

Video 1.4 Chris Murphy



Review

 HTML is a plain-text, human-readable language that is used for representing content on the Web

- HTML specifies how to structure the data but not (necessarily) how to display it
- The browser chooses how to display the content



Review: HTML Tags

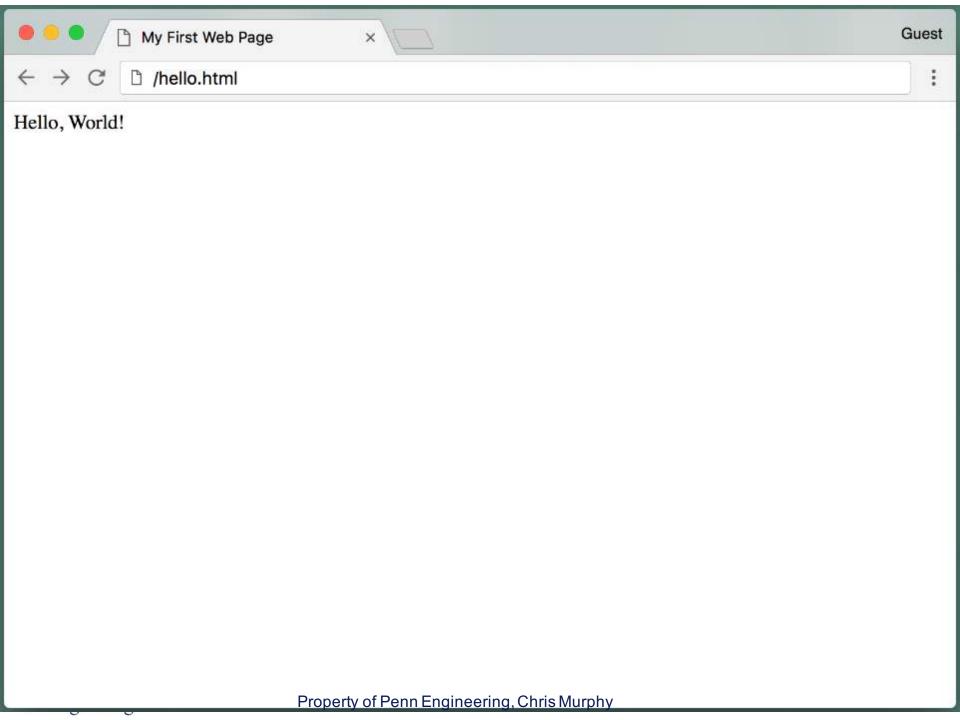
<!DOCTYPE> specifies the version of HTML

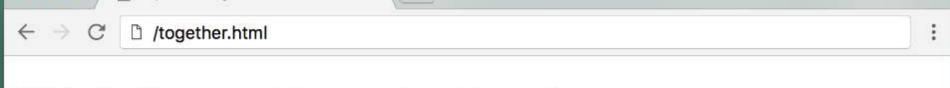
• <html> root of the entire document

 <head> section that provides the page title, meta information, includes other files, etc.

<body> the actual content







Guest

This is the most important header

This is a paragraph supporting the most important header.

My Web Page 2.0

This is a subheader

This is a paragraph supporting the subheader. Notice that the font size of the subheader is smaller than the size of the most important header.

Thought of the Day

Today's thought of the day: "Don't make excuses, make improvements"> -- Tyra Banks

Additional supporting text

Today we've learned about DOCTYPE declarations, head tags, body tags, heading tags, paragraph tags, & Inline vs. Block-level containers.

Important HTML Tags:

- Appears anywhere within the body to represent a paragraph of text expressing a single thought
- Usually displayed with vertical space before and after paragraph



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- Usually displayed with vertical space before and after paragraph

```
<!DOCTYPE html>
<head> . . . </head>

<body>
  (all web content goes here!)
   This is a paragraph within the p tag that expresses a single thought or idea. The paragraph should be surrounded with a vertical white space buffer both before and after the paragraph. 
</body>
</html>
```



HTML Content

- Remember, the HTML specifies the structure but not how the content will be displayed
- It is up to the browser to decide how to display the content



HTML Content

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```
This is some text.
This is some more text.
And here's a little bit more.
```

This is some text. This is some more text. And here's a little bit more.



- Referred to as section heading tags
- HTML supports 6 heading tags
- <h1> used for most important titles (ex: title of entire h1 web page)
- **h2** <h2> used for next important subheader
- h3 <h6> used for least important subheader
 - Magnitude of importance affects font size that will be displayed
 - Can be used to divide content into readable subsections
 - Browser determines font and size depending on header magnitude



h4

h5

h6

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  </body>
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Important HTML Tags: and <i> >

- indicates that the text should be bold
- <i>> indicates that the text should be italicized

Similar tags are and , respectively, which
are meant to demonstrate that the text is "important"



- Both tags used to mark a break in content
 - <hr>> Represents a more serious shift in content, visually separates content by inserting a visible line between preceding and subsequent content
 -

 Represents a single line break, inserts a blank line



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how your browser works. 
<hr>>
 This is a paragraph about
how to set up your environment
to begin creating HTML
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kbr>
This is a paragraph about
  important HTML tags that
  you should know. 
                     Property of Penn Engineering, Chris Murphy
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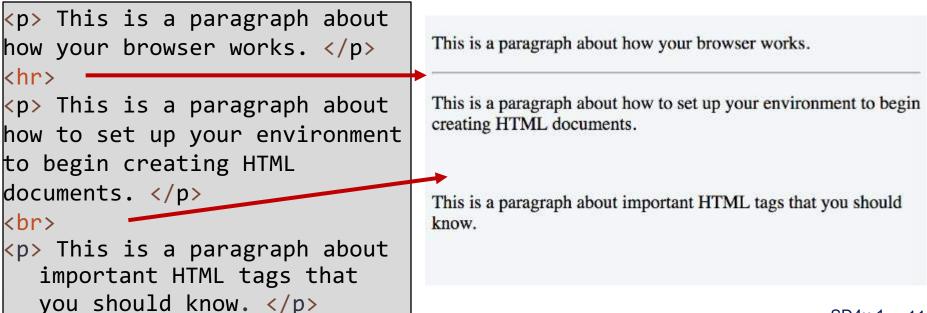
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This is a paragraph about important HTML tags that you should know.

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Property of Penn Engineering, Chris Murphy

- Provides additional structure to web page
- Block-level container for organized content
- Often used for:
 - Page headers/footers
 - Menu or Navigation bar
 - Photo galleries
 - Ads or outside media

```
<div>
 <h3> Thought of the Day </h3>
 Today's thought of the day: "Don't"
    make excuses, make improvements"
    -Tyra Banks
 Additional supporting text
 </div>
```



Important HTML Tags:

- Inline container for organized content
- Similar to div but different in the following ways;
 - Block-level elements (div) are designed to contain larger chunks of content designed to stand alone as a unit; always starts with a new line
 - Inline elements
 (span) designed to
 contain smaller
 pieces of content,
 usually within a
 larger block of
 content; does not
 start with new line



Important HTML Tags: <!-- Comments

- Text in the HTML that will not be rendered in the browser
- Often used for:
 - Explaining the HTML to or leaving notes for other programmers
 - Temporarily removing HTML content

```
<!-- This is a listing of some important people -->
<br>Eliana
<br>Swapneel
<!-- <br>>Chris -->
<br>Lydia
```



HTML Entity	Appearance
	Non-breaking space; allows for extra white space between words



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	Non-breaking space; allows for extra white space between words
<	<
>	>



HTML Entity	Appearance
	Non-breaking space; allows for extra white space between words
<	<
>	>
<pre>&</pre>	&



HTML Entity	Appearance
	Non-breaking space; allows for extra white space between words
<	<
>	>
&	&
©	©
®	®



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k!DOCTYPE html>
khtml>
  <head>
    <title>My Web Page 2.0</title>
     <meta http-equiv="Content-Type" content="text/html; charset=utf-8">
     <meta name="description" content= "Learning about the most important web tags in html.">
     <meta name="keywords" content= "html, web development">
  </head>
  <body>
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       Additional supporting text
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Summary

- HTML is a plain-text, human-readable language that is used for representing content on the Web
- HTML specifies how to structure the data but not (necessarily) how to display it

HTML uses tags to provide the structure

