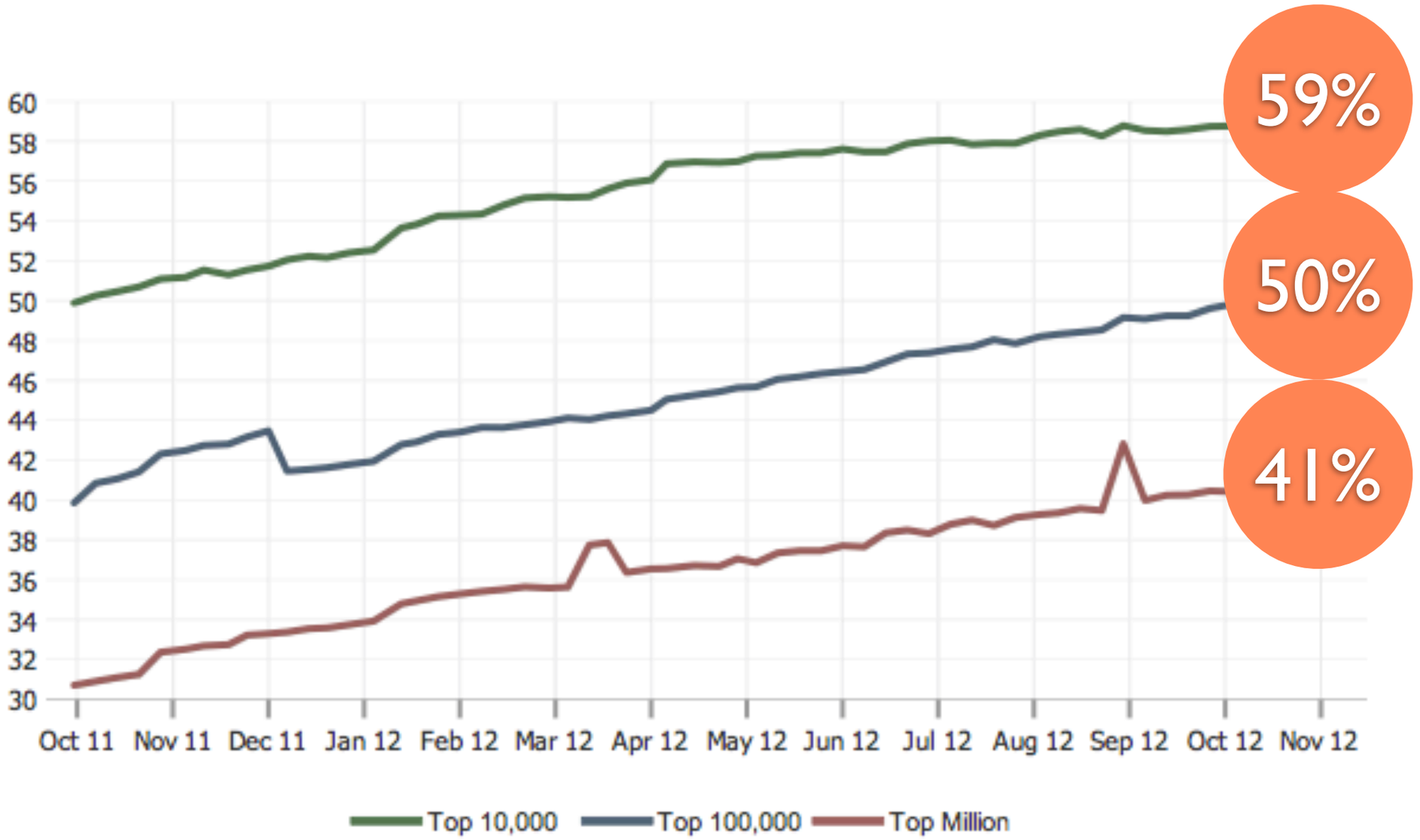
is friendly to web designers

has loads of plugins

used in over 41% of sites

jQuery Usage Trends

JQuery is a fast, concise, JavaScript Library that simplifies how you traverse HTML documents, handle events, perform animations, and add Ajax interactions to your web pages. jQuery is designed to change the way that you write JavaScript.



http://trends.builtwith.com/javascript/jQuery

jQuery Basics

Load the jQuery file

```
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<title>My Web Page</title>
<link href="css/main.css" rel="stylesheet">
<script src="js/jquery-1.9.1.min.js"></script>
</head>
```

place after any CSS

path to file...

jQuery Basics

Add **script** tags

```
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<title>My Web Page</title>
<link href="css/main.css" rel="stylesheet">
<script src="js/jquery-1.8.3.min.js">
</script>
<script>




</script>
</head>
```

jQuery Basics

Add the **ready** function

```
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<title>My Web Page</title>
<link href="css/main.css" rel="stylesheet">
<script src="js/jquery-1.8.3.min.js">
</script>
<script>
$(document).ready(function() {


});
</script>
</head>
```

your JavaScript goes here

wait!

```
$(document).ready(function() {

});
```

until the page is ready

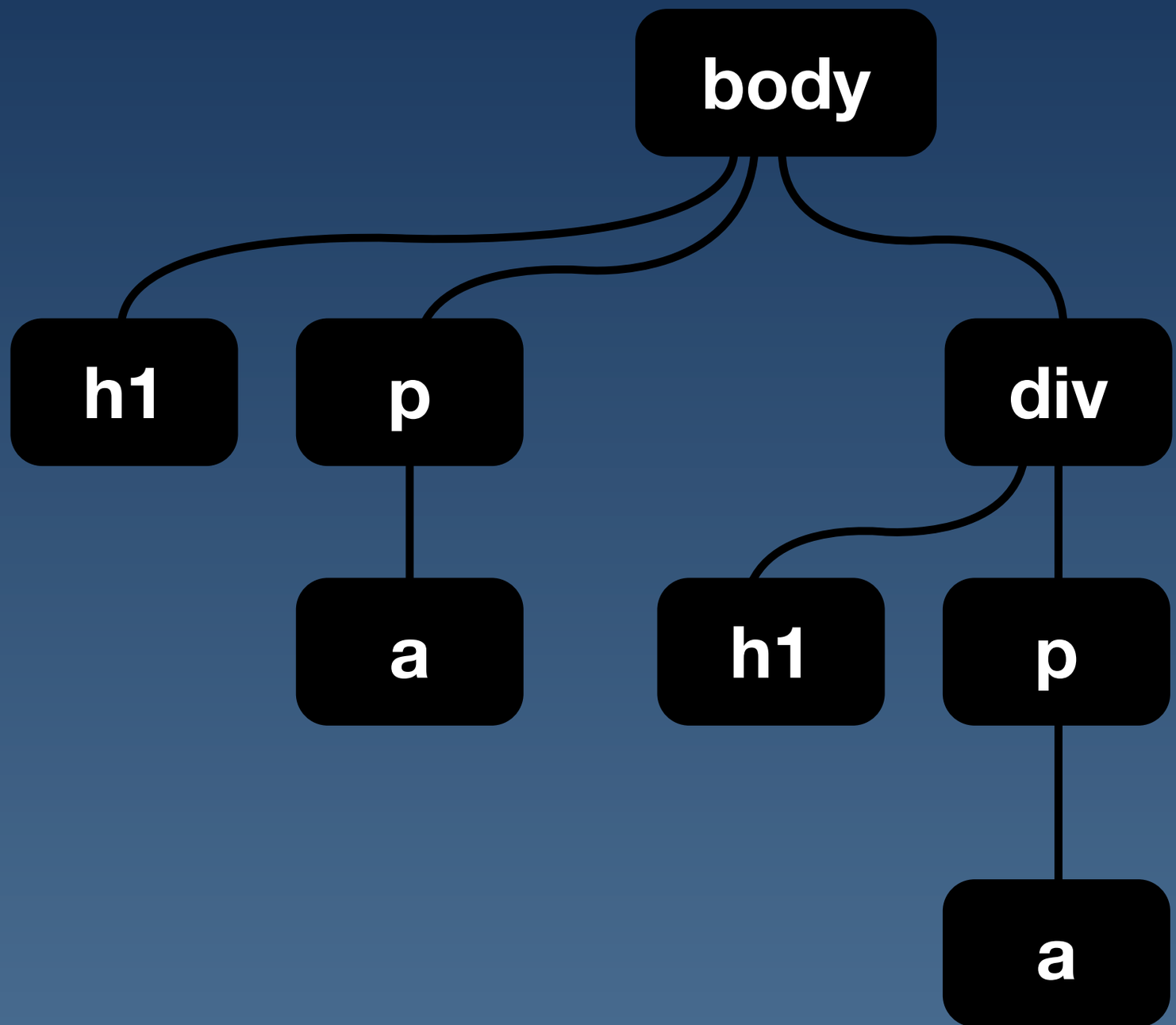
an oversimplication

Most **jQuery programming** is about

1. Selecting
2. Adding Event
3. Doing

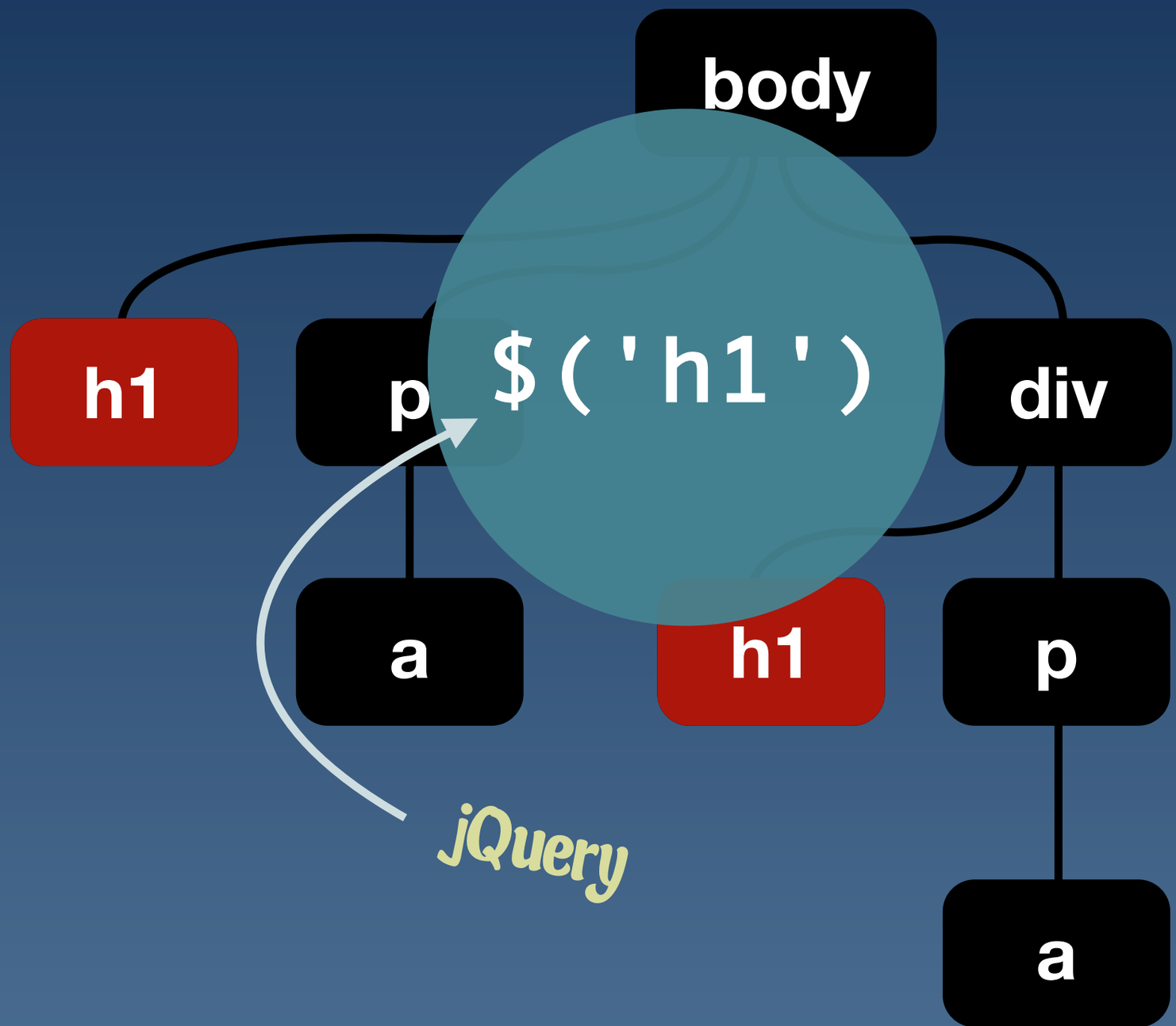
JavaScript Basics

The Document Object Model



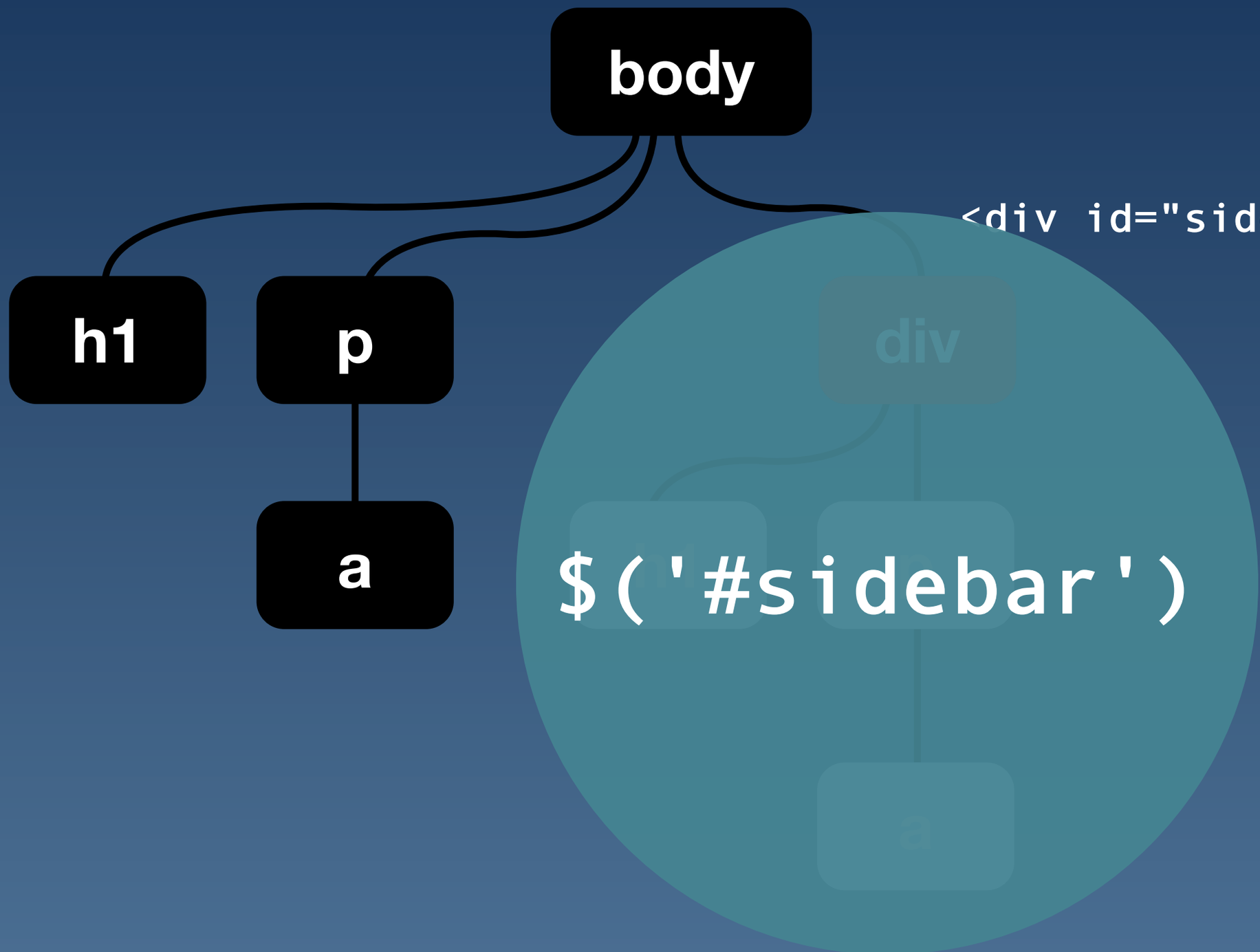
jQuery Basics

The Document Object Model



jQuery Basics

The Document Object Model



jQuery Basics

The jQuery Way of Selecting Elements

this is jQuery

```
$('#sidebar')

jQuery('#sidebar')
```

jQuery Basics

The **jQuery** Way of **Selecting Elements**

```
$('#sidebar')
```

a CSS **selector**

jQuery Basics

The jQuery Way of Selecting Elements

CSS Selectors (1, 2, and 3)

```
$('p')
$('.navbar')
$('#banner')
$('#banner p')
$('h1 + p')
$('a[href^="http://"]')
```

http://docs.jquery.com/Selectors

jQuery Basics

Events, the jQuery Way

1 *Select Page Element*

```
$('html')
```

jQuery Basics

Events, the jQuery Way

2 *Add Event*

```
$('html').click(function() {
}); // end click
```

jQuery Basics

Events, the jQuery Way

3 *Do something!*

```
$('html').click(function() {
  alert('ouch');
}); // end click
```

jQuery Basics

Events, the jQuery Way

Event

```
$('html').click(function() {
  alert('ouch');
});
```

jQuery Basics

Events, the jQuery Way

Event

Anonymous Function

```
$('html').click(function() {
  alert('ouch');
}); //end click
```

the stuff that happens

jQuery Basics

jQuery CSS Functions

add class	`$('.special').addClass('highlight');`
remove class	`$('p').removeClass('highlight');`
toggle class (add or remove)	`$('p').toggleClass('highlight');`
add CSS property	`$('p').css('color','#FF9933');`

add multiple properties	`$('p').css({`
	`'color' : '#FF9933',`
	`'font-weight': 'bold'`
	`});`

http://api.jquery.com/category/css/