LENGUAJEHTML.COM
DOCUMENT AND HEADER TAGS

S Syntax

HTML TAG / ATTRIBUTE SYNTAX

`<tag` `attr` `=` `"value"` `>` `content` `</tag>`

D Document

MAIN TAGS

`<!DOCTYPE html>` HTML5 document
`<html>` document content (root tag)
`<head>` metadata header (related docs)
`<body>` page content (visible content)

G Global

GLOBAL ATTRIBUTES

DOM
`id` element identifier (unique per page)
`class` element class (multiple per page)
`style` inline CSS style (css properties)
`slot` element slot (reference to `<slot>`)

GENERAL
`accesskey` shortcut key (to focus)
`dir` `ltr` `rtl` `auto` text direction
`is` `custom-elem` custom built-in el
`lang` `code` content lang: en,es,fr…
`nonce` `hash` whitelist script/style [CSP]
`title` set tooltip text (mouse hover)
`translate` `yes` `no` disable translation
`tabindex` `num` set element order
`data-*` custom metadata (on element)
`writingsuggestions` `true` `false`

STATUS
`contenteditable` allow edit element
`draggable` `auto` enable drag and drop
`spellcheck` disable grammar check
`popover` convert into popover element
`hidden` hide element (not relevant)
`inert` non-interactive element

HINT
`enterkeyhint` `enter` `done` `search` `go`
`previous` `next` `send` virtual keyb label
`inputmode` `none` `text` `tel` `url` `email`
`numeric` `decimal` `search`

MICRODATA
`itemid` set global unique id
`itemscope` new metadata item
`itemtype` set microdata genre url
`itemref` `id list` set reference to "id"
`itemprop` `token` set property & value

S Style

INLINE STYLES

`<style>` embed css style on document
`title` set title to stylesheet set
`blocking` `render` potentially render-block

<LINK>, PICTURE <SOURCE> <META>, & <STYLE>

`media` apply styles `all` `print` `speech`

C Comment

HTML COMMENT SYNTAX

`<!-- developer notes and comments -->`

L Link (Relations)

RELATIONS

`<link>` document relation
`href` link to related document
`hreflang` `code` doc language: en, es…
`title` set title to stylesheet set
`sizes` hint size favicon (64x64, 96x96…)
`blocking` `render` render-block resource
`rel` relation type (with other document)

RELATIONS VALUES

CSS
`stylesheet` imports a css style sheet
`icon` link to favicon URL (tab icon)

URLS
`alternate` link to alternate version
`author` link to author URL
`help` link to help URL
`search` link to search page URL
`license` link to license URL
`privacy-policy` link to privacy URL
`terms-of-service` link to legal URL

DATA
`manifest` link to PWA `json`
`pingback` link to pingback server

SEO
`canonical` link to preferred URL
`prev` `next` other parts of document

M Meta

DOCUMENT METADATA

`<title>` page document title (tab title)
`<meta>` document metadata
`charset` `enc` encoding: utf-8, …
`name` name of metadata
  `application-name` webapp name
  `author` name of page's author
  `description` seo page description
  `generator` software used to build
  `keywords` comma-separated tags
  `referrer` default page referrer policy
  `theme-color` primary theme css color
  `viewport` hint to initial size viewport
`http-equiv` pragma directive (legacy)
  `refresh` redirect: `10;URL=file.html`
  `content-security-policy` force CSP
`content` metadata value
`<base>` set document base url
  `href` link to base url to use
  `target` `context` place to open link

U URL Loading

RESOURCE HINTS `<LINK REL="..." HREF="...">`

`dns-prefetch` resolve dns domain
`preconnect` pre connect to domain
`expect` wait resource (block render)
`prefetch` fetch/cache link for future
`preload` fetch/cache link for now
`modulepreload` fetch module map
`as` `script` `font` `image` `audio` `video`
`fetch` `document` `embed` `object`
`stylesheet` `track` `worker` file type

SECURITY `<LINK>, <SCRIPT>, <IMG>, ...`

`referrerpolicy` `mode` behaviour
`crossorigin` `mode` CORS support
`integrity` verify integrity hash

S Social Metadata

GOOGLE SEO RECOMMENDATIONS

`<title>` 50-60 characters title
`<meta>` search metadata
`name` metadata name
  `description` 50-160 chars
  `google` disable google features
  `rating` `adult` secure exclude
  `viewport` optimized-mobile
  `robots` `googlebot` behaviour
`content` metadata name
  `noindex` `nofollow` `none`
  `noarchive` `nosnippet` `noodp`
  `notranslate` `noimageindex`
  `unavailable_after:` `date`

SOCIAL NETWORKS

`<meta` `property` `="...">` opengraph
`<meta` `name` `="...">` twitter cards
`content` metadata value

OPENGRAPH   TWITTER CARDS

OPENGRAPH	TWITTER CARDS
`og:title`	`twitter:title`
`og:site_name`	`twitter:site`
`og:description`	`twitter:description`
`og:image`	`twitter:image`

OTHER PROPERTIES

OPENGRAPH
`og:type` content object type
  `music` `video` `article` `book`
  `profile` `website`
`og:url` canonical & absolute full url

TWITTER
`twitter:card` content object type
  `summary` `app` `player`
  `summary_large_image`
`twitter:creator` author @Manz

LENGUAJEHTML.COM
FORMS & INTERACTIVE ELEMENTS

Created by @Manz (https://manz.dev/)   https://lenguajehtml.com/

F Forms

MAIN ELEMENTS

`<form>` form elements collection
`name` form name (document.forms api)
`method` `get` `post` `dialog` send method
`action` url to backend form submission
`accept-charset` `enc` force encoding `utf-8`
`autocomplete` `on` `off` autofill for all form
`autocorrect` `on` `off` disable form autocorrect
`novalidate` bypass form validation
`target` `context` place to put response
`enctype` `multipart/form-data` `text/plain`
`application/x-www-form-urlencoded`
`<label>` associate element with caption
`for` reference to related element `id`

GROUP FORMS

`<fieldset>` group of form elements
`name` name in form `form` link fieldset → form
`disabled` avoid select this group items
`<legend>` caption text for fieldset

I Input

USER INPUT DATA

TEXTAREA+INPUT

`<input>` `<textarea>` short text / large text
`name` name in form `form` link input → form
`autocomplete` `on` `off` autofill for input
`autofocus` focus input when loaded
`dirname` submit element directionality
`placeholder` user visual hint
`type` `text` `hidden` `search` `tel` `url` `email`
`number` `range` `color` `file` `password` `date`
`datetime-local` `time` `week` `month` `radio`
`checkbox` `submit` `image` `reset` `button`

INPUT

`value` current value of input element
`size` size of element (in characters)
`list` associate with `id` of `<datalist>`
`accept` hint for expected file (in upload)
`checked` enable (in radio or checkbox)
`multiple` allow multiple values
`alpha` allow transparency on `<input>` color
`src` url or name of image button

IMAGE

`alt` alternative text to image
`width` `height` image width/height size

SUBMIT

`formaction` `formtarget` `formnovalidate`
`formenctype` `formmethod`
attributes to alter main form submission

AREA

`<textarea>` multiline text input (large text)
`rows` `cols` number of lines and columns
`wrap` wrap text

S Select data

SELECT ELEMENTS

`<select>` form elements collection
`name` form name (document.forms api)
`form` associate input with a form
`size` size of element (in characters)
`autocomplete` `on` `off` autofill input
`autofocus` focus input when loaded
`disabled` avoid press button
`required` required field (def: optional)
`multiple` allow select multiple values
`<selectedcontent>` current option
`<datalist>` predefined & open data list

CHILD ELEMENTS

`<option>` child items of select/datalist
`label` user-visible text
`value` value for form submit
`selected` default selected options
`disabled` disallow option
`<optgroup>` group of `<option>`
`label` user-visible group text
`disabled` avoid select this items

B Button

GENERIC BUTTONS

GENERAL

`<button>` generic button container
`name` button name
`type` `submit` `reset` `button`
`value` button value (submission)
`form` link input → form
`disabled` avoid press button

INVOKERS

`command` `show-popover` `close`
`hide-popover` `toggle-popover`
`request-close` `show-modal` `...`
`commandfor` id of target element

POP

`popovertarget` `id` target element
`popovertargetaction` `toggle`
`show` `hide` action to target element

I Ideogramatic

RUBY ELEMENTS

`<ruby>` ruby annotation wrapper
`<rp>` ruby fallback () `<rt>` ruby text
`<bdo>` force text direction `<bdi>` isolate

E Edit

TEXT SEMANTIC TAGS

`<ins>` `<del>` mark content as add/del
`cite` link to source quotation (optional)
`datetime` date/time change (optional)

I Interactive

INTERACTIVE ELEMENTS

`<details>` accordion or expander
`name` mutually exclusive accordion
`open` keep accordion opened
`<summary>` caption/title for `<details>`
`<dialog>` window box container
`open` keep dialog opened
`closedby` `any` `closerequest` `none`

VISUAL CONTROL ELEMENTS

`<output>` calculation (input/output)
`name` element name
`form` link input → form
`for` link result → other element
`<progress>` show a bar progress
`value` bar progress current value
`max` bar progress max value
`<meter>` show a known range meter
`value` current value of meter
`low` `high` lower/upper limit range
`min` `max` lower/upper bound range
`optimum` optimum value in gauge

V Validations

USER INPUT DATA VALIDATION

TEXT

`minlength` minimum visual size
`maxlength` maximum visual size

MAIN

`required` required field
`disabled` deny edit (not send)
`readonly` deny edit (but send)

NUM

`min` `max` limit value
`step` fine-step between values

P

`pattern` `regexp` test validation

A ARIA

ACCESIBLE RICH INTERNET APPS

`role` accessible role for element
`complementary` `list` `listitem`
`main` `navigation` `region` `tab`
`alert` `application` `article`
`banner` `button` `cell` `checkbox`
`contentinfo` `dialog` `document`
`feed` `figure` `form` `grid`
`gridcell` `heading` `img` `listbox`
`row` `rowgroup` `search` `switch`
`table` `tabpanel` `textbox` `timer`
`aria-label` set a string as label
`aria-hidden` `true` `false`

`<tag>` `attr` `value` `boolean` `default`

G Groups

GROUP ELEMENTS

GENERAL

Tag	Description
`<div>`	generic division or layer (block)
`<p>`	text paragraph
`<hr>`	thematic break
`<pre>`	preformatted text
`<main>`	dominant content
`<search>`	search or filter container
`<blockquote>`	section with quote
`cite`	link to URL with quotation source

LIST & TERMS

Tag	Description
`<ul>` `<ol>`	unorderer & orderer list
`start`	first value of list
`reversed`	backwards list
`type` `1` `a` `A` `i` `I`	kind of marker
`<li>`	item from `<ul>` or `<ol>` list
`value`	ordinal value of item
`<menu>`	toolbar buttons container
`<dl>`	description list container
`<dt>` `<dd>`	description term (name & value)

FIG

Tag	Description
`<figure>`	figure or concept
`<figcaption>`	caption or legend for figure

SEMANTIC TAGS

Tag	Description
`<article>`	entity content (post, comment...)
`<section>`	thematic group of content
`<nav>`	section with navigation links
`<aside>`	secondary content (sidebar, menu...)
`<hgroup>`	header and subheader container
`<h1>` `<h2>` `<h3>` `<h4>` `<h5>` `<h6>`	headings
`<header>`	introductory header group
`<footer>`	section footer group
`<address>`	contact information group

T Table

TABLE ELEMENTS

Tag	Description
`<table>`	table container
`<caption>`	title of table (optional)
`<thead>`	table header (includes headers)
`<tbody>`	table body (includes body data)
`<tfoot>`	table footer (includes summary)

COLUMNS

Tag	Description
`<col>` `<colgroup>`	col/group of columns
`span`	number of columns to span

ITEMS

TR / TD

Tag	Description
`<tr>`	table row (horizontal container)
`<th>` `<td>`	table header & table cell data
`colspan`	number of columns to span
`rowspan`	number of rows to span
`headers`	one or more `id` of `<th>` elements

TH

Tag	Description
`scope` `auto` `row` `col` `rowgroup` `colgroup`	
`abbr`	short abbreviated description

T Text

TEXT SEMANTIC TAGS

TEXT

Tag	Description
`<span>`	generic text division (inline)
`<em>`	emphatized text (← `<i>`)
`<strong>`	important text (← `<b>`)
`<mark>`	highlight text (← `<u>`)
`<i>`	alternate voice/mood (legacy)
`<b>`	w/o extra purposes (legacy)
`<u>`	non-textual data span (legacy)
`<s>`	no longer relevant (strike text)

MEANING

Tag	Description
`<sub>` `<sup>`	sub/superscript
`<small>`	side comments (small print)
`<cite>`	title of a work (book, song...)
`<q>`	another source quoted group
`cite`	link to source url (optional)
`<dfn>`	defining instance of a term
`title`	full term (optional)
`<abbr>`	abbreviation of acronymm
`title`	abbreviation expansion

TECHNICAL

Tag	Description
`<var>`	math or programming variable
`<samp>`	computing system sample
`<kbd>`	user input (keyboard shortcut)
`<data>`	machine-data to text
`value`	machine-readable value
`<time>`	machine-date to date
`datetime`	machine-datetime
`<code>`	fragment of computer code

BRK

Tag	Description
` `	line-break (visual enter)
`<wbr>`	line-break hint (long words)

A Anchors

HYPERLINKS & AREA MAP

Tag	Description
`<a>` `<area>`	link / image map area
`href`	link to url or filename
`hreflang` `code`	language: en, es...
`download`	same name download
`download`	specific name download
`rel` `alternate` `author` `bookmark` `external` `help` `license` `prev` `next` `search` `tag` `opener` `noopener` `noreferrer` `nofollow`	
`target` `context`	place to open link
`ping`	url list space-separated to ping
`referrerpolicy` `mode`	referer policy

ONLY FOR `<AREA>`

Tag	Description
`shape` `rect` `circle` `poly`	
`coords`	coords list for shape
`alt`	alternative when no images

I Images

IMAGES / PICTURE NEXT-GEN

`JPG` `PNG` `SVG` `WEBP` `AVIF` `JXL` `APNG`

IMG

Tag	Description
`<img>`	show image element
`src`	link to URL image source
`alt`	alternative text if no image
`width` `height`	size (no CLS)
`loading` `auto` `lazy` `eager`	lazy
`decoding` `auto` `sync` `async`	
`fetchpriority` `auto` `high` `low`	
`usemap`	imagemap name
`ismap`	server-side map img part
`<map>`	imagemap `<a>` & `<area>`
`name`	imagemap used `usemap`

PICT / SRC

Tag	Description
`<picture>`	multiple img container
`<source>`	alternative source image
`src`	link to url img source
`type`	MIME `video/mp4; codecs="..."`
`media`	resource media query
`srcset`	image list candidates

SRC / IMG

Tag	Description
`width`	a.jpg 300w, b.jpg 600w...
`density`	a.jpg 1x, b.jpg 2x...
`sizes`	rendered width list `640w`

M Multimedia

VIDEO / AUDIO CONTAINER

`MP4` `WEBM` `HEVC` `AV1` `OGV`
`MP3` `AAC` `OGG` `OPUS` `FLAC` `WAV`

AUDIO / VIDEO

Tag	Description
`<video>` `<audio>`	media parent
`src`	link to URL video audio source
`preload`	buffering media hints
`auto` `metadata` `none`	
`autoplay`	autoplay (interact user)
`loop`	restart when finished
`muted`	silence media by default
`controls`	show play, pause...

VIDEO

Tag	Description
`poster`	cover image (before play)
`width` `height`	video/audio size
`playsinline`	try play video inline

VIDEO / AUDIO CHILD

Tag	Description
`<source>`	alternative source media
`src`	link to url media source
`type`	MIME `video/mp4;codecs='...'`
`<track>`	external subtitles/tracks
`src`	url subtitle `srclang` language
`label`	user-visible text track
`kind` `subtitles` `descriptions` `captions` `chapters` `metadata`	
`default`	set default enabled track

E Embedded

EXTERNAL CONTENT (IFRAME)

`<iframe>`	embedded content
`src`	link to url resource (website, file…)
`srcdoc`	document content (html syntax)
`name`	name context for target attribute
`loading` `auto` `lazy` `eager`	lazy load
`allowfullscreen`	iframe fullscreen
`width` `height`	horizontal/vertical sizes
`<fenced-frame>`	privacy-focus iframe (js)
`width` `height`	horizontal/vertical sizes

IFRAME SECURITY, PRIVACY & POLICY

`sandbox` `allow-scripts`
`allow-modals` `allow-forms`
`allow-orientation-lock`
`allow-downloads` `allow-popups`
`allow-pointer-lock` `...`
`allow` `feature` features allowed
`fullscreen` `autoplay` `geolocation`
`payment` `camera` `display-capture`
`picture-in-picture` `clipboard-read`
`clipboard-write` `...`
`referrerpolicy` `mode` behaviour

LEGACY EMBED/OBJECT

`<embed>`	external non-html content
`<object>`	external resource multipurpose
`<param>`	external resource multipurpose

EXPERIMENTAL TAGS

`<model>`	embed interactive 3d model
`src`	link to model url `.GLB` / `.USDZ`
`<portal>`	guest embedded (~iframe)
`src`	link to url (website, file…)

P SVG Path

POWERFUL PATHS

`<path>`	define a outline of a shape
`d`	command/coords space-separated
`pathLength`	total length of the path

PATH COMMANDS GUIDE

`M` `m`	Move to	path begins · M10,30
`Z` `z`	Close path	path ends · Z
`L` `l`	Line to	draw line · L90,90
`H` `h`	Horiz line to	horizontal line · H40
`V` `v`	Vert line to	vertical line · V20
`C` `c`	Cubic Bézier	C30,90 25,10 50,10
`S` `s`	Smooth C.B.	S70,90 90,90
`Q` `q`	Quadratic Bézier	Q90,60 50,90
`T` `t`	Smooth Q.B.	T30,0 30,0 30,0
`A` `a`	Elliptical Arc	A20,20 0,0,1 50,30

S SVG

SCALAR VECTORIAL GRAPHICS TAGS

SVG / GROUP

`<svg>`	svg container (standalone svg)
`viewBox` `x` `y` `width` `height`	
`width` `height`	viewport size
`preserveAspectRAtio` `align` `option`	
`align` `none` `x ***` `Y ***` `Min` `Mid` `Max`	
`option` `meet` `slice`	
`<g>`	related group container

META

`<title>`	short text title alternative
`<desc>`	detailed textual information
`<metadata>`	metadata elements container

REUSE

`<defs>`	referenced elements container
`<symbol>`	set reuse template (no render)
`<use>`	reference another element (reuse)
`href`	url link to be cloned for rendering

BASIC SHAPES

`<rect>` rectangle		`<line>` segment	
`x` `y` position		`x1` `y1` start point	
`width` `height` sizes		`x2` `y2` end point	
`rx` `ry` radius		`pathLength` total	
`<circle>`		`<ellipse>`	
`cx` `cy` center position		`cx` `cy` center position	
`r` radius		`rx` `ry` radius	
`<polyline>` `<polygon>` line/closed shape			
`points` set of coords space-separated			
`pathLength` total length of the path			

TEXT / IMAGE ELEMENTS

TEXT+TSPAN

`<text>` `<tspan>`	text layer & text container
`x` `y`	start position of text
`dx` `dy`	relative position of descendant
`rotate` `number`	rotate degrees per glyph

TEXTPATH

`<textPath>`	put text on path
`path`	equivalent of `d` attribute `<path>`
`href`	url reference to `<path>`
`startOffset` `length`	offset from start path
`method` `align` `stretch`	how render glyph
`spacing` `align` `auto`	space between glyph
`side` `left` `right`	side of the path to render

ALL

`lengthAdjust` `spacing` `spacingAndGlyphs`	
`textLength` `number`	length per glyph

S SVG

SVG IMAGES
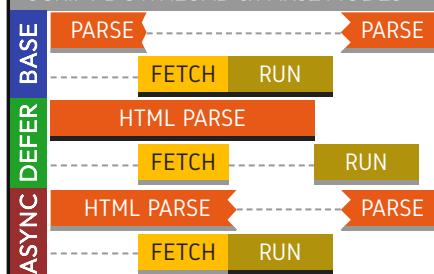
`<image>`	set reference to image
`href`	url link to image to rendering
`preserveAspectRatio` `align` `option`	
`crossorigin`	CORS support

S Scripting

SCRIPTING ELEMENTS

`<script>`	include dynamic script
`src`	link to script (instead inline)
`type`	associate fieldset → form
`text/javascript`	classic mode
`module`	load javascript module
`importmap`	set module list (json)
`speculationrules`	predictions
`application/json`	data block
`nomodule`	fallback for old browsers
`defer`	defer script execution
`async`	exec script when available
`blocking` `render`	render-block
`fetchpriority` `auto` `high` `low`	

SCRIPT DOWNLOAD & PARSE MODES

BASE PARSE ---- PARSE / FETCH RUN

DEFER HTML PARSE / FETCH ---- RUN

ASYNC HTML PARSE / PARSE / FETCH RUN

JAVASCRIPT-RELATED TAGS

`<noscript>`	scripting is disabled
`<template>`	inert html (to clone)
`shadowrootmode` `open` `closed`	
`<slot>`	create separate DOM trees
`name`	shadow tree slot name
`<canvas>`	create bitmap canvas (js)
`width` `height`	canvas size
`<custom-elem>`	encapsulated DOM

A SVG Attrs

STYLE SVG ATTRIBUTES

`fill` `black` `color`	fills colorshape
`fill-rule` `nonzero` `eventodd`	
`fill-opacity` `1` `opacity`	alpha
`stroke` `none` `color`	set color line
`stroke-width` `1` `width`	width line
`stroke-opacity` `1` `opacity`	
`stroke-linecap`	
`butt` `round` `square`	limit type
`stroke-linejoin` `miter`	
`miter-clip` `round` `bevel` `arcs`	
`stroke-miterlimit` `4` `number`	
`stroke-dasharray`	
`none` `numberlist`	pattern
`stroke-dashoffset` `0` `number`	