Introduction to Cloud Development with HTML, CSS, and JavaScript

HTML and HTML5 Elements Cheat Sheet

HTML Tags

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.	`<a href="https://www.ibm.com">IBM</a>`

`<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">`
		`  <h2>HTML</h2>`
		`  <p>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.</p>`
		`</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	`<!DOCTYPE html>`
		`<html>`
		`<head>`

	tags besides the <head> element to display the body of the document.	`<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"><br><br>
  <label for= "lname">Last name:</label>
  <input type="text" id="lname"
  name="lname"><br><br>
  <input type="submit" value="Submit">
</fieldset>
</form>
```

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

\<img src="path"	This tag is used to place an img. In place of **path** insert a URL or a relative	`<img` `src="https://upload.wikimedia.org/wikipedia/commons/`

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Tag	Description	Example
width="dim1" height="dim2">	file path to the image location. Other optional attributes include width and height of the image in pixels.	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," "search," "url," "tel," "datalist," "select," "text," "option," and "placeholder."	```<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>```
** **	Element that creates bulleted line items in an ordered or unordered list. Should be used in conjunction with the or tags.	``` - Bullet point 1 - Bullet point 2 ```
<link>	Used to link a CSS document to an HTML document.	```<head> <link rel="stylesheet" href="styles.css"> </head>```
<meta>	Used to provide metadata about the HTML document.	```<head> <meta name="author" content="Christopher Moore"> </head>```
<nav>	Used to define a set of navigational elements.	```<nav> Home Page 1 Page 2 </nav>```
** **	Element that creates an ordered list using numbers. Should be used in conjunction with the tag.	``` - 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.	`<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.`</p>`

`<script>`	Used to embed Javascript in an HTML document.	`<script>`
		  alert("Hello World");
		`</script>`

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

`<style>`	Used to apply simple CSS to an HTML document.	`<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>`

`<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.	`<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>`

<td>	Denotes a cell within a row, within a table.	`<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>`

<th>	Denotes the header cells within a row within a table.	`<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>`

<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.	`<!DOCTYPE html>`
		`<html>`
		`<head>`
		`  `**`<title>`**`Document Title`**`</title>`**
		`</head>`
		`<body>`
		`  Document body here`
		`</body>`
		`</html>`

| `<tr>` | Denotes a row within a table. | ```
<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>
``` |
| `<ul>` | Element that creates an unordered list using bullets. Should be used in conjunction with the `<li>` tag. | ```
<ul>
  <li>Bullet point 1</li>
  <li>Bullet point 2</li>
</ul>
``` |