HTML Elements and CSS Formatting for Reference

HTML Reference (partial list only) / NOTE: the character | is used to separate options for an element

Global Attributes / Can be used by all HTML elements		
	id="id"	*unique identifier*
	title="title"	*information that is displayed in some browsers when mouse pointer is over element*
	lang="keyword"	*primary language (from standard abbreviations)*
	dir="ltr | rtl | auto"	*direction of text; ltr - left to right; rtl - right to left;*
	class="class"	*one or more classes for the element (separated by spaces)*
	style="style"	*one or more CSS name-value pairs that apply only to current element*
<head> Elements		
<meta>	*Enables passing of information about a Web page to the user agent that opens it*	
<script></script>	*Contains coding (ex. Javascript)*	
<style></style>	*Encloses CSS styles for current document only*	
<title></title>	*Specifies the text that appears in the title bar or tab of the Web browser*	
Other Elements		
<a>	*Anchor tag ... link to another Web pag or resource*	
	href="filename | url"	*URL of Web page or other resource that opens/traverses to when link is activated*
	target="name | _blank | _self"	*window or tab where resource opens (_blank - new window)*
** **	*Inserts a line break – Self Closing*	
****	*Emphasizes content between opening and closing tags (normally shows italic)*	
<figcaption> </figcaption>	*Caption associated with an image (always enclosed within a <figure> element)*	
<figure></figure>	*Encloses an image and a figure caption as a unit*	
<hr>	*Includes a horizontal line*	
<q></q>	*Pre-formatted for including a quote*	
****	*Contains inline text or elements; enables you to style inline elements*	
****	*Emphasizes content between opening and closing tags (normally shows bold)*	
Audio / Visual Elements		
<audio></audio>	*Inserts an audio clip*	
	autoplay="autoplay | none"	*audio begins playing when page is loaded (without user intervention) if set*
	controls="controls | none"	*requests that the browser display its default playback controls if set*
	height="#"... width="#"	*height and width of element (in pixels)*
	loop="loop | none"	*restart playback each time it reaches the end of the clip if set*
	src="path/filename"	*path/filename to the audio clip*
	type="MIME; codecs='codecs'"	*specifies the container format and codecs used to encode the file*
<img>	*Image tag*	
	src="path/filename | url"	*path/filename or URL to the image*
	alt="text"	*text to display or to be read aloud in place of an image (used with screen readers)*
	height="#"... width="#"	*height and width of element (in pixels)*

<source></source>	Location of an audio or video file (used when source is specified between opening and closing <audio> tags)	
	src="path/filename"	path and filename of an audio or video file
<video></video>	Inserts a video	
	autoplay="autoplay | none"	video begins playing when page is loaded (without user intervention) if set
	controls="controls | none"	requests that the browser display its default playback controls if set
	height="#"... width="#"	height and width of element (in pixels)
	loop="loop | none"	restart playback each time it reaches the end of the clip if set
	poster="path/filename"	specifies path and filename to an image that is displayed before video starts
	src="path/filename"	path and filename to the audio clip
Block-level Elements		
	Block-level element	
<footer></footer>	Contains information about a document that usually appears at the end of a web page (block-level content)	
thru	Pre-formatted header lines	
<header></header>	Contains information about a document that usually appears at the beginning of a web page (block-level content)	
<nav></nav>	Encloses site or page navigation elements; block-level content	
	Paragraph; block-level content	
<section></section>	Encloses content; block-level content	
Form Elements		
<form></form>	Form: includes all the elements that are part of an HTML form	
	name	name to identify the form
	method	"GET" or "POST"
	onSubmit	used to call a Javascript function for client-side scripting
	action	used to call server-side scripting
<input>	Form: denotes an item of data for user entry	
	type="*input type*"	Types: button, checkbox, color, date, month, week, time, datetime, email, file, image, number, password, radio, range, reset, search, submit, tel, text, url
	placeholder="text"	text that appears in input box until user begins to type
	value="value"	the text to be submitted if an element is selected (can be set as a default value)
	other attributes	width (width of text box); checked (used with option buttons or check boxes to show selected); autofocus (which elements gets focus when form is displayed); pattern (specifies an regular expression that a value is checked against) required (must be filled in) size (width of an element)
<fieldset></fieldset>	Form: used to group related controls on a form; used in conjunction with <legend> tag	
<legend></legend>	Form: caption that displays in the grouping border; used in conjunction with <fieldset> tag	
<textarea></textarea>	Form: specifies a multiline area where a user can enter text	
	cols="value"	approximate number of characters that should fit across the box (monospace font)
	rows="value"	specifies how many rows are available for input
List Elements		

** **	*List: creates an ordered list; used in conjunction with <li> tag*	
** **	*List: an unordered list - specifies a list in which the order does not matter; used in conjunction with <li> tag*	
** **	*List: list item content in an ordered (<ol>) or unordered (<ul>) list*	
Table Elements		
<table></table>	*Table: specifies content to present as a table*	
<tbody></tbody>	*Table: encloses all table body rows*	
<td></td>	*Table: specifies the contents of a table data cell*	
	colspan="#"	*number of columns that a cell spans*
	rowspan="#"	*number or rows that a cell spans*
<th></th>	*Table: specifies the contents of a table header cell*	
	colspan="#"	*number of columns that a cell spans*
	rowspan="#"	*number or rows that a cell spans*
<tr></tr>	*Table: encloses table data cells that make up a single table row*	
Link Tag		
<link>	*Used to link to an external file / Used in this class to link to an external CSS file*	
	rel="stylesheet"	*Specifies the relationship between the current document and the linked document*
	href=""	*URL to location of linked document*
	media="" **media="screen"** **media="print"** **max-width:** **min-width:**	*Media Query Setup; specifics for where the document will be displayed* *displayed on a screen* *print setup* *maximum width that screen must be to use the referenced link* *minimum width that screen must be to use the referenced link* *ex. media="screen and (max-width: 500px)"* * would use the referenced link for browsers no wider than 500px*

CSS Formatting (partial list only) / NOTE: the character | is used to separate options

CSS		
background	*The background color or image for an element*	
	background-color:	color name | rgb | hsl | rgba | hsla | url()
	background-image:	url(path/filename)
	background-size:	px | % | cover | contain
	background-repeat:	repeat | no-repeat | repeat-x | repeat-y
border	*Settings for the border around an element. Can be set individually or by using the shortcut version for all (order does not matter in shortcut version). Can also specify one or more sides individually (border-top-color)*	
	border-color:	color name | rgb | hsl | rgba | hsla | url()
	border-style:	dotted | dashed | solid | double | groove | ridge | inset | outset
	border-width:	thin | medium | thick | em value | px value | other supported units
border-collapse	*Determines if adjacent borders for a table are merged*	
	border-collapse:	none (default) | collapse

border-radius		Rounding of specified corner(s) of an element. Note that border-radius can be used without a border
	border-radius:	*Order of values (any supported unit):* top/left ➜ top/right ➜ bottom/right ➜ bottom/left
box-shadow		*Shadow settings around a block element*
	box-shadow:	*Order of values (any supported unit):* horizontal offset (required) ➜ vertical offset (required) ➜ blur (optional-shadow width and lightness) ➜ color
	horizontal offset (required)	*+ (positive) value moves from the right* *- (negative) value moves from the left*
	vertical offset (required)	*+ (positive) value moves from bottom* *- (negative) value moves from top*
	blur distance (optional)	*Only + (positive) values allowed;*
	color	*Colour value*
	Notes:	• Syntax of property can be set based on browser (ex. Firefox: -moz-box-shadow; Safari: -webkit-box-shadow) • If "**inset**" precedes settings, shadow draws inside element • Multiple shadow settings are separated by commas • Shadows do not influence layout or trigger scrolling
clear		*Used to clear floating so page flow starts after floating elements*
	clear:	left | right | both
color		*Foreground colour; normally this refers to text colour (Note: colour with a "u" will not work)*
	color:	color name | rgb | hsl | rgba | hsla | url()
display		*Type of box style*
	display:	block | inline | inline block | list-item | none (element does not display)
float		*Takes element out of normal flow*
	float:	left | right *(used in conjunction with clear style)*
font-family		*Font-family for displayed text*
	font-family:	family name *(ex. Arial, Calibir, Courier New, etc.)*
font-size		*Font-size for displayed text*
	font-size:	supported units *(ex. em, px, or any supported unit)*
font-style		*Determines whether text is displayed as normal or italic*
	font-style:	normal (default) | italic
font-weight		*Determines whether text is displayed as normal or bold*
	font-weight:	normal (default) | bold | shade of bold (100-900)
left, top, right, bottom		*Offset from the specified edge of the enclosing element; normally used with position: fixed | relative | absolute*
	left: top: right: bottom:	supported units *(ex. em, px, %, etc.)*
height, width		*height/width of an element excluding padding, margins, or border sizes*
	height: width:	any supported unit
list-style-image		*Image to be used as a bullet for an ordered or unordered list*
	list-style-image:	url(path/filename)
list-style-type		*Bullet type for an ordered or unordered list*
	list-style-type:	*ordered list (**ol**):* decimal; lower-roman; upper-roman; lower-alpha; upper-alpha; none

		unordered list (**ul**):
		circle; disc; square; none
margin	*Buffer space OUTSIDE of an elements border*	
	margin:	any supported unit
		Shortcut order: top ➔ right ➔ bottom ➔ left
		Can also specify each margin independently (marin-left:)
padding	*Buffer space INSIDE of an elements border*	
	padding:	any supported unit
		Shortcut order: top ➔ right ➔ bottom ➔ left
		Can also specify each padding independently (padding-left:)

position	Positioning method to use on an element	
	position:	fixed | absolute | relative | static
		Fixed – use entire screen as container Absolute – use relative container as starting point unless not specified then uses entire screen Relative – move element relative to current position Static – normal flow (default)
text-align	Horizontal alignment of text	
	text-align:	left | right | center | justify
text-decoration	Other text properties	
	text-decoration:	none | underline | overline | line-through
text-shadow	Shadow behind text	
	text-shadow:	Order of values (any supported unit): horizontal offset (required ➔ vertical offset (required) ➔ blur (optional-shadow width and lightness) ➔ color
	horizontal offset (required)	+ (positive) value moves from the right - (negative) value moves from the left
	vertical offset (required)	+ (positive) value moves from bottom - (negative) value moves from top
	blur distance (optional)	Only + (positive) values allowed;
	color	Colour value
	Notes:	- Syntax of property can be set based on browser (ex. Firefox: -moz-box-shadow; Safari: -webkit-box-shadow) - If "**inset**" precedes settings, shadow draws inside element - Multiple shadow settings are separated by commas - Shadows do not influence layout or trigger scrolling

Flexbox Container CSS

display:	flex;
flex-direction:	row | row-reverse | column | column-reverse
flex-wrap:	nowrap | wrap | wrap-reverse
flex-flow:	flex-direct || flex-wrap (shortcut combination)
justify-content:	flex-start | flex-end | center | space-between | space-around | space-evenly
align-items	flex-start | flex-end | center | baseline | stretch

Flexbox Items CSS

flex:	\<number> \<number> \<number> | auto
	Shortcut combination for flex-grow (default 0), flex-shrink (default 1), flex-basis (default auto)
align-self:	auto | flex-start | flex-end | center | baseline | stretch

CSS Grid CSS

display:	grid;
grid-template-columns:	Defines number and size of grid columns / %, px, fr units can be used
grid-template-rows:	Defines number and size of grid rows / auto, %, px, fr units can be used
grid-template-areas:	Defines a grid item's size and location/placement; grid-areas must also be declared within each block.
gap:	Creates space between columns and/or rows
.	Used to denote an empty grid cell