### **Fundamentals of HTML5**

**Second Edition** 

Introduction

**Craig Shoemaker** craigshoemaker.net @craigshoemaker





### What is HTML5?

Related Technologies

W3C HTML5 Specification

Initial WHATWG HTML5 Specification

Source: http://bit.ly/170o5Jn

### What is HTML5?

New APIs = HTML
APIS

### **New Elements**

article

aside

audio

bdi

canvas

datalist

details

embed

figcaption

figure

footer

header

main

math

mark

meter

nav

output

progress

section

source

summary

svg

time

track

video

wbr

Source: http://mzl.la/16UjIPQ

article



<article></article>

aside



<aside></aside>

#### audio source track



bdi <bdi>∰ o </bdi>

canvas



<canvas></canvas>

#### datalist

```
<input
    type="text"
    list="colors">
    <datalist id="colors">
        <option src="Blue">
        <option src="White">
        </datalist>
```



# details summary

```
</>
```

```
<details>
     <summary>Events</summary>
     Come join us
        this summer...
</details>
```

embed

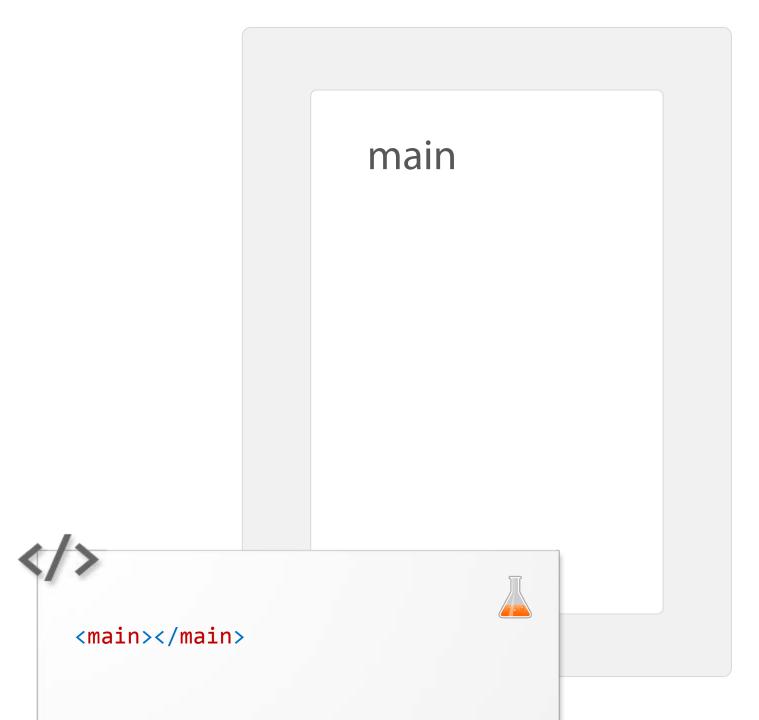
```
</>
```

```
<embed
src="intro.swf">
```

```
figure
<figure>
   <img src="screenshot.png">
</figure>
<figcaption>
   Screenshot of Menu
</figcaption>
```

#### header

```
<header></header>
<footer></footer>
```



math

```
<math>
    <!-- MathML elements -->
</math>
```

mark



<mark>
 this text is often highlighted
</mark>

#### meter

```
<meter
    min="0"
    max="100"
    value="70">70 out of 100</meter>
```

nav



<nav></nav>

#### output



<output></output>

#### progress

```
</>
```

```
value="50"
max="0"><>>
```

section



<section></section>

time

```
<time
    datetime="2013-07-08T13:25:23-8:00"
    pubdate>
    July 7th, 2013
</time>
```

wbr



reallybig<wbr>word

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wbr

Source: http://mzl.la/16UjIPQ

**Canvas** 



Featured in this course.

**Canvas** 

**Contacts** 

**Canvas** 

**Contacts** 

File API

**Canvas** 

**Contacts** 

File API



**Forms** 

Featured in this course.

**Canvas** 

**Contacts** 

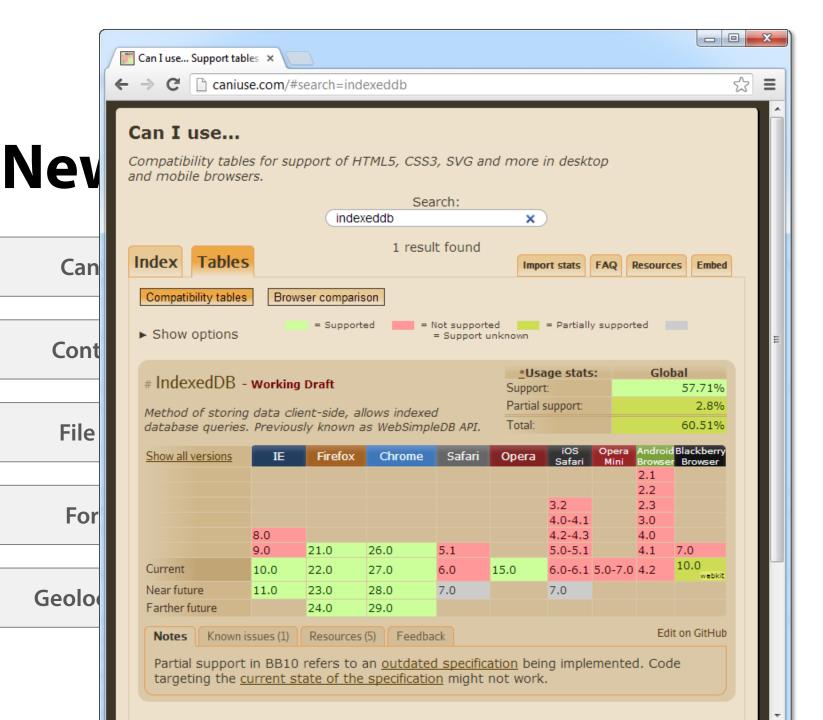
File API



#### **HTML5 Advanced Topics**

**Craig Shoemaker** 

http://pluralsight.com/courses/html5-advanced



**Canvas** 

IndexedDB

**Contacts** 

**Media Capture** 

File API

**Forms** 

Geolocation

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**Media Capture** 

File API

Microdata



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HTML5 Ad

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HTML5 Line of Business Apps with Bootstrap, MVC4 and Web API

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http://pluralsight.com/courses/html5-line-of-business-applications

**IndexedDB** Selection **Canvas Media Capture Contacts** Microdata File API Messaging **Forms** Featured in this course.

**Canvas** 

**IndexedDB** 

Selection

**Contacts** 

**Media Capture** 

**Server-Sent Events** 

File API

Microdata

**Forms** 

Messaging

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Offline Web Applications

**Canvas** 

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**Offline Web Applications** 

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Web Sockets

0

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Web Storage

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**Forms** 

Messaging

**Web Sockets** 

Geolocation

**Offline Web Applications** 

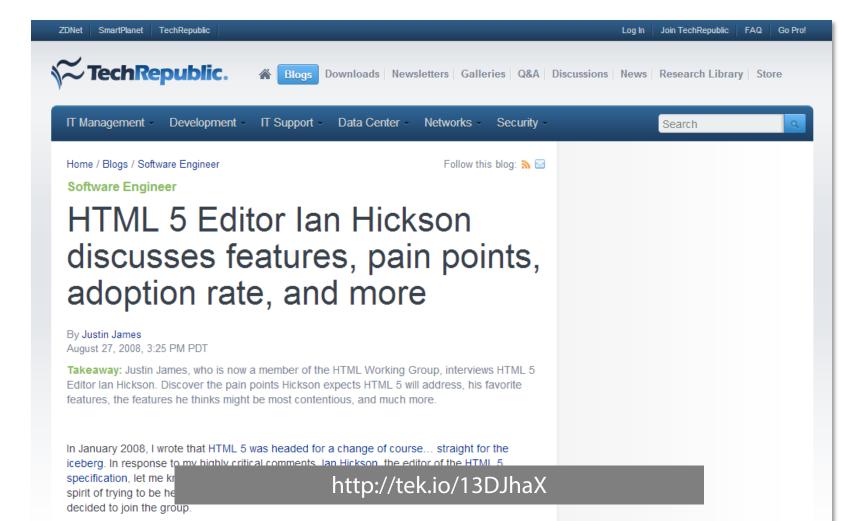
Web Storage

**Web Workers** 

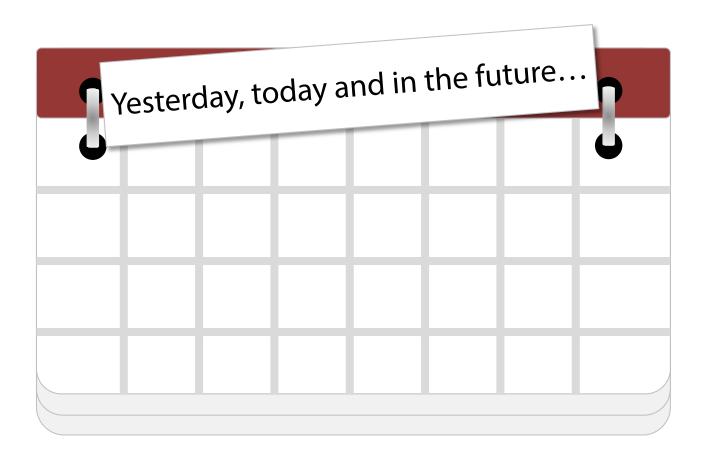
XMLHttpRequest Level 2

### When is HTML5 'done'?

#### When is HTML5 'done'?

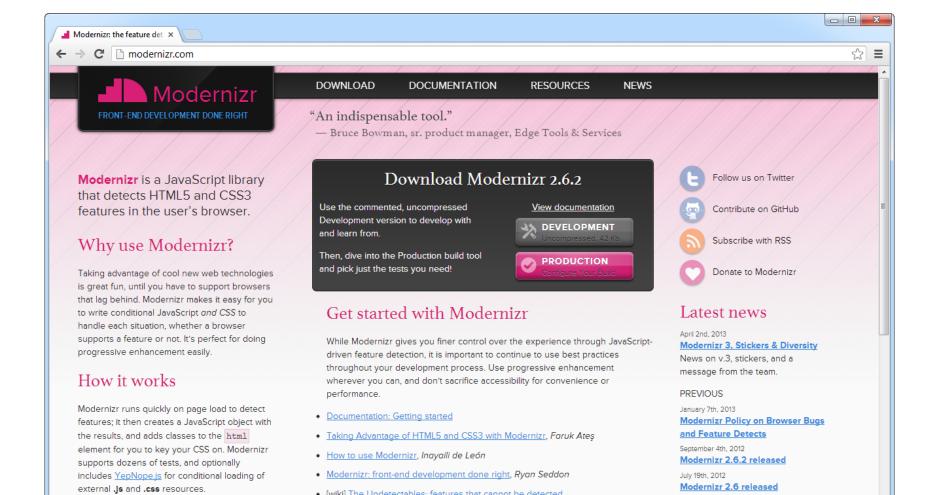


## When is HTML5 'done'?



## Markup

## **Detecting HTML5**



# Summary

#### HTML

