

# Cheatsheet: CSS Overview & HTML5 Elements

Element	Description	Example
<code>&lt;!DOCTYPE html&gt;</code>	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.	<pre>&lt;!DOCTYPE html&gt; &lt;html&gt;   &lt;head&gt;     &lt;title&gt;Document Title&lt;/title&gt;   &lt;/head&gt;   &lt;body&gt;     Document body here   &lt;/body&gt; &lt;/html&gt;</pre>
<code>&lt;a href="path"&gt;</code>	This tag, called an "anchor tag" creates hyperlinks using the href attribute. In place of <b>path</b> enter the URL or path name to the page you want to link to.	<pre>&lt;a href="https://www.ibm.com"&gt;IBM&lt;/a&gt;</pre>
<code>&lt;article&gt;</code>	Identifies a self-contained piece of content that could be distributed to other websites and platforms as a stand-alone unit. Similar to <code>&lt;div&gt;</code> tag in that it does not render as anything special in the browser unless it is styled with CSS.	<pre>&lt;article class="CSS-Style-Reference"&gt; &lt;h2&gt;HTML&lt;/h2&gt; &lt;p&gt;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.&lt;/p&gt; &lt;/article&gt;</pre>
<code>&lt;aside&gt;</code>	Defines some content aside from the content it is placed in. Similar to <code>&lt;div&gt;</code> tag in that it does not render as anything special in the browser unless it is styled with CSS.	<pre>&lt;aside&gt; Use the aside tag to represent a section of a page that consists of content tangentially related to the content. &lt;/aside&gt;</pre>
<code>&lt;body&gt;</code>	Contains the contents of the HTML document. It should contain all	<pre>&lt;!DOCTYPE html&gt; &lt;html&gt; &lt;head&gt; &lt;title&gt;Document Title&lt;/title&gt; &lt;/head&gt; &lt;body&gt;   Document body here &lt;/body&gt;</pre>

	other tags besides the <head> element to display the body of the document.	</html>
<div>	Often used to separate sections in the body of a document in order to style that content with CSS.	<pre>&lt;div&gt; This element has no particular semantic meaning but is often used in conjunction with CSS for styling purposes. &lt;/div&gt;</pre>
<fieldset>	Groups related elements in a form and puts a box around them.	<pre>&lt;form action= "/script.php"&gt; &lt;fieldset&gt; &lt;legend&gt;User:&lt;/legend&gt; &lt;label for="fname"&gt;First name:&lt;/label&gt; &lt;input type="text" id="fname" name="fname"&gt;&lt;br&gt;&lt;br&gt; &lt;label for="lname"&gt;Last name:&lt;/label&gt; &lt;input type="text" id="lname" name="lname"&gt;&lt;br&gt;&lt;br&gt; &lt;input type="submit" value="Submit"&gt; &lt;/fieldset&gt; &lt;/form&gt;</pre>
<figcaption>	Used in conjunction with the <figure> tag to mark up an image.	<pre>&lt;figure&gt; &lt;img src="durham.jpg"&gt; &lt;figcaption&gt;Fig.1 - Durham, NC&lt;/figcaption&gt; &lt;/figure&gt;</pre>
<figure>	Used to mark up an image in conjunction with the <figcaption> tag.	<pre>&lt;figure&gt; &lt;img src="durham.jpg"&gt; &lt;figcaption&gt;Fig.1 - Durham, NC&lt;/figcaption&gt; &lt;/figure&gt;</pre>
<footer>	Contains a footer of a document and often contains information such as authoring, copyright info, contact info, sitemap, and related documents.	<pre>&lt;footer&gt; &lt;p&gt;Author: Christopher Moore&lt;/p&gt; &lt;/footer&gt;</pre>

<form>	Creates an HTML form for user input.	<pre> &lt;form action="/script.php"&gt; &lt;fieldset&gt; &lt;legend&gt;User:&lt;/legend&gt; &lt;label for= "fname"&gt;First name:&lt;/label&gt; &lt;input type="text" id="fname" name="fname"&gt;&lt;br&gt;&lt;br&gt; &lt;label for= "lname"&gt;Last name:&lt;/label&gt; &lt;input type="text" id="lname" name="lname"&gt;&lt;br&gt;&lt;br&gt; &lt;input type="submit" value="Submit"&gt; &lt;/fieldset&gt; &lt;/form&gt; </pre>
<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.	<pre> &lt;!DOCTYPE html&gt; &lt;html&gt; &lt;head&gt; &lt;title&gt;Document Title&lt;/title&gt; &lt;/head&gt; &lt;body&gt; Document body here &lt;/body&gt; &lt;/html&gt; </pre>
<header>	A container for introductory content such as heading elements, logo, or authoring information.	<pre> &lt;header&gt; &lt;h1&gt;Header tag example&lt;/h1&gt; &lt;p&gt;It works as a container for introductory content such as heading elements, logo, or authoring information.&lt;/p&gt; &lt;p&gt;Author: Christopher Moore&lt;/p&gt; &lt;/header&gt; </pre>
<html>	The root element of an HTML document. All other tags in the document should be contained in this tag.	<pre> &lt;!DOCTYPE html&gt; &lt;html&gt; &lt;head&gt; &lt;title&gt;Document Title&lt;/title&gt; &lt;/head&gt; &lt;body&gt; Document body here &lt;/body&gt; &lt;/html&gt; </pre>
	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	<pre> &lt;img src="https://upload.wikimedia.org/wikipedia/commons/7/7e/Thomas_J_Watson_Sr.jpg" width="300" height="300"&gt; </pre>

	width and height of the image in pixels.	
<b>&lt;input type="?"&gt;</b>	Specifies an input field on a form with the type attribute. Common input types include: "color," "date," "datetime-local," "email," "number," "range," "search," "url", "tel," "text" and "submit"	<pre>&lt;form action="/script.php"&gt; &lt;fieldset&gt; &lt;legend&gt;User:&lt;/legend&gt; &lt;label for="fname"&gt;First name:&lt;/label&gt; &lt;input type="text" id="fname" name="fname"&gt;&lt;br&gt;&lt;br&gt; &lt;label for="lname"&gt;Last name:&lt;/label&gt; &lt;input type="text" id="lname" name="lname"&gt;&lt;br&gt;&lt;br&gt; &lt;input type="submit" value="Submit"&gt; &lt;/fieldset&gt; &lt;/form&gt;</pre>
<b>&lt;li&gt;</b>	Element that creates bulleted line items in an ordered or unordered list. Should be used in conjunction with the <ul> or <ol> tags.	<pre>&lt;ul&gt; &lt;li&gt;Bullet point 1&lt;/li&gt; &lt;li&gt;Bullet point 2&lt;/li&gt; &lt;/ul&gt;</pre>
<b>&lt;link&gt;</b>	Used to link a CSS document to an HTML document.	<pre>&lt;head&gt; &lt;link rel="stylesheet" href="styles.css"&gt; &lt;/head&gt;</pre>
<b>&lt;meta&gt;</b>	Used to provide metadata about the HTML document.	<pre>&lt;head&gt; &lt;meta name="author" content="Christopher Moore"&gt; &lt;/head&gt;</pre>
<b>&lt;nav&gt;</b>	Used to define a set of navigational elements.	<pre>&lt;nav&gt; &lt;a href="home.html"&gt;Home&lt;/a&gt; &lt;a href="page1.html"&gt;Page 1&lt;/a&gt; &lt;a href="page2.html"&gt;Page 2&lt;/a&gt; &lt;/nav&gt;</pre>
<b>&lt;ol&gt;</b>	Element that creates an ordered list using	<pre>&lt;ol&gt; &lt;li&gt;Numbered bullet point 1&lt;/li&gt; &lt;li&gt;Numbered bullet point 2&lt;/li&gt; &lt;/ol&gt;</pre>

	numbers. Should be used in conjunction with the <li> tag.	
<p>	This tag is used to identify a paragraph. It places a line break after the text it is enclosed in.	<p>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. &lt;/p&gt;</p>
<script>	Used to embed Javascript in an HTML document.	<pre>&lt;script&gt; alert("Hello World"); &lt;/script&gt;</pre>
<section>	Defines an important section of a document. Can be used within headers and footers as well.	<pre>&lt;section&gt; &lt;h2&gt;Introduction&lt;/h2&gt; &lt;p&gt;This document provides some examples of how to use a variety of HTML elements&lt;/p&gt; &lt;/section&gt;</pre>
<style>	Used to apply simple CSS to an HTML document.	<pre>&lt;head&gt; &lt;style&gt; p {color:red} &lt;/style&gt; &lt;/head&gt; &lt;body&gt; &lt;p&gt;This paragraph will be red because I've styled the paragraph tag with CSS.&lt;/p&gt; &lt;/body&gt;</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	<pre>&lt;table&gt; &lt;tr&gt; &lt;th&gt;Header cell 1&lt;/th&gt; &lt;th&gt;Header cell 2&lt;/th&gt;&lt;/tr&gt; &lt;tr&gt; &lt;td&gt;First row first cell&lt;/td&gt; &lt;td&gt;First row second cell&lt;/td&gt; &lt;/tr&gt; &lt;tr&gt; &lt;td&gt;Second row first cell&lt;/td&gt; &lt;td&gt;Second row second cell&lt;/td&gt; &lt;/tr&gt; &lt;/table&gt;</pre>

	table header row.	
<td>	Denotes a cell within a row, within a table.	<pre> &lt;table&gt; &lt;tr&gt; &lt;th&gt;Header cell 1&lt;/th&gt; &lt;th&gt;Header cell 2&lt;/th&gt; &lt;/tr&gt; &lt;tr&gt; &lt;td&gt;First row first cell&lt;/td&gt; &lt;td&gt;First row second cell&lt;/td&gt; &lt;/tr&gt; &lt;tr&gt; &lt;td&gt;Second row first cell&lt;/td&gt; &lt;td&gt;Second row second cell&lt;/td&gt; &lt;/tr&gt; &lt;/table&gt; </pre>
<th>	Denotes the header cells within a row within a table.	<pre> &lt;table&gt; &lt;tr&gt; &lt;th&gt;Header cell 1&lt;/th&gt; &lt;th&gt;Header cell 2&lt;/th&gt; &lt;/tr&gt; &lt;tr&gt; &lt;td&gt;First row first cell&lt;/td&gt; &lt;td&gt;First row second cell&lt;/td&gt; &lt;/tr&gt; &lt;tr&gt; &lt;td&gt;Second row first cell&lt;/td&gt; &lt;td&gt;Second row second cell&lt;/td&gt; &lt;/tr&gt; &lt;/table&gt; </pre>
<title>	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 <head> tag.	<pre> &lt;!DOCTYPE html&gt; &lt;html&gt; &lt;head&gt; &lt;title&gt;Document Title&lt;/title&gt; &lt;/head&gt; &lt;body&gt; Document body here &lt;/body&gt; &lt;/html&gt; </pre>
<tr>	Denotes a row within a table.	<pre> &lt;table&gt; &lt;tr&gt; &lt;th&gt;Header cell 1&lt;/th&gt; &lt;th&gt;Header cell 2&lt;/th&gt; &lt;/tr&gt; &lt;tr&gt; &lt;td&gt;First row first cell&lt;/td&gt; &lt;td&gt;First row second cell&lt;/td&gt; &lt;/tr&gt; &lt;tr&gt; &lt;td&gt;Second row first cell&lt;/td&gt; &lt;td&gt;Second row second cell&lt;/td&gt; &lt;/tr&gt; &lt;/table&gt; </pre>

<ul>	Element that creates an unordered list using bullets. Should be used in conjunction with the <li> tag.	<pre>&lt;ul&gt; &lt;li&gt;Bullet point 1&lt;/li&gt; &lt;li&gt;Bullet point 2&lt;/li&gt; &lt;/ul&gt;</pre>
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