

Fundamentals of HTML5

Craig Shoemaker

<http://craigshoemaker.net>

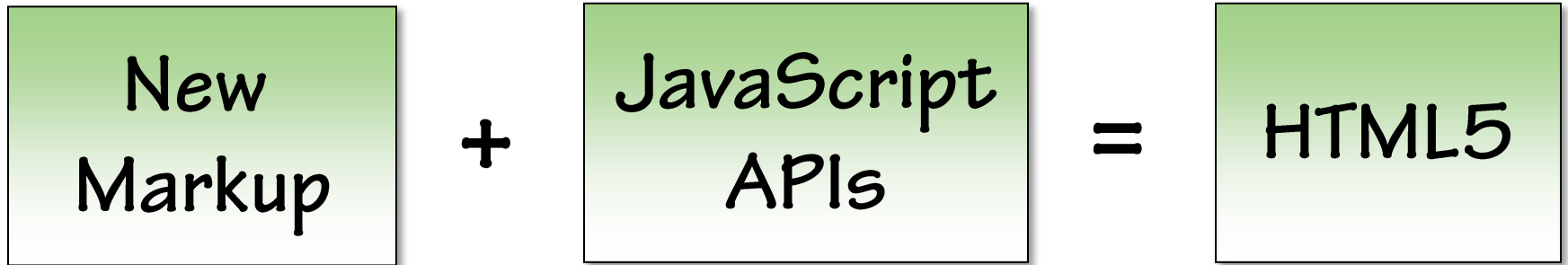
@craigshoemaker



Outline

- **Introduction**
- **What is HTML5?**
 - Semantic Markup
 - JavaScript APIs
- **Release Date**
- **Markup Comparison**
- **Detecting HTML5**
- **Demos**
 - Using Modernizr.js
 - HTML5 Markup Review

What is HTML5?



Semantic Markup

article	footer	rt
aside	header	ruby
audio	hgroup	section
canvas	keygen	source
command	mark	summary
datalist	meter	time
details	nav	video
embed	output	wbr
figcaption	progress	
figure	rp	

Source: http://www.w3schools.com/html5/html5_reference.asp

Article

Aside

Audio

Source

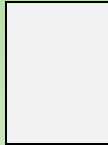
Video

Source

Canvas

Command

Datalist



Summary

Details

Embed

Figure

Figcaption



Header

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Meter

Nav

Output

Progress

RP
RT
Ruby

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rt

ruby

section

source

summary

time

video

wbr

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JavaScript APIs

Contacts

Selection

Offline Apps

Indexed Database

Web Workers

Web Storage

Web Sockets

Web SQL DB

Server Events

XMLHttpRequest Level 2

Geolocation

Canvas 2D Context

HTML Microdata

Media Capture

Messaging

Forms

File API

Source: <http://dret.typepad.com/dretblog/html5-api-overview.html>

When is HTML5 'done'?

When is HTML5 'done'?

2022

When is HTML5 'ready'?



2022

Today, tomorrow & in the future...

Markup

HTML4/XHTML

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
  <title>About the Show - Polymorphic Podcast</title>
  <style type="text/css">h1{color:#ff9900;}</style>
  <script type="text/javascript" src="jquery-1.4.2.min.js"></script>
</head>
<body>
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  <p><a href="http://weblogs.asp.net/craigshoemaker">Craig
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Detecting HTML5

Detecting HTML5



Demo

Summary

- Markup + JavaScript APIs = HTML5
- Overview of new tag use
- Review of JavaScript APIs
- HTML5 is “ready” before 2022!
- Detecting HTML5
- Using HTML5

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