

### Warning!

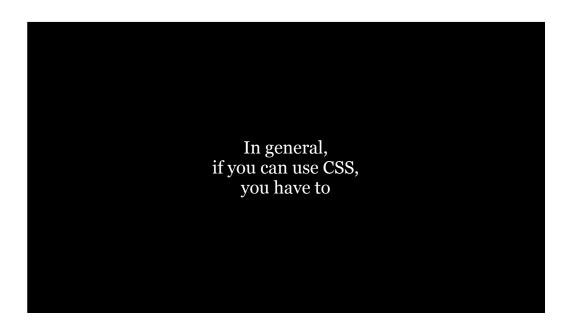
Some of this may change!

The spec is still in development!

# Simpler Template

### 3 CSS Replaces Some HTML





```
align

bgcolor

height on  & 

height on  & 

hspace & vspace

nowrap

valign

width on <hr>, , , &
```

### 4 Frames Are Dead



### 5 Redefined Elements

<i>>

#### HTML 4: italic

HTML5: text in an "alternate voice"

- Examples
  » Foreign words <i lang="fr">
  » Technical terms
- » Ship names» Stage directions» Typographically italicized text

<b>

HTML 4: bold

HTML5: "stylistically offset" text that's not more important

Examples

» Keywords

» Product names in a review

» Typographically emboldened text

t was nearly one o'clock when Sherlock Holmes returned from his excursion. He held in his hand a sheet of blue paper, scrawled over with notes and figures.

Why is that text bold?

Because it's more important?

Because it should be strongly emphasized?

<em>

HTML 4: emphasis (italic)

HTML5: "stress emphasis" text

Something pronounced differently: "Come here now!"

#### <strong>

HTML 4: strong emphasis (bold)

HTML5: "strong importance" text

**Warning**: Do not feed the bears.

#### <small>

In HTML 4, made text smaller

In HTML5, indicates side comments & small print

Examples:
 » Legal disclaimers
 » Copyright & licensing info
 » Attributions

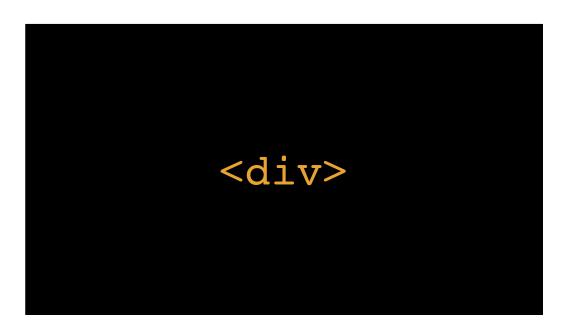
<hr>

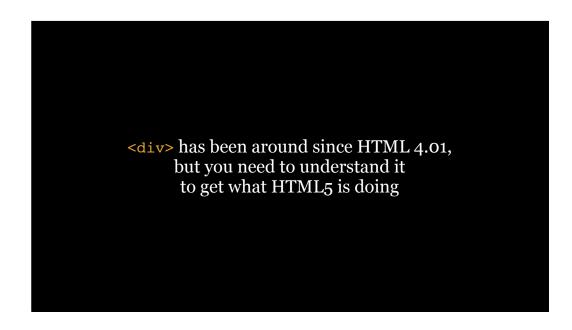
Use to separate topics or scenes

In HTML 4, inserted horizontal rule
In HTML5, indicates"paragraph-level thematic break"



## Content Blocks





<div> is a block-level element
that does nothing without CSS

Use <div>
to group block-level elements together that you want to affect in the same way with CSS

```
<div class="attention">
  ...
  <blockquote>
      ...
      ...
      </blockquote>
      ...
      </div>
```

```
<div class="utility-nav">
  ...
  ...
  ...
  </div>
```

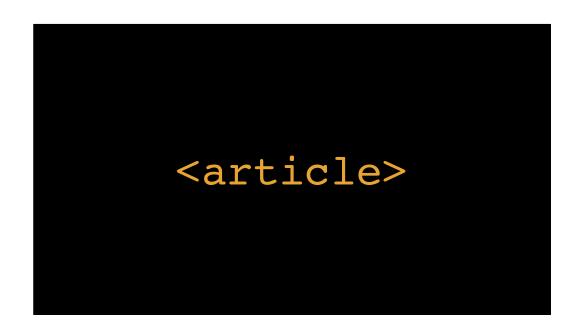


"The section element represents a generic document or application section...

The section element is not a generic container element. When an element is needed for styling purposes or as a convenience for scripting, authors are encouraged to use the div element instead."

You should almost always start a section with a header

```
<section>
  <h2>Header</h2>
  ...
</section>
```



<article> is "a section of content that forms an independent part of a document or site"

In other words, content that can stand on its own



```
<article>
    <h1>Cthulhu Mythos</h1>
    Lorem ipsum
    <section>
        <h2>Yog-Sothoth</h2>
        Lorem ipsum
        </section>
        <h2>Nyarlathotep</h2>
        Lorem ipsum
        <h2>Nyarlathotep</h2>
        Lorem ipsum
        <h2>Lorem ipsum
        </section>
        </article>
```

Which One To Use?

#### <article>

An independent, self-contained block of related content "Can it stand on its own?"

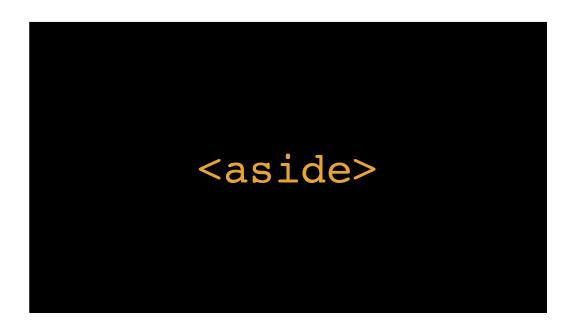
#### <section>

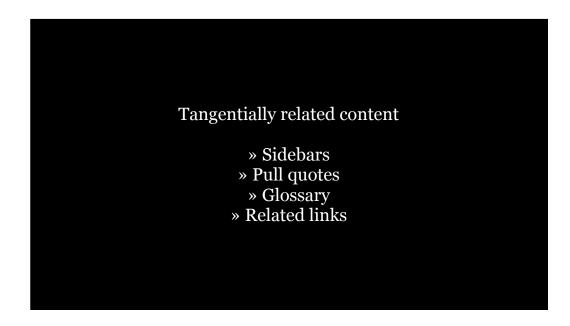
A block of related content "Is it related content?"

#### <div>

A generic block of content "Is it a block of content?"

# Semantic Page Parts





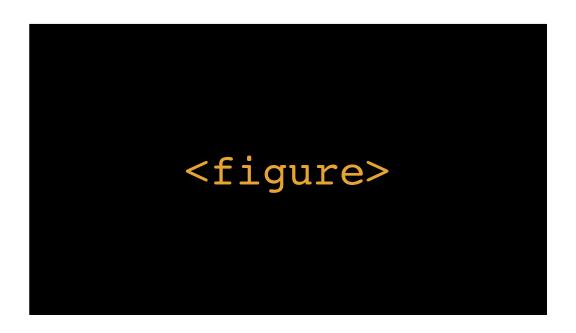


"a section of a page that links to other pages or to parts within the page: a section with navigation links."

Only "major navigation blocks"



"The main content of the body of a document or application... content that is directly related to or expands upon the central topic of a document"

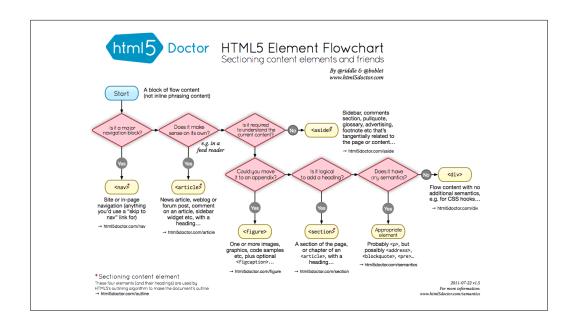


"...annotate illustrations, diagrams, photos, code listings, etc, that are referred to from the main content of the document, but that could, without affecting the flow of the document, be moved away from that primary content, e.g. to the side of the page, to dedicated pages, or to an appendix."

## <figcaption>

Optional caption or legend associated with a <figure>

```
<figure>
    <img src="images/libby.jpg" alt="My dog
Libby">
    <figcaption>Libby when she was a few months
old</figcaption>
</figure>
```



html 5 doctor.com/downloads/h 5 d-sectioning-flowchart.png

# 8 Headers & Footers



Introductory or navigational aids

Usually contains

» A section's heading (<h1>-<h6>)

» Table of contents

» Logos

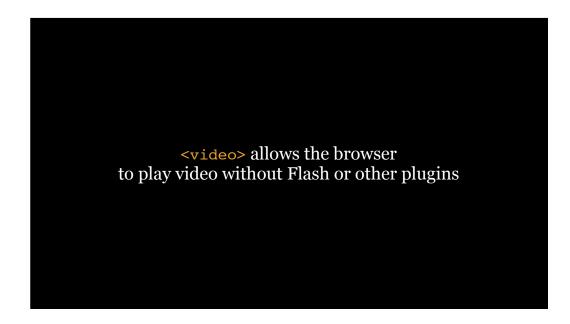
» Search form

Does not introduce a new section; it is the head of a section









```
<video width="640" height="360" src="http://
www.youtube.com/demo/google_main.mp4" controls
autobuffer></video>

controls
Show play, stop, & other controls

autoplay
No!

autobuffer
No autoplay,
so video downloaded in background

poster="action.png"
Display image before video loads
```

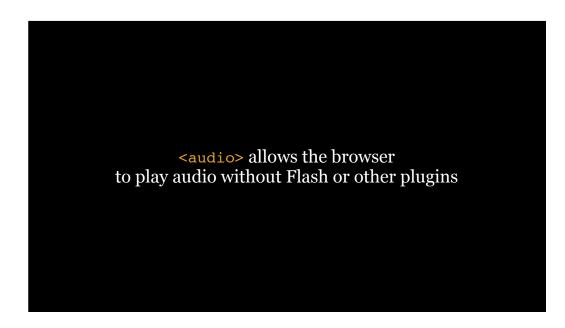












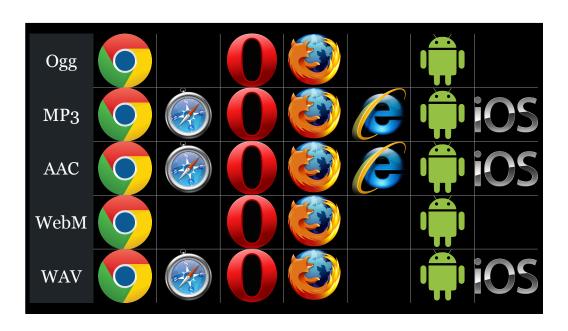
```
<audio src="elvis.ogg" controls autobuffer>
</audio>

controls
Show play, stop, & other controls

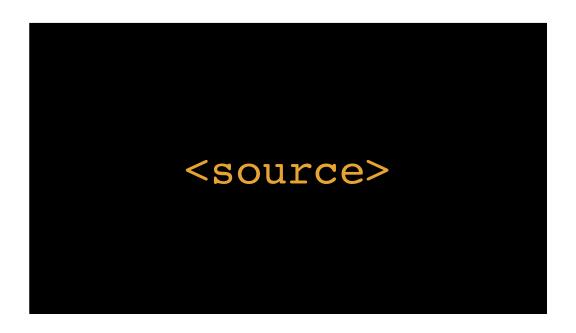
autoplay
No!

autobuffer
No autoplay,
so audio downloaded in background

loop
Repeat—only use if necessary!
```







### <source>

"...allows authors to specify multiple media resources for media elements. It does not represent anything on its own."

Always a child of media elements <video> & <audio>

```
<video>
...
     <source src="video.mp4" type="video/mp4">
          <source src="video.ogv" type="video/ogg;
codecs='theora, speex'">
          </video>
```

Older browsers don't support <video> & <audio>

Use the JavaScript found at github.com/etianen/html5media to enable older browsers to work



IE 9 & below do not fully support HTML5

(surprise!)

There are ways to add HTML5 support to IE, however

html5shiv can "...enable use of HTML5 sectioning elements in legacy Internet Explorer"

code.google.com/p/html5shiv/

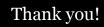
github.com/aFarkas/html5shiv

```
<!--[if lt IE 9]>
    <script src="dist/html5shiv.js"></script>
<![endif]-->
```

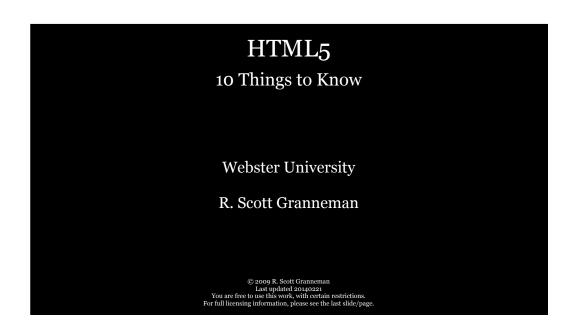
Modernizr is a JavaScript library that detects HTML5 & CSS3 features in the user's browser"

modernizr.com

github.com/Modernizr/Modernizr



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