# What is HTML5?

Related Technologies

W3C HTML5 Specification

Initial WHATWG HTML5 Specification

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

# What is HTML5?

New Markup + JavaScript 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

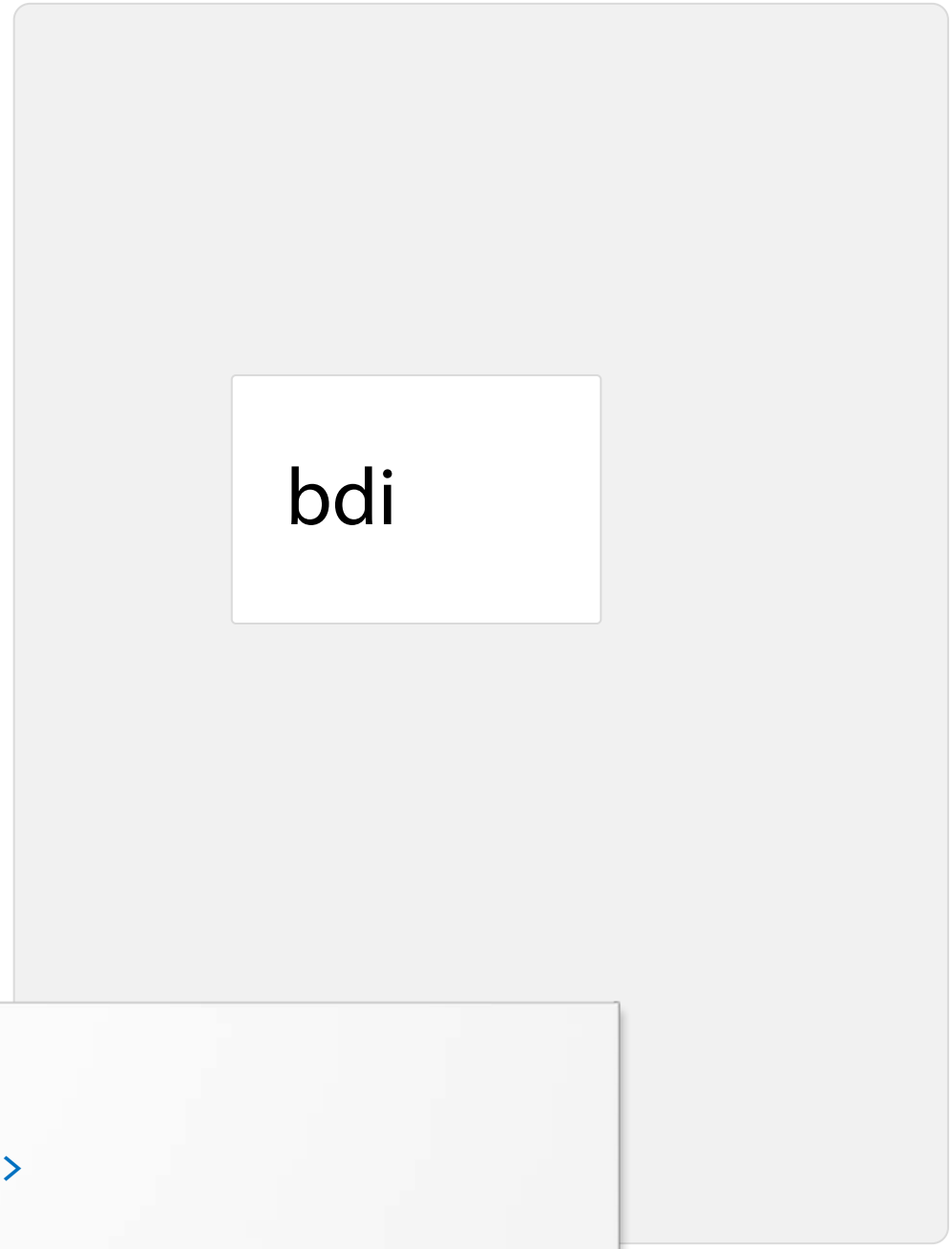
```
<article></article>
```

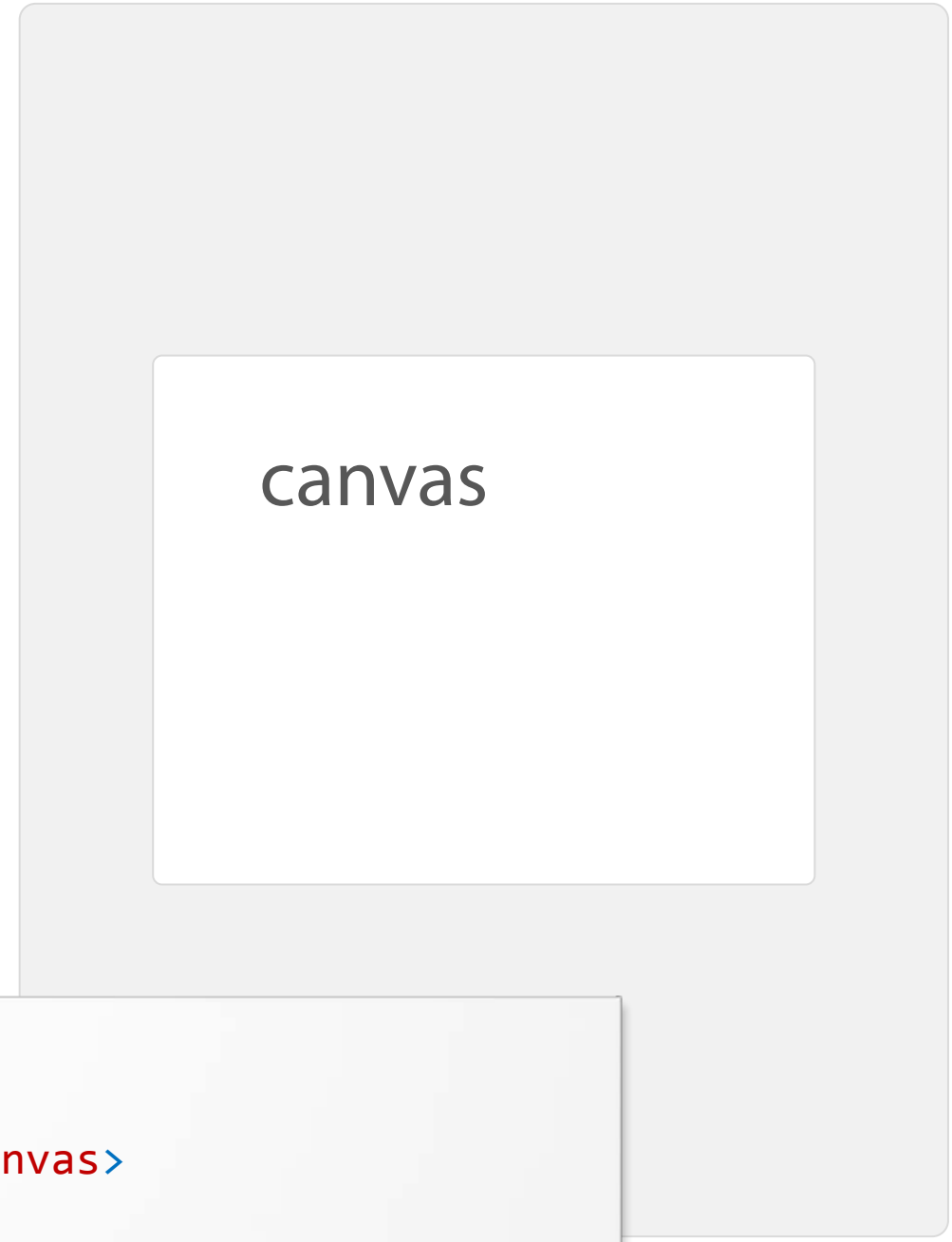
aside

```
<aside></aside>
```

audio
source
track

```
<video>
   <source src="vid.mp4">
   <source src="vid.ogv">
   <source src="vid.webm">
   <track
     kind="subtitles"
     label="English Subtitles"
     src="en.vtt"
     srclang="en">
</video>
```


bdi
<bdi>D</bdi>



```
<canvas></canvas>
```

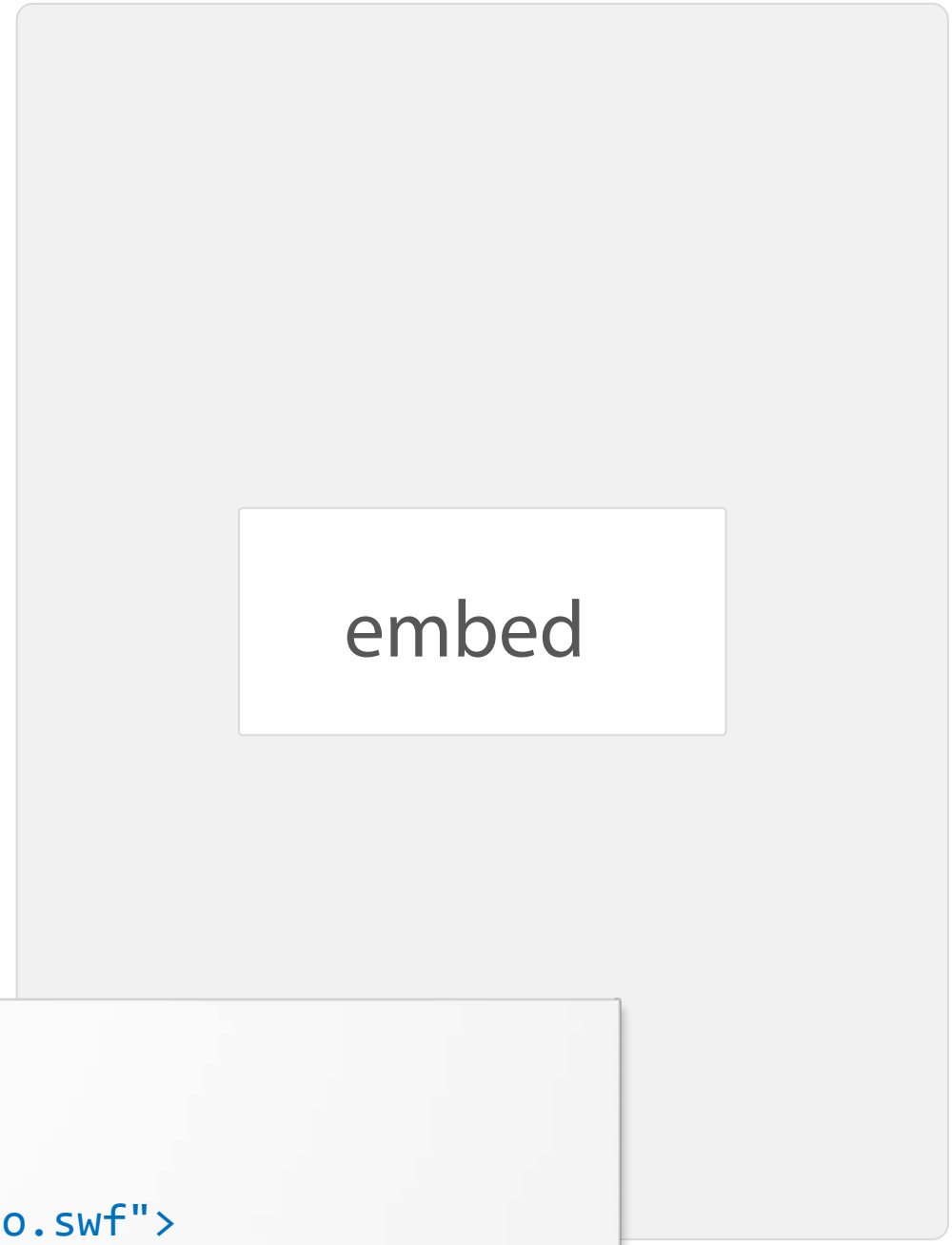
# datalist

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

details

summary

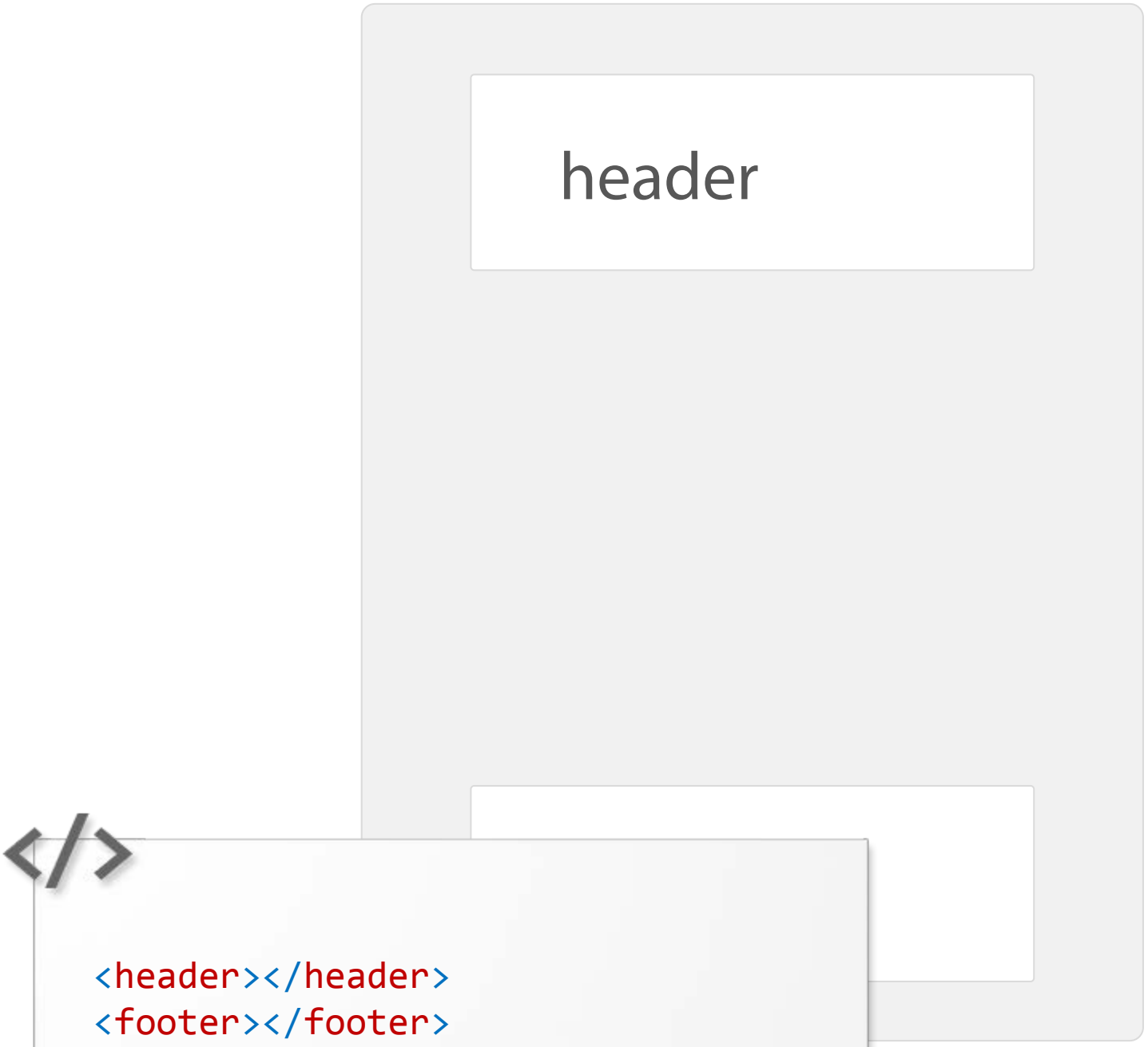
```
<details>
    <summary>Events</summary>
    <p>Come join us
       this summer...</p>
</details>
```




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

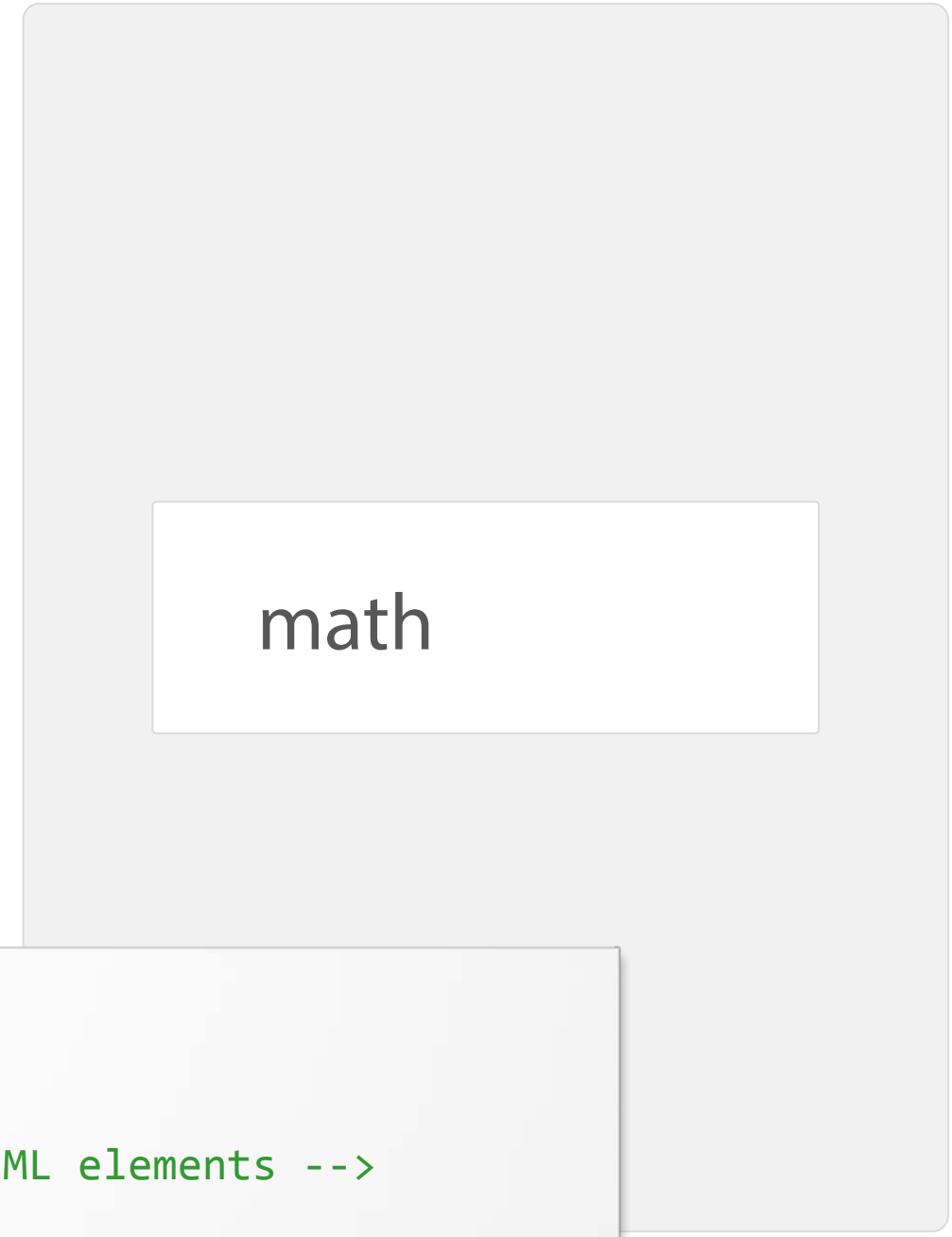
figure

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


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

main

```
<main></main>
```



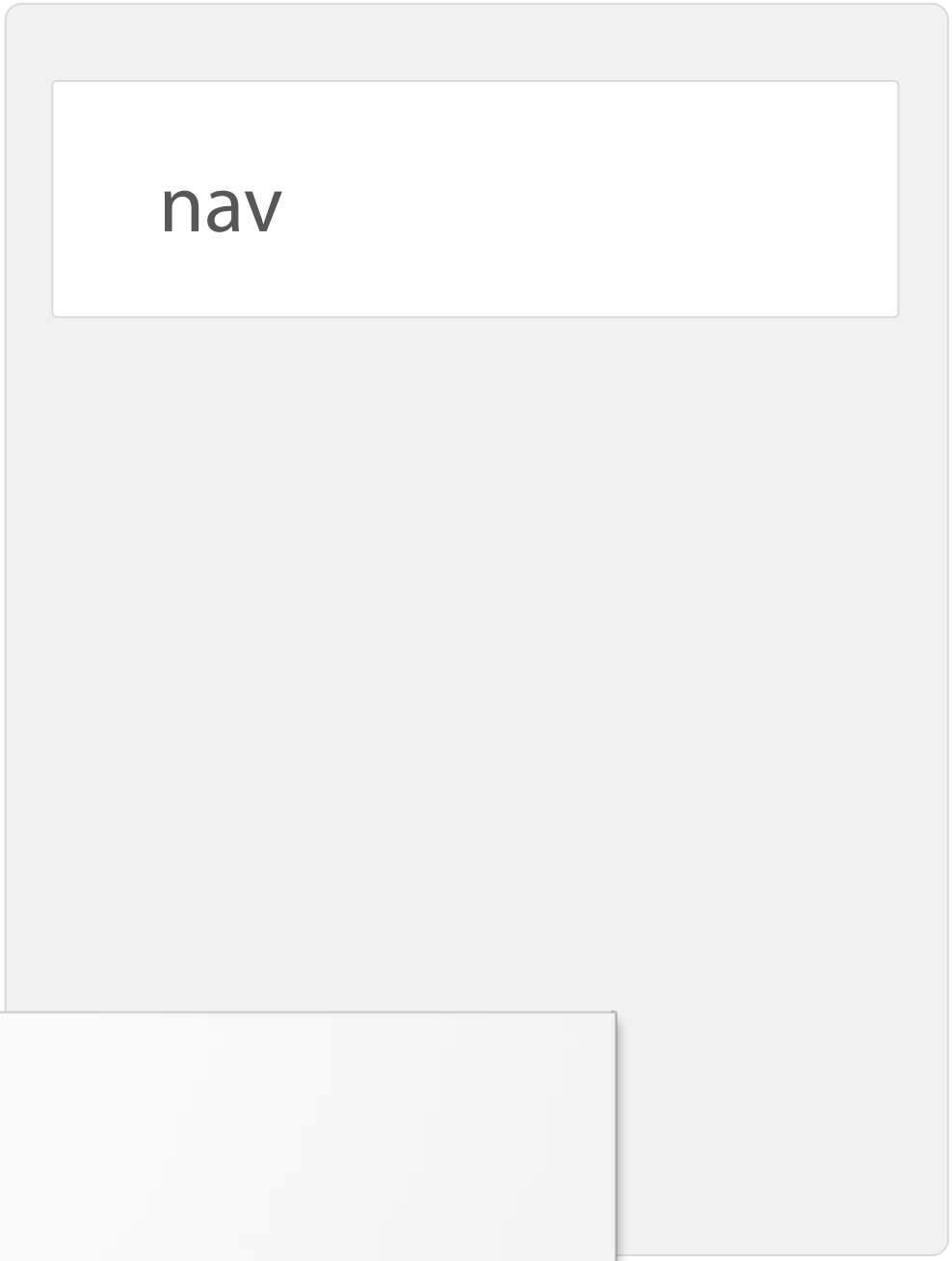

```
<math>
   <!-- MathML elements -->
</math>
```

# mark

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

# meter

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



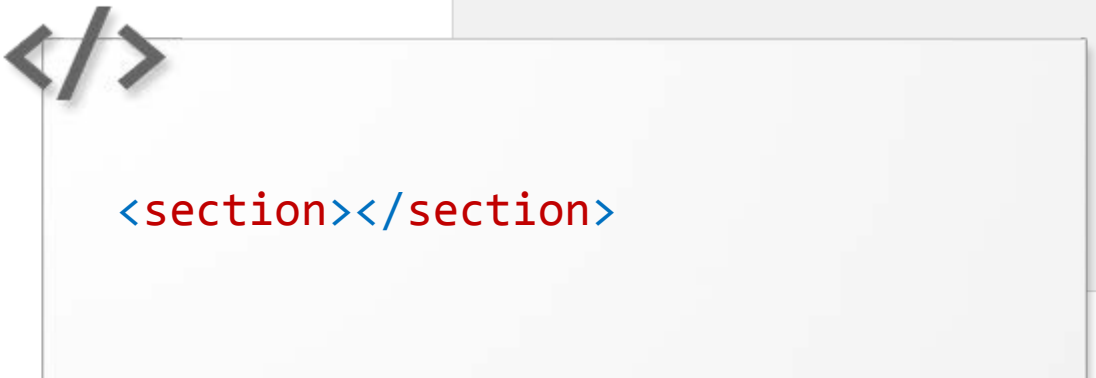

```
<nav></nav>
```

output

```
<output></output>
```

# progress

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


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

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

# New JavaScript APIs

# New JavaScript APIs

Canvas

**Featured in this course.**

# New JavaScript APIs

Canvas

Contacts

# New JavaScript APIs

- Canvas
- Contacts
- File API

# New JavaScript APIs

Canvas

Contacts

File API

Forms

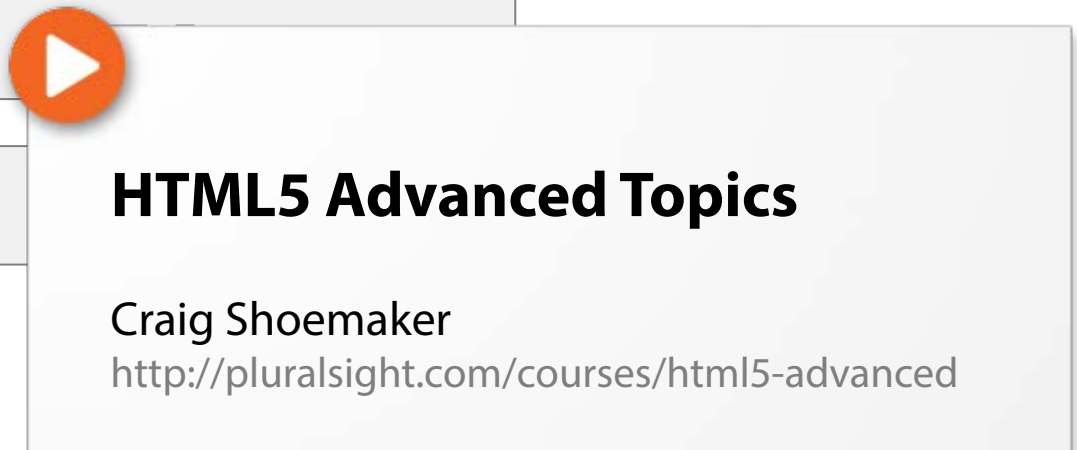
**Featured in this course.**

# New JavaScript APIs

Canvas

Contacts

File API



# Nev

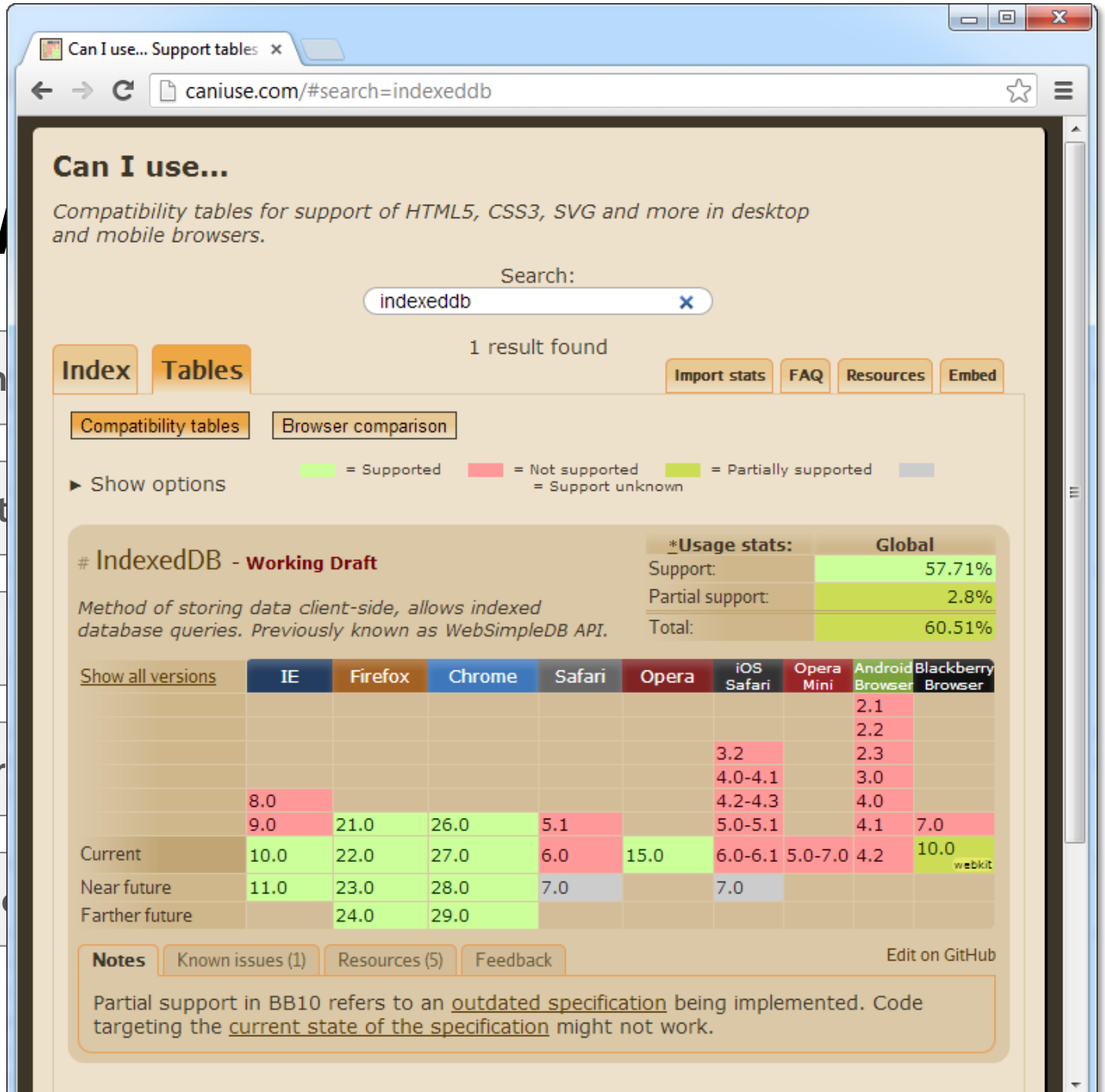
Can

Cont

File

For

Geoloc

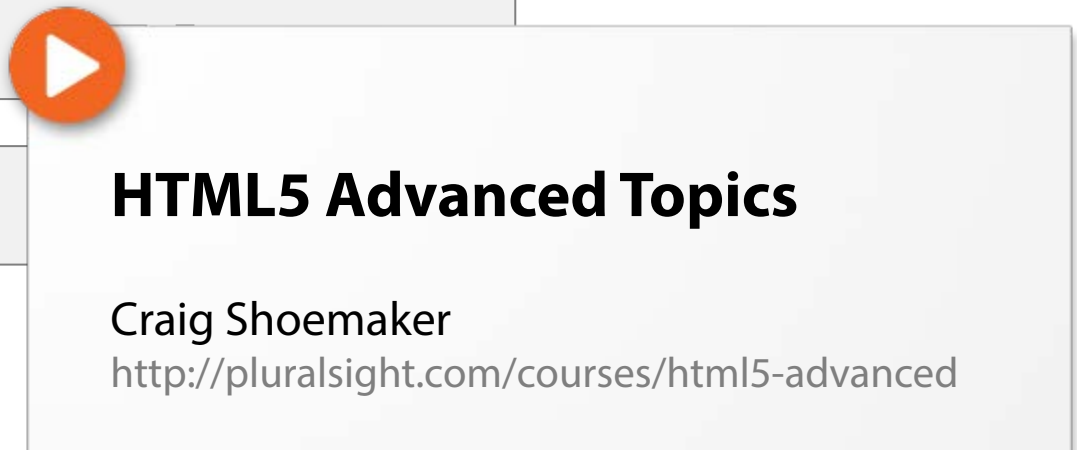


# New JavaScript APIs

- Canvas
- IndexedDB
- Contacts
- Media Capture
- File API
- Forms
- Geolocation

# New JavaScript APIs

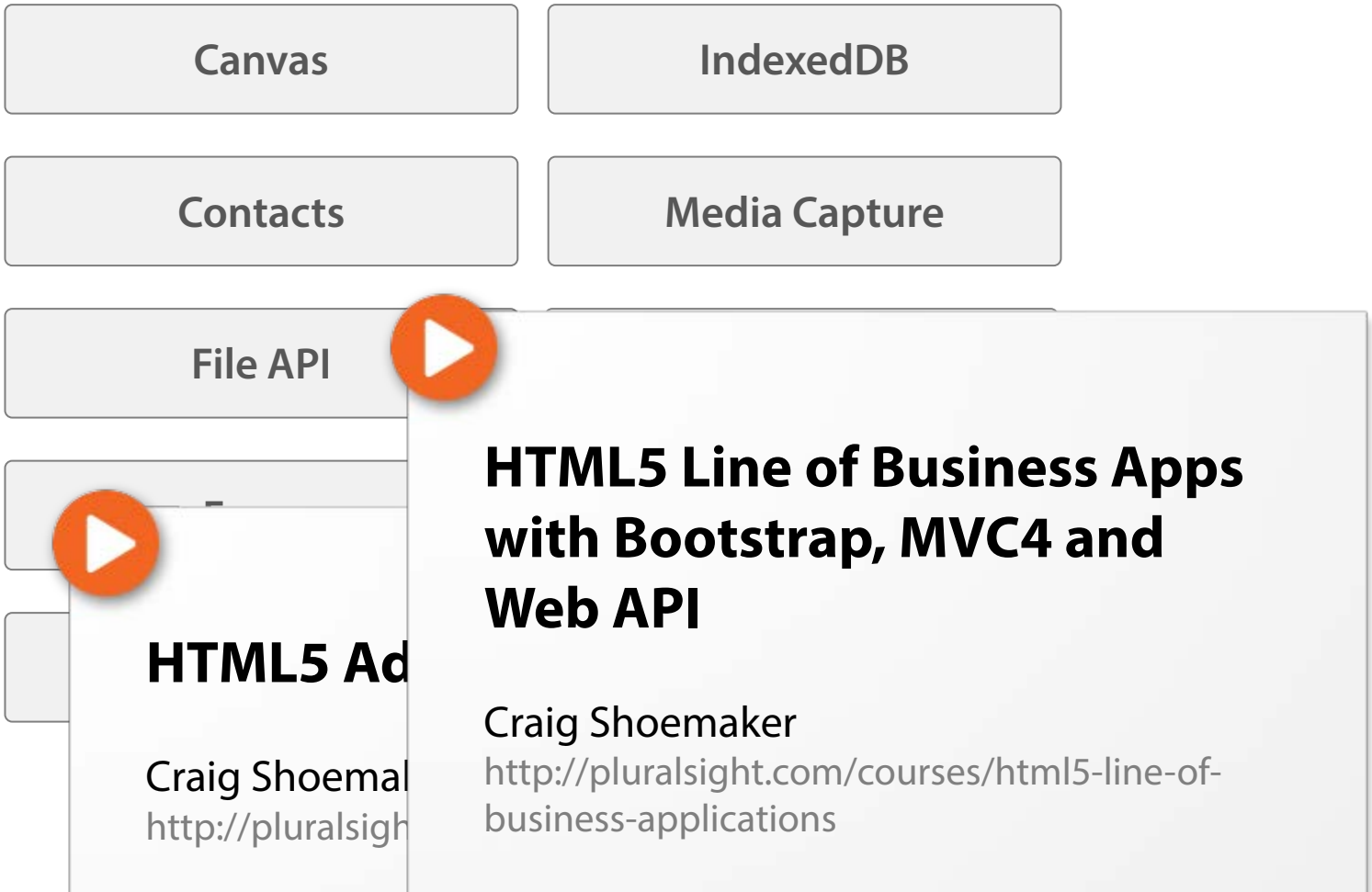
- Canvas
- IndexedDB
- Contacts
- Media Capture
- File API
- Microdata



# New JavaScript APIs

- Canvas
- IndexedDB
- Contacts
- Media Capture
- File API
- Microdata
- Forms
- Messaging
- Geolocation

# New JavaScript APIs



# New JavaScript APIs

Canvas

IndexedDB

Selection

Contacts

Media Capture

File API

Microdata

Forms

Messaging

**Featured in this course.**

# New JavaScript APIs

- Canvas
- IndexedDB
- Selection
- Contacts
- Media Capture
- Server-Sent Events
- File API
- Microdata
- Forms
- Messaging
- Geolocation
- Offline Web Applications

# New JavaScript APIs

| | | |
|---|---|---|
| Canvas | IndexedDB | Selection |
| Contacts | Media Capture | Server-Sent Events |
| File API | Microdata | Web Notifications |
| Forms | Messaging | |
| Geolocation | Offline Web Applications | |

# New JavaScript APIs

| | | |
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| | | Web Sockets |

**HTML5 Advanced Topics**

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

# New JavaScript APIs

| | | |
|---|---|---|
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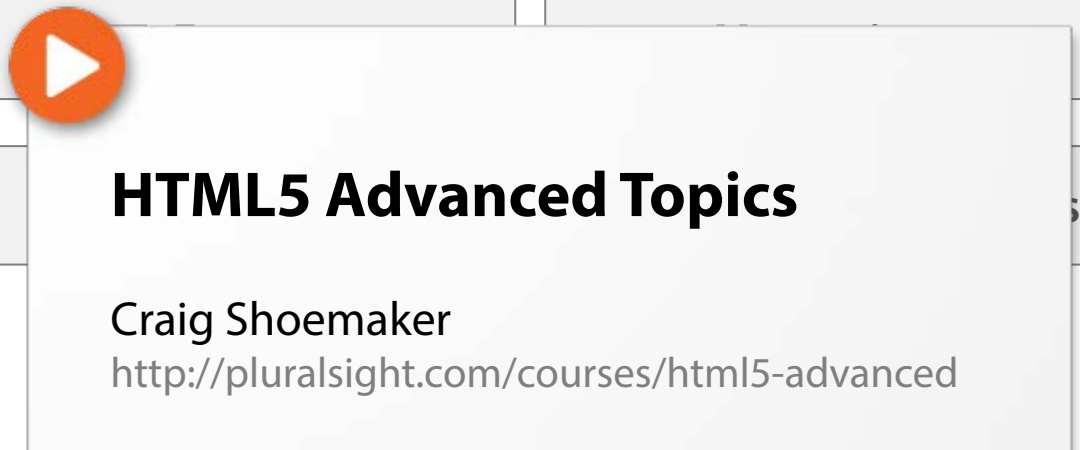
| | | Web Sockets |
| | | Web Storage |



# New JavaScript APIs

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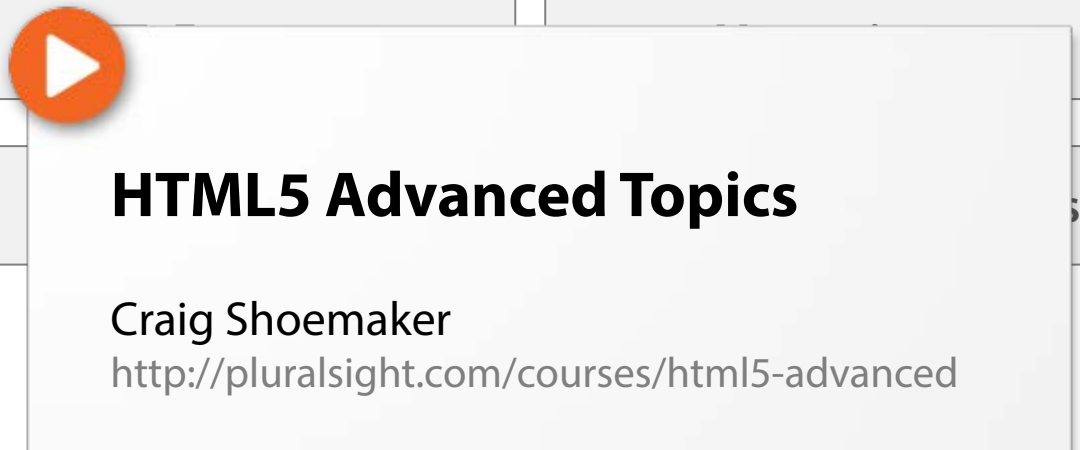

# New JavaScript APIs

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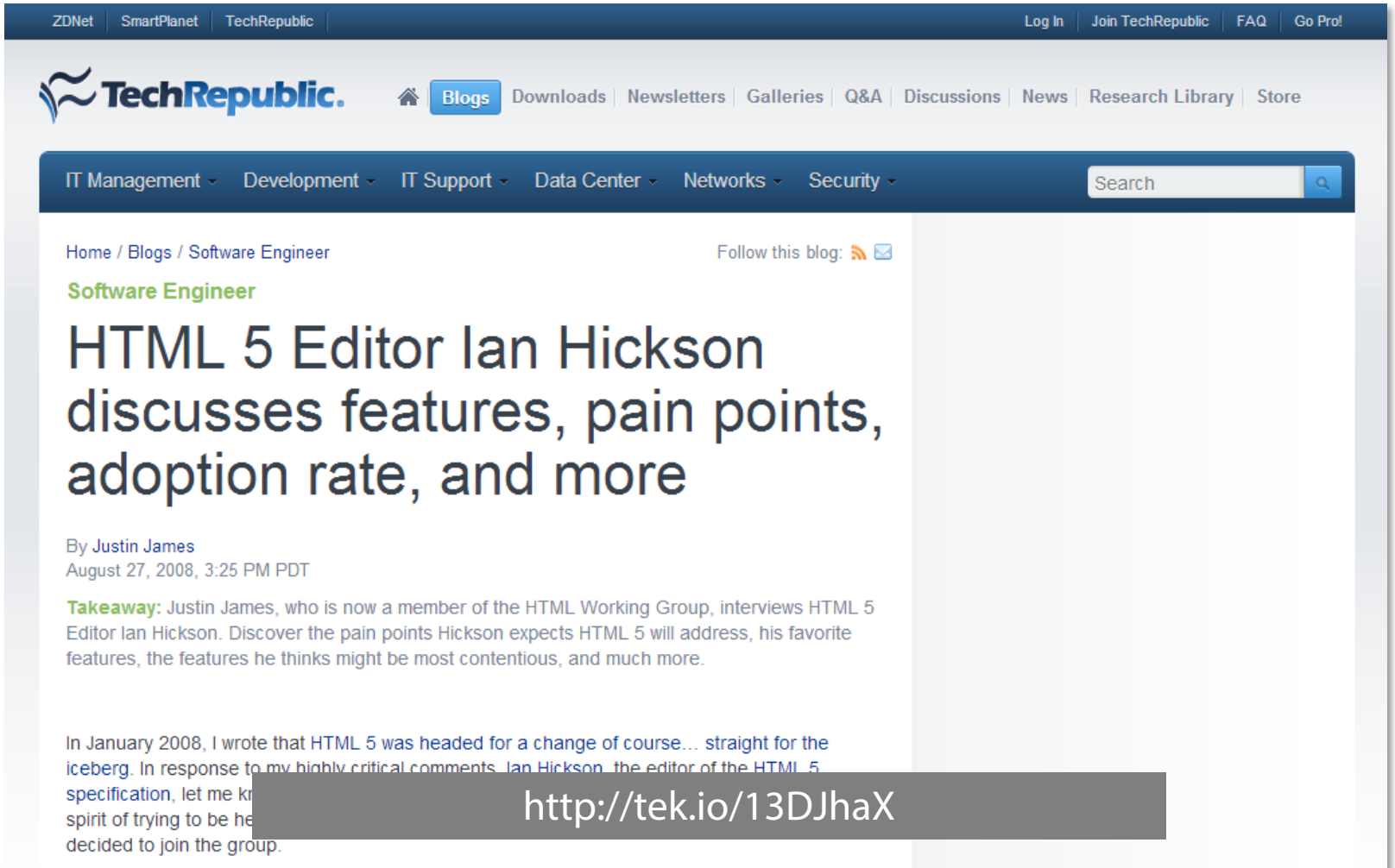
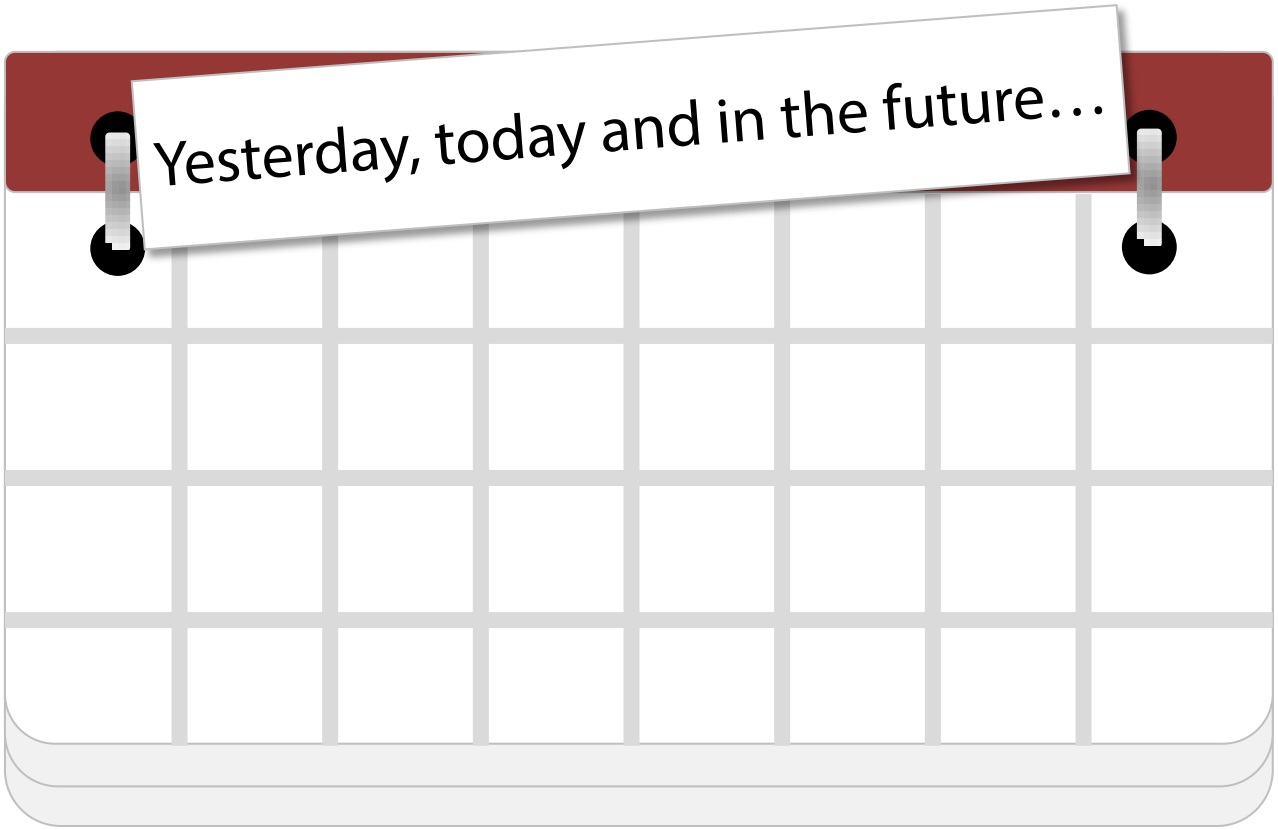
| Geolocation | Offline Web Applications | Web Storage |
| Web Workers | XMLHttpRequest Level 2 | |

# When is HTML5 ‘done’?

# When is HTML5 ‘done’?

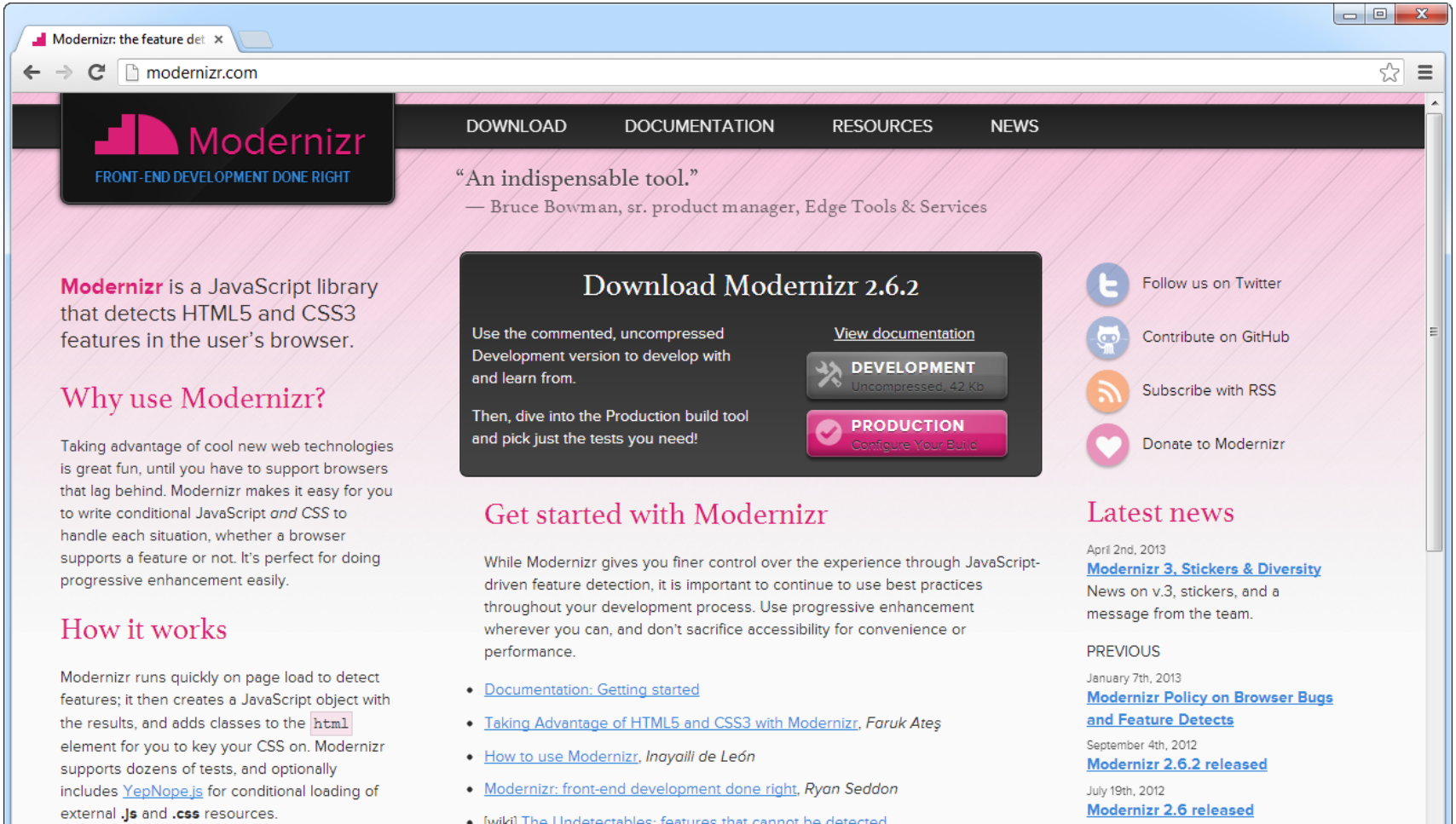


# When is HTML5 ‘done’?

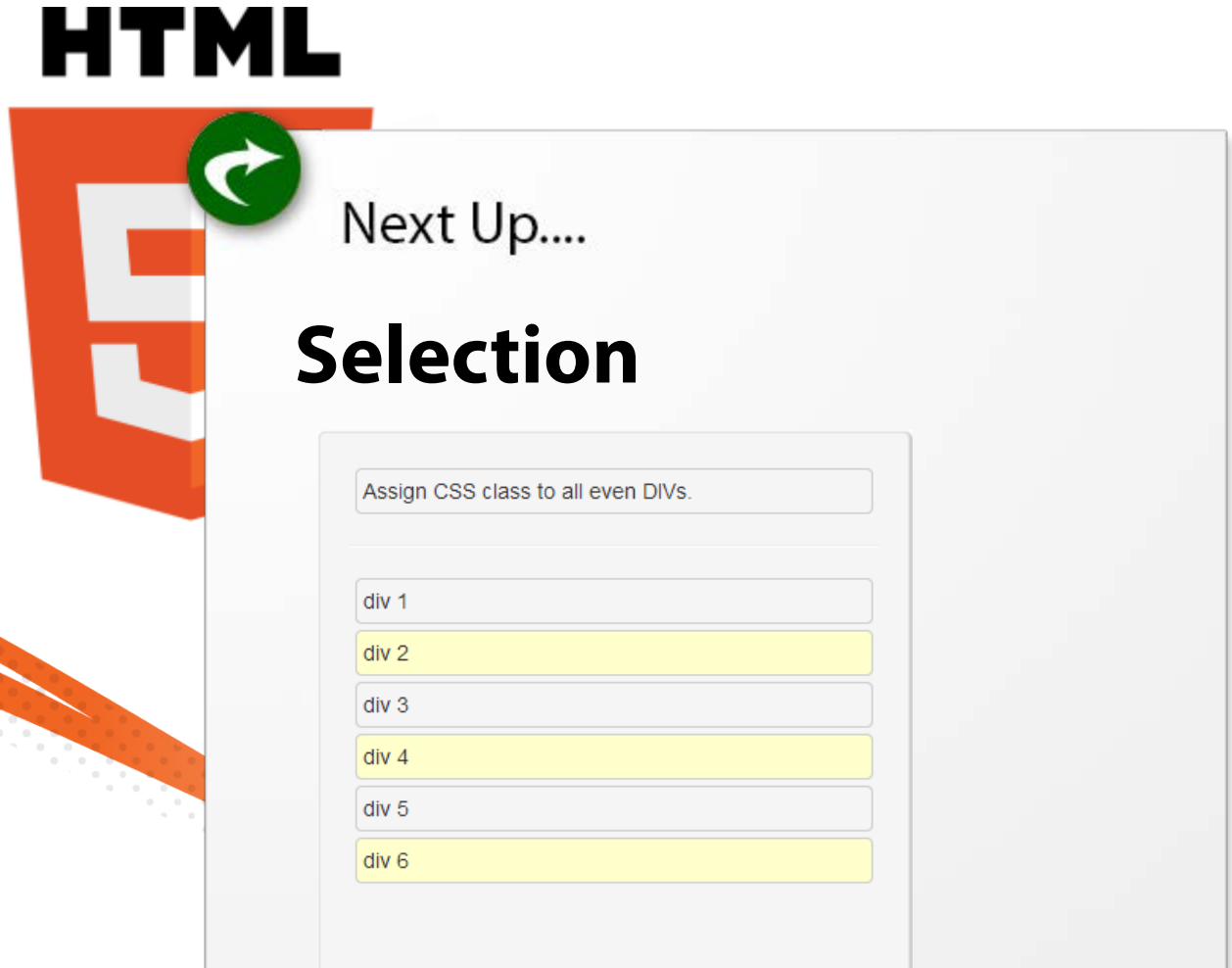


# Markup

# Detecting HTML5



# Summary


HTML
Next Up....
Selection
Assign CSS class to all even DIVs.
div 1
div 2
div 3
div 4
div 5
div 6