Cheatsheet: CSS Overview & HTML5 Elements

Element	Description	Example
<!DOCTYPE html>	All HTML documents must start with this declaration. It tells the browser what document type to expect. Note that this element has no ending tag.	``` <!DOCTYPE html> <html> <head> <title>Document Title</title> </head> <body> Document body here </body> </html> ```
<a href= "path">	This tag, called an "anchor tag" creates hyperlinks using the href attribute. In place of **path** enter the URL or path name to the page you want to link to.	``` IBM ```
<article>	Identifies a self-contained piece of content that could be distributed to other websites and platforms as a stand- alone unit. Similar to <div> tag in that it does not render as anything special in the browser unless it is styled with CSS.	``` <article class="CSS-Style-Reference"> HTML HTML stands for Hypertext Markup Language. It is a standardized system for tagging text files to display specific font, color, graphics, and hyperlinks on World Wide Web pages. </article> ```
<aside>	Defines some content aside from the content it is placed in. Similar to <div> tag in that it does not render as anything special in the browser unless it is styled with CSS.	``` <aside> Use the aside tag to represent a section of a page that consists of content tangentially related to the content. </aside> ```
<body>	Contains the contents of the HTML document. It should contain all other tags besides the <head> element to display the body of the document.	``` <!DOCTYPE html> <html> <head> <title>Document Title</title> </head> <body> Document body here </body> </html> ```

\<div\>	Often used to separate sections in the body of a document in order to style that content with CSS.	`<div>`
		`This element has no particular semantic meaning but is often used`
		`in conjunction with CSS for styling purposes.`
		`</div>`

\<fieldset\>	Groups related elements in a form and puts a box around them.	`<form action= "/script.php">` `<fieldset>` `<legend>User:</legend>` `<label for="fname">First name:</label>` `<input type="text" id="fname" name="fname">  ` `<label for="lname">Last name:</label>` `<input type="text" id="lname" name="lname">  ` `<input type="submit" value="Submit">` `</fieldset>` `</form>`

\<figcaption\>	Used in conjunction with the \<figure\> tag to mark up an image.	`<figure>`
		`<img src="durham.jpg">`
		`<figcaption>Fig.1 - Durham, NC</figcaption>`
		`</figure>`

\<figure\>	Used to mark up an image in conjunction with the \<figcaption\> tag.	`<figure>`
		`<img src="durham.jpg">`
		`<figcaption>Fig.1 - Durham, NC</figcaption>`
		`</figure>`

\<footer\>	Contains a footer of a document and often contains information such as authoring, copyright info, contact info, sitemap, and related documents.	`<footer>`
		`<p>Author: Christopher Moore</p>`
		`</footer>`

\<form\>	Creates an HTML form for user input.	`<form action="/script.php">` `<fieldset>` `<legend>User:</legend>` `<label for= "fname">First name:</label>` `<input type="text" id="fname" name="fname">  ` `<label for= "lname">Last name:</label>` `<input type="text" id="lname" name="lname">  ` `<input type="submit" value="Submit">` `</fieldset>` `</form>`

Tag	Description	Example
\<h1\>	Adds a level 1 heading to the HTML document.	`<h1>Thomas J. Watson</h1>`

\<head\>	Contains metadata and should be placed after the \<html\> tag and before the \<body\> tag.	```html
		<!DOCTYPE html>
		<html>
		<head>
		<title>Document Title</title>
		</head>
		<body>
		Document body here
		</body>
		</html>
		``

\<header\>	A container for introductory content such as heading elements, logo, or authoring information.	```html
		<header>
		 Header tag example
		 It works as a container for introductory content such as heading elements, logo, or authoring information.
		 Author: Christopher Moore
		</header>
		``

\<html\>	The root element of an HTML document. All other tags in the document should be contained in this tag.	```html
		<!DOCTYPE html>
		<html>
		<head>
		<title>Document Title</title>
		</head>
		<body>
		Document body here
		</body>
		</html>
		``

\<img src="path" width="dim1" height="dim2"\>	This tag is used to place an img. In place of path insert a URL or a relative file path to the image location. Other optional attributes include width and height of the image in pixels.	```html
		<img
		src="https://upload.wikimedia.org/wikipedia/commons/7/7e/Thomas_J_Watson_Sr.jpg"
		width="300"
		height="300">
		``

\<input type="?"\>	Specifies an input field on a form with the type attribute. Common input types include: "color," "date," "datetime-local," "email," "number," "range,"	```html
		<form action="/script.php">
		<fieldset>
		<legend>User:</legend>
		<label for="fname">First name:</label>
		<input type="text" id="fname" name="fname">
		
		<label for="lname">Last name:</label>
		<input type="text" id="lname" name="lname">
		
		<input type="submit" value="Submit">
		</fieldset>
		</form>
		``

	"search," "url", "tel,""text" and "submit"	

** **	Element that creates bulleted line items in an ordered or unordered list. Should be used in conjunction with the or tags.	```html
		
		 - Bullet point 1
		 - Bullet point 2
		
		``

<link>	Used to link a CSS document to an HTML document.	```html
		<head>
		<link rel="stylesheet" href="styles.css">
		</head>
		``

<meta>	Used to provide metadata about the HTML document.	```html
		<head>
		<meta name="author" content="Christopher Moore">
		</head>
		``

<nav>	Used to define a set of navigational elements.	```html
		<nav>
		Home
		Page 1
		Page 2
		</nav>
		``

** **	Element that creates an ordered list using numbers. Should be used in conjunction with the tag.	```html
		
		 - Numbered bullet point 1
		 - Numbered bullet point 2
		
		``

<p>	This tag is used to identify a paragraph. It places a line break after the text it is enclosed in.	```html
		 Thomas J. Watson, Sr. is the American
		industrialist, who built the International Business
		Machines Corporation (IBM) into the largest
		manufacturer of electric typewriters and data processing equipment in the world.
		``

<script>	Used to embed Javascript in	```html
		<script>
		alert("Hello World");
		</script>
		``

	an HTML document.	

<section>	Defines an important section of a document. Can be used within headers and footers as well.	<pre><section>
		 <h2>Introduction</h2>
		 <p>This document provides some examples of how to
		 use a variety of HTML elements</p>
		</section></pre>

<style>	Used to apply simple CSS to an HTML document.	<pre><head>
		<style>
		p {color:red}
		</style>
		</head>
		<body>
		<p>This paragraph will be red because I've styled
		the paragraph tag with CSS.</p>
		</body></pre>

<table>	This tag is used to denote a table. Should be used with <tr> (defines a table row) and <td> (defines a table cell within a row) tags. The <th> tag can also be used to define the table header row.	<pre><table>
		<tr>
		<th>Header cell 1</th>
		<th>Header cell 2</th></tr>
		<tr>
		<td>First row first cell</td>
		<td>First row second cell</td>
		</tr>
		<tr>
		<td>Second row first cell</td>
		<td>Second row second cell</td>
		</tr>
		</table></pre>

<td>	Denotes a cell within a row, within a table.	<pre><table>
		<tr>
		<th>Header cell 1</th>
		<th>Header cell 2</th>
		</tr>
		<tr>
		<td>First row first cell</td>
		<td>First row second cell</td>
		</tr>
		<tr>
		<td>Second row first cell</td>
		<td>Second row second cell</td>
		</tr>
		</table></pre>

<th>	Denotes the header cells within a row within a table.	<pre><table>
		<tr>
		<th>Header cell 1</th>
		<th>Header cell 2</th>
		</tr>
		<tr>
		<td>First row first cell</td></pre>

| | | ```html
<td>First row second cell</td>
</tr>
<tr>
<td>Second row first cell</td>
<td>Second row second cell</td>
</tr>
</table>
``` | |
| **&lt;title&gt;** | Defines the title of the HTML document displayed in the browser's title bar and tabs. It is required in all HTML documents. It should be contained in the &lt;head&gt; tag. | ```html
<!DOCTYPE html>
<html>
<head>
<title>Document Title</title>
</head>
<body>
Document body here
</body>
</html>
``` | |
| **&lt;tr&gt;** | Denotes a row within a table. | ```html
<table>
<tr>
<th>Header cell 1</th>
<th>Header cell 2</th>
</tr>
<tr>
<td>First row first cell</td>
<td>First row second cell</td>
</tr>
<tr>
<td>Second row first cell</td>
<td>Second row second cell</td>
</tr>
</table>
``` | |
| **&lt;ul&gt;** | Element that creates an unordered list using bullets. Should be used in conjunction with the &lt;li&gt; tag. | ```html
<ul>
<li>Bullet point 1</li>
<li>Bullet point 2</li>
</ul>
``` | |