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.	``` This element has no particular semantic meaning but is often used in conjunction with CSS for styling purposes. ```
\<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> Author: Christopher Moore </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/`

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.	`<ul>`
		  `<li>Bullet point 1</li>`
		  `<li>Bullet point 2</li>`
		`</ul>`

<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>`
		  `<a href="home.html">Home</a>`
		  `<a href="page1.html">Page 1</a>`
		  `<a href="page2.html">Page 2</a>`
		`</nav>`

** **	Element that creates an ordered list using numbers. Should be used in conjunction with the tag.	`<ol>`
		  `<li>Numbered bullet point 1</li>`
		  `<li>Numbered bullet point 2</li>`
		`</ol>`

\<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. | ```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>
``` |
|---|---|---|
| `<th>` | Denotes the header cells within 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>
``` |
| `<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. | ```html
<!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> ``` |
| **\ ** | Element that creates an unordered list using bullets. Should be used in conjunction with the \ tag. | ``` Bullet point 1 Bullet point 2 ``` |