1   HTML Element Reference

1.1 Basic HTML

Tag	Description
<!DOCTYPE>	Defines the document type
<html>	Defines an HTML document
<head>	Contains metadata/information for the document
<title>	Defines a title for the document
<body>	Defines the document's body
<h1> to <h6>	Defines HTML headings
<p>	Defines a paragraph
 	Inserts a single line break
<hr>	Defines a thematic change in the content
<!--...-->	Defines a comment

1.2 Formatting

Tag	Description
<abbr>	Defines an abbreviation or an acronym
<address>	Defines contact information for the author/owner of a document/article
<b>	Defines bold text
<bdi>	Isolates a part of text that might be formatted in a different direction from other text outside it
<bdo>	Overrides the current text direction
<blockquote>	Defines a section that is quoted from another source
<center>	Not supported in HTML5. Use CSS instead. Defines centered text
<cite>	Defines the title of a work
<code>	Defines a piece of computer code
<del>	Defines text that has been deleted from a document
<dfn>	Specifies a term that is going to be defined within the content
<em>	Defines emphasized text
<font>	Not supported in HTML5. Use CSS instead. Defines font, color, and size for text
<i>	Defines a part of text in an alternate voice or mood
<ins>	Defines a text that has been inserted into a document
<kbd>	Defines keyboard input
<mark>	Defines marked/highlighted text
<meter>	Defines a scalar measurement within a known range (a gauge)

<pre>	Defines preformatted text
<progress>	Represents the progress of a task
<q>	Defines a short quotation
<rp>	Defines what to show in browsers that do not support ruby annotations
<rt>	Defines an explanation/pronunciation of characters (for East Asian typography)
<ruby>	Defines a ruby annotation (for East Asian typography)
<s>	Defines text that is no longer correct
<samp>	Defines sample output from a computer program
<small>	Defines smaller text
<strike>	Not supported in HTML5. Use <del> or <s> instead. Defines strikethrough text
<strong>	Defines important text
<sub>	Defines subscripted text
<sup>	Defines superscripted text
<template>	Defines a container for content that should be hidden when the page loads
<time>	Defines a specific time (or datetime)
<u>	Defines some text that is unarticulated and styled differently from normal text
<var>	Defines a variable
<wbr>	Defines a possible line-break

1.3 Forms and Input

Tag	Description
<form>	Defines an HTML form for user input
<input>	Defines an input control
<textarea>	Defines a multiline input control (text area)
<button>	Defines a clickable button
<select>	Defines a drop-down list
<optgroup>	Defines a group of related options in a drop-down list
<option>	Defines an option in a drop-down list
<label>	Defines a label for an <input> element
<fieldset>	Groups related elements in a form
<legend>	Defines a caption for a <fieldset> element
<datalist>	Specifies a list of pre-defined options for input controls
<output>	Defines the result of a calculation

1.4 Frames

Tag	Description
<frame>	Not supported in HTML5. Defines a window (a frame) in a frameset

<frameset>	Not supported in HTML5.
	Defines a set of frames
<noframes>	Not supported in HTML5.
	Defines an alternate content for users that do not support frames
<iframe>	Defines an inline frame

1.5 Images

Tag	Description
<img>	Defines an image
<map>	Defines a client-side image map
<area>	Defines an area inside an image map
<canvas>	Used to draw graphics, on the fly, via scripting (usually JavaScript)
<figcaption>	Defines a caption for a <figure> element
<figure>	Specifies self-contained content
<picture>	Defines a container for multiple image resources
<svg>	Defines a container for SVG graphics

1.6 Audio / Video

Tag	Description
<audio>	Defines sound content
<source>	Defines multiple media resources for media elements (<video>, <audio> and <picture>)
<track>	Defines text tracks for media elements (<video> and <audio>)
<video>	Defines a video or movie

1.7 Links

Tag	Description
<a>	Defines a hyperlink
<link>	Defines the relationship between a document and an external resource (most used to link to style sheets)
<nav>	Defines navigation links

1.8 Lists

Tag	Description
	Defines an unordered list
	Defines an ordered list
	Defines a list item
<dl>	Defines a description list
<dt>	Defines a term/name in a description list
<dd>	Defines a description of a term/name in a description list

1.9 Tables

Tag	Description
<table>	Defines a table
<caption>	Defines a table caption
<th>	Defines a header cell in a table
<tr>	Defines a row in a table
<td>	Defines a cell in a table
<thead>	Groups the header content in a table
<tbody>	Groups the body content in a table
<tfoot>	Groups the footer content in a table
<col>	Specifies column properties for each column within a <colgroup> element
<colgroup>	Specifies a group of one or more columns in a table for formatting

1.10 Styles and Semantics

Tag	Description
<style>	Defines style information for a document
<div>	Defines a section in a document
<span>	Defines a section in a document
<header>	Defines a header for a document or section
<hgroup>	Defines a header and related content
<footer>	Defines a footer for a document or section
<main>	Specifies the main content of a document
<section>	Defines a section in a document
<search>	Defines a search section
<article>	Defines an article
<aside>	Defines content aside from the page content
<details>	Defines additional details that the user can view or hide
<dialog>	Defines a dialog box or window
<summary>	Defines a visible heading for a <details> element
<data>	Adds a machine-readable translation of a given content

1.11 Programming

Tag	Description
<script>	Defines a client-side script
<noscript>	Defines an alternate content for users that do not support client-side scripts
<embed>	Defines a container for an external (non-HTML) application
<object>	Defines an embedded object
<param>	Defines a parameter for an object

2   HTML Attribute Reference

Attribute	Belongs to	Description
accept	<input>	Specifies the types of files that the server accepts (only for type="file")
accept-charset	<form>	Specifies the character encodings that are to be used for the form submission
accesskey	Global Attributes	Specifies a shortcut key to activate/focus an element
action	<form>	Specifies where to send the form-data when a form is submitted
align	Not supported in HTML 5.	Specifies the alignment according to surrounding elements. Use CSS instead
alt	<area>, <img>, <input>	Specifies an alternate text when the original element fails to display
async	<script>	Specifies that the script is executed asynchronously (only for external scripts)
autocomplete	<form>, <input>	Specifies whether the <form> or the <input> element should have autocomplete enabled
autofocus	<button>, <input>, <select>, <textarea>	Specifies that the element should automatically get focus when the page loads
autoplay	<audio>, <video>	Specifies that the audio/video will start playing as soon as it is ready
bgcolor	Not supported in HTML 5.	Specifies the background color of an element. Use CSS instead
border	Not supported in HTML 5.	Specifies the width of the border of an element. Use CSS instead
charset	<meta>, <script>	Specifies the character encoding
checked	<input>	Specifies that an <input> element should be pre-selected when the page loads (for type="checkbox" or type="radio")
cite	<blockquote>, <del>, <ins>, <q>	Specifies a URL which explains the quote/deleted/inserted text
class	Global Attributes	Specifies one or more classnames for an element (refers to a class in a style sheet)
color	Not supported in HTML 5.	Specifies the text color of an element. Use CSS instead
cols	<textarea>	Specifies the visible width of a text area
colspan	<td>, <th>	Specifies the number of columns a table cell should span
content	<meta>	Gives the value associated with the http-equiv or name attribute

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contenteditable	Global Attributes	Specifies whether the content of an element is editable or not
controls	<audio>, <video>	Specifies that audio/video controls should be displayed (such as a play/pause button etc)
coords	<area>	Specifies the coordinates of the area
data	<object>	Specifies the URL of the resource to be used by the object
data-*	Global Attributes	Used to store custom data private to the page or application
datetime	<del>, <ins>, <time>	Specifies the date and time
default	<track>	Specifies that the track is to be enabled if the user's preferences do not indicate that another track would be more appropriate
defer	<script>	Specifies that the script is executed when the page has finished parsing (only for external scripts)
dir	Global Attributes	Specifies the text direction for the content in an element
dirname	<input>, <textarea>	Specifies that the text direction will be submitted
disabled	<button>, <fieldset>, <input>, <optgroup>, <option>, <select>, <textarea>	Specifies that the specified element/group of elements should be disabled
download	<a>, <area>	Specifies that the target will be downloaded when a user clicks on the hyperlink
draggable	Global Attributes	Specifies whether an element is draggable or not
enctype	<form>	Specifies how the form-data should be encoded when submitting it to the server (only for method="post")
enterkeyhint	Global Attributes	Specifies the text of the enter-key on a virtual keybord
for	<label>, <output>	Specifies which form element(s) a label/calculation is bound to
form	<button>, <fieldset>, <input>, <label>, <meter>, <object>, <output>, <select>, <textarea>	Specifies the name of the form the element belongs to
formaction	<button>, <input>	Specifies where to send the form-data when a form is submitted. Only for type="submit"
headers	<td>, <th>	Specifies one or more headers cells a cell is related to
height	<canvas>, <embed>, <iframe>, <img>, <input>, <object>, <video>	Specifies the height of the element
hidden	Global Attributes	Specifies that an element is not yet, or is no longer, relevant
high	<meter>	Specifies the range that is considered to be a high value
href	<a>, <area>, <base>, <link>	Specifies the URL of the page the link goes to

hreflang	<a>, <area>, <link>	Specifies the language of the linked document
http-equiv	<meta>	Provides an HTTP header for the information/value of the content attribute
id	Global Attributes	Specifies a unique id for an element
inert	Global Attributes	Specifies that the browser should ignore this section
inputmode	Global Attributes	Specifies the mode of a virtual keyboard
ismap	<img>	Specifies an image as a server-side image map
kind	<track>	Specifies the kind of text track
label	<track>, <option>, <optgroup>	Specifies the title of the text track
lang	Global Attributes	Specifies the language of the element's content
list	<input>	Refers to a <datalist> element that contains pre-defined options for an <input> element
loop	<audio>, <video>	Specifies that the audio/video will start over again, every time it is finished
low	<meter>	Specifies the range that is considered to be a low value
max	<input>, <meter>, <progress>	Specifies the maximum value
maxlength	<input>, <textarea>	Specifies the maximum number of characters allowed in an element
media	<a>, <area>, <link>, <source>, <style>	Specifies what media/device the linked document is optimized for
method	<form>	Specifies the HTTP method to use when sending form-data
min	<input>, <meter>	Specifies a minimum value
multiple	<input>, <select>	Specifies that a user can enter more than one value
muted	<video>, <audio>	Specifies that the audio output of the video should be muted
name	<button>, <fieldset>, <form>, <iframe>, <input>, <map>, <meta>, <object>, <output>, <param>, <select>, <textarea>	Specifies the name of the element
novalidate	<form>	Specifies that the form should not be validated when submitted
onabort	<audio>, <embed>, <img>, <object>, <video>	Script to be run on abort
onafterprint	<body>	Script to be run after the document is printed
onbeforeprint	<body>	Script to be run before the document is printed
onbeforeunload	<body>	Script to be run when the document is about to be unloaded

onblur	All visible elements.	Script to be run when the element loses focus
oncanplay	<audio>, <embed>, <object>, <video>	Script to be run when a file is ready to start playing (when it has buffered enough to begin)
oncanplaythrough	<audio>, <video>	Script to be run when a file can be played all the way to the end without pausing for buffering
onchange	All visible elements.	Script to be run when the value of the element is changed
onclick	All visible elements.	Script to be run when the element is being clicked
oncontextmenu	All visible elements.	Script to be run when a context menu is triggered
oncopy	All visible elements.	Script to be run when the content of the element is being copied
oncuechange	<track>	Script to be run when the cue changes in a <track> element
oncut	All visible elements.	Script to be run when the content of the element is being cut
ondblclick	All visible elements.	Script to be run when the element is being double-clicked
ondrag	All visible elements.	Script to be run when the element is being dragged
ondragend	All visible elements.	Script to be run at the end of a drag operation
ondragenter	All visible elements.	Script to be run when an element has been dragged to a valid drop target
ondragleave	All visible elements.	Script to be run when an element leaves a valid drop target
ondragover	All visible elements.	Script to be run when an element is being dragged over a valid drop target
ondragstart	All visible elements.	Script to be run at the start of a drag operation
ondrop	All visible elements.	Script to be run when dragged element is being dropped
ondurationchange	<audio>, <video>	Script to be run when the length of the media changes
onemptied	<audio>, <video>	Script to be run when something bad happens and the file is suddenly unavailable (like unexpectedly disconnects)
onended	<audio>, <video>	Script to be run when the media has reach the end (a useful event for messages like "thanks for listening")
onerror	<audio>, <body>, <embed>, <img>, <object>, <script>, <style>, <video>	Script to be run when an error occurs
onfocus	All visible elements.	Script to be run when the element gets focus
onhashchange	<body>	Script to be run when there has been changes to the anchor part of the a URL
oninput	All visible elements.	Script to be run when the element gets user input

oninvalid	All visible elements.	Script to be run when the element is invalid
onkeydown	All visible elements.	Script to be run when a user is pressing a key
onkeypress	All visible elements.	Script to be run when a user presses a key
onkeyup	All visible elements.	Script to be run when a user releases a key
onload	<body>, <iframe>, <img>, <input>, <link>, <script>, <style>	Script to be run when the element is finished loading
onloadeddata	<audio>, <video>	Script to be run when media data is loaded
onloadedmetadata	<audio>, <video>	Script to be run when meta data (like dimensions and duration) are loaded
onloadstart	<audio>, <video>	Script to be run just as the file begins to load before anything is actually loaded
onmousedown	All visible elements.	Script to be run when a mouse button is pressed down on an element
onmousemove	All visible elements.	Script to be run as long as the mouse pointer is moving over an element
onmouseout	All visible elements.	Script to be run when a mouse pointer moves out of an element
onmouseover	All visible elements.	Script to be run when a mouse pointer moves over an element
onmouseup	All visible elements.	Script to be run when a mouse button is released over an element
onmousewheel	All visible elements.	Script to be run when a mouse wheel is being scrolled over an element
onoffline	<body>	Script to be run when the browser starts to work offline
ononline	<body>	Script to be run when the browser starts to work online
onpagehide	<body>	Script to be run when a user navigates away from a page
onpageshow	<body>	Script to be run when a user navigates to a page
onpaste	All visible elements.	Script to be run when the user pastes some content in an element
onpause	<audio>, <video>	Script to be run when the media is paused either by the user or programmatically
onplay	<audio>, <video>	Script to be run when the media has started playing
onplaying	<audio>, <video>	Script to be run when the media has started playing
onpopstate	<body>	Script to be run when the window's history changes.
onprogress	<audio>, <video>	Script to be run when the browser is in the process of getting the media data

onratechange	<audio>, <video>	Script to be run each time the playback rate changes (like when a user switches to a slow motion or fast forward mode).
onreset	<form>	Script to be run when a reset button in a form is clicked.
onresize	<body>	Script to be run when the browser window is being resized.
onscroll	All visible elements.	Script to be run when an element's scrollbar is being scrolled
onsearch	<input>	Script to be run when the user writes something in a search field (for <input type="search">)
onseeked	<audio>, <video>	Script to be run when the seeking attribute is set to false indicating that seeking has ended
onseeking	<audio>, <video>	Script to be run when the seeking attribute is set to true indicating that seeking is active
onselect	All visible elements.	Script to be run when the element gets selected
onstalled	<audio>, <video>	Script to be run when the browser is unable to fetch the media data for whatever reason
onstorage	<body>	Script to be run when a Web Storage area is updated
onsubmit	<form>	Script to be run when a form is submitted
onsuspend	<audio>, <video>	Script to be run when fetching the media data is stopped before it is completely loaded for whatever reason
ontimeupdate	<audio>, <video>	Script to be run when the playing position has changed (like when the user fast forwards to a different point in the media)
ontoggle	<details>	Script to be run when the user opens or closes the <details> element
onunload	<body>	Script to be run when a page has unloaded (or the browser window has been closed)
onvolumechange	<audio>, <video>	Script to be run each time the volume of a video/audio has been changed
onwaiting	<audio>, <video>	Script to be run when the media has paused but is expected to resume (like when the media pauses to buffer more data)
onwheel	All visible elements.	Script to be run when the mouse wheel rolls up or down over an element
open	<details>	Specifies that the details should be visible (open) to the user
optimum	<meter>	Specifies what value is the optimal value for the gauge

pattern	<input>	Specifies a regular expression that an <input> element's value is checked against
placeholder	<input>, <textarea>	Specifies a short hint that describes the expected value of the element
popover	Global Attributes	Specifies a popover element
popovertarget	<button>, <input>	Specifies which popover element to invokde
popovertargetaction	<button>, <input>	Specifies what happens to the popover element when the button is clicked
poster	<video>	Specifies an image to be shown while the video is downloading, or until the user hits the play button
preload	<audio>, <video>	Specifies if and how the author thinks the audio/video should be loaded when the page loads
readonly	<input>, <textarea>	Specifies that the element is read-only
rel	<a>, <area>, <form>, <link>	Specifies the relationship between the current document and the linked document
required	<input>, <select>, <textarea>	Specifies that the element must be filled out before submitting the form
reversed		Specifies that the list order should be descending (9,8,7...)
rows	<textarea>	Specifies the visible number of lines in a text area
rowspan	<td>, <th>	Specifies the number of rows a table cell should span
sandbox	<iframe>	Enables an extra set of restrictions for the content in an <iframe>
scope	<th>	Specifies whether a header cell is a header for a column, row, or group of columns or rows
selected	<option>	Specifies that an option should be pre-selected when the page loads
shape	<area>	Specifies the shape of the area
size	<input>, <select>	Specifies the width, in characters (for <input>) or specifies the number of visible options (for <select>)
sizes	<img>, <link>, <source>	Specifies the size of the linked resource
span	<col>, <colgroup>	Specifies the number of columns to span
spellcheck	Global Attributes	Specifies whether the element is to have its spelling and grammar checked or not
src	<audio>, <embed>, <iframe>, <img>, <input>, <script>, <source>, <track>, <video>	Specifies the URL of the media file

srcdoc	<iframe>	Specifies the HTML content of the page to show in the <iframe>
srclang	<track>	Specifies the language of the track text data (required if kind="subtitles")
srcset	<img>, <source>	Specifies the URL of the image to use in different situations
start		Specifies the start value of an ordered list
step	<input>	Specifies the legal number intervals for an input field
style	Global Attributes	Specifies an inline CSS style for an element
tabindex	Global Attributes	Specifies the tabbing order of an element
target	<a>, <area>, <base>, <form>	Specifies the target for where to open the linked document or where to submit the form
title	Global Attributes	Specifies extra information about an element
translate	Global Attributes	Specifies whether the content of an element should be translated or not
type	<a>, <button>, <embed>, <input>, <link>, <menu>, <object>, <script>, <source>, <style>	Specifies the type of element
usemap	<img>, <object>	Specifies an image as a client-side image map
value	<button>, <input>, , <option>, <meter>, <progress>, <param>	Specifies the value of the element
width	<canvas>, <embed>, <iframe>, <img>, <input>, <object>, <video>	Specifies the width of the element
wrap	<textarea>	Specifies how the text in a text area is to be wrapped when submitted in a form