S HTML Syntax — Tag structure

HTML TAG/ATTRIBUTE SYNTAX

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

D Document tags — HTML main structure

MAIN TAGS

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

G Global Attributes — for all elements

DOM / STYLE ATTRIBUTES

- `id` element identifier unique per page
- `class` element class multiple per page
- `slot` element slot reference to `<slot>`
- `style` inline CSS styles css properties

GLOBAL ATTRIBUTES

- `accesskey` shortcut key to focus
- `contenteditable` allow edit element
- `dir` `ltr` `rtl` `auto` text direction
- `draggable` `auto` enable drag and drop
- `hidden` hide element not relevant
- `is` `custom-elem` custom built-in elem
- `lang` `code` set content lang en, es, fr...
- `nonce` `hash` whitelist script/style [CSP]
- `spellcheck` disable grammar check
- `tabindex` `num` set element order
- `title` set tooltip text mouse hover
- `translate` `yes` `no` disable translation
- `data-*` custom metadata on element

HINT TO BROWSER

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

MICRODATA ATTRIBUTES

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

S Inline Styling — CSS inline

INLINE STYLES

- `<style>` embed css style in a document
- `title` set title to stylesheet set
- `type` `mime` hint type for browser

ONLY FOR `<LINK>` PICTURE `<SOURCE>` & `<STYLE>`

- `media` apply to specific devices
- `all` all devices computers, mobiles...
- `print` printables devices
- `screen` all devices - (print + speech)
- `speech` devices that read a page

CHEATSHEET LEGEND

- `html tag`
- `html tag w/o close tag`
- `obsolete`
- `attribute`
- `attribute w/o value`
- `value`
- `default value`
- `values set`
- `value for content`
- `value part`

C Comment Syntax — Dev annotations

HTML COMMENT SYNTAX

`<!-- text without effects on webpage -->`

H Head tags — Header & document metadata

RELATIONS

- `<link>` document relation
- `href` link to related document
- `hreflang` `code` doc language en, es...
- `type` `mime` hint type for browser
- `title` set title to stylesheet set
- `sizes` hint size for favicon 64x64, 96x96
- `rel` relation type with other document

BASIC RELATION

- `alternate` link to alternate version
- `author` link to author URL
- `help` link to help URL
- `icon` link to favicon URL (tab icon)
- `license` fetch module map
- `pingback` link to pingback server
- `search` link to search page url
- `stylesheet` imports a css style sheet

URL STRUCTURE RELATION

- `canonical` link to preferred URL
- `prev` prev part URL of series doc
- `next` next part URL of series doc

RESOURCE HINTS

- `dns-prefetch` resolve dns domain
- `preconnect` pre connect to domain
- `prefetch` fetch/cache link for future
- `preload` fetch/cache link for now
- `modulepreload` fetch module map
- `prerender` background render page
- `as` `script` `font` `image` `audio` `video` `fetch` `document` `embed` `object` `style` `track` `worker`

DOCUMENT METADATA

- `<meta>` document metadata
- `charset` `enc` encoding utf-8, iso-8859-1...
- `name` name of metadata
  - `application-name` short webapp name
  - `author` name of the page's author
  - `description` seo page description
  - `generator` software used to build web
  - `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)
  - `content-type` legacy alt. to charset
  - `default-style` default stylesheet set
  - `refresh` html redirect 10; URL=file.html
  - `x-ua-compatible` better compat IE=edge
  - `content-security-policy` enforce csp
- `content` metadata value
- `<title>` seo document title
- `<base>` set a document base url
- `href` link to base url to use
- `target` `context` place to open link

S Social metadata — For social networks

FACEBOOK OPEN GRAPH

- `<meta>` metadata tag for open graph
- `property` metadata type open graph
- `content` metadata value open graph

REQUIRED METADATA PROPERTIES

- `og:title` title of your object
- `og:type` type of your object
  - `music` `video` `article` `book` `profile` `website`
- `og:image` image url for preview
- `og:url` canonical & absolute url

OPTIONAL METADATA PROPERTIES

- `og:audio` complementary audio url
- `og:description` 1-2 sentence descr.
- `og:determiner` word auto, the, a, an, ...
- `og:locale` language default: en_US
- `og:locale:alternative` others lang array
- `og:site_name` general site name
- `og:video` complementary video url

TWITTER CARDS

- `<meta>` metadata tag for twitter cards
- `name` metadata type twitter cards
- `content` metadata value twitter cards

BASIC METADATA PROPERTIES

- `twitter:title` title of your object
- `twitter:card` type of your object
  - `summary` `summary_large_image` `app` `player`

OPTIONAL METADATA PROPERTIES

- `twitter:site` account site name
- `twitter:creator` account name @manz
- `twitter:description` description
- `twitter:image` absolute image url

APP METADATA PROPERTIES

- `twitter:app:country` country code
- `twitter:app:name: ****` name of app
- `twitter:app:id: ****` identifier of app
- `twitter:app:url: ****` url of app store
- `iphone` `ipad` `googleplay` id for ****

PLAYER METADATA PROPERTIES

- `twitter:player` https url to iframe player

GOOGLE SEO RECOMMENDATIONS

- `<title>` first - second | brand 50-60 chars
- `<meta>` metadata google-supported
- `name` metadata name
  - `description` text snippet 50-160 chars
  - `robots` `googlebot` set bots behaviour
    - `all` `noindex` `nofollow` `none` `noarchive` `nosnippet` `noodp` `notranslate` `noimageindex` `unavailable_after:` `date`
  - `google` disable google features
    - `notranslate` `nositelinkssearchbox`
  - `rating` `adult` exclude secure search
  - `viewport` optimized-mobile page
    - content="width=device-width, initial-scale=1.0"

F Forms — Forms related tags

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
novalidate	bypass form validation
target `context`	place to put response
enctype `application/x-www-form-urlencoded`	
`multipart/form-data` `text/plain`	encoding type
<label>	associate element with caption
for	reference to `id` of related element

GROUP FORMS

<fieldset>	group of form elements
name	element name *forms.elements api*
form	associate fieldset with a form
disabled	avoid select this group items
<legend>	caption text for fieldset

I Input elements — User input types

USER INPUT DATA

<input> **<textarea>**	specific & large text
name	element name *form.elements api*
autocomplete `on` `off`	autofill for input
autofocus	focus input when loaded
dirname	submit element directionality
form	associate input with a form
placeholder	user visual hint

ONLY <INPUT> ELEMENT

<input>	specific text input *short text*
type `text` `hidden` `search` `tel` `url` `email`	
`number` `range` `color` `file` `password`	
`datetime-local` `date` `time` `week` `month`	
`checkbox` `radio` `submit` `image` `reset` `button`	
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

ONLY IMAGE <INPUT> ELEMENT

src	url or name of image button
alt	alternative text to image
width height	image width/height size

ONLY <TEXTAREA> ELEMENT

<textarea>	multiline text input *large text*
rows cols	number of lines and columns
wrap	wrap text

ALTER FORM SUBMISSION — ONLY SUBMIT <INPUT> & <BUTTON>

formaction formtarget formnovalidate
formenctype formmethod
attributes to alter main form submission

R Ruby tags — Ruby Markup tags

RUBY ELEMENTS

<ruby>	ruby annotation *E.Asian-like chars*
<rp>	ruby fallback parenthesis *wrapper*
<rt>	ruby text *pronunciation, translation...*

S Select data tags — Interactive combo

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 for input
autofocus	focus input when loaded
disabled	avoid press button
required	required field *default: optional*
multiple	allow select multiple values
<datalist>	predefined and open data list

SELECT CHILDREN ELEMENTS

<option>	item from **<select>** or **<datalist>**
label	user-visible text *instead content*
value	item value *for form submit*
selected	options selected by default
disabled	avoid select this item option
<optgroup>	group of **<option>**
label	user-visible group text
disabled	avoid select this items

B Generic Button — HTML Button

HTML GENERIC <BUTTON>

<button>	generic button container
name	element name *form.elements api*
type `submit` `reset` `button`	button type
value	button value *for form submission*
form	associate input with a form
autofocus	focus button when loaded
disabled	avoid press button

D Deprecated tags — Obsolete elements

DEPRECATED TAG			RECOMMENDED TAG
<applet>	java widgets		**<embed>** **<object>**
<acronym>	abbreviation		**<abbr>**
<basefont>	main font *use CSS instead*	
<big>	bigger text *use CSS font-size*	
<bgsound>	background sound		**<audio>**
<blink>	flicker text *use CSS animation*	
<center>	center text *use CSS text-align*	
<dir>	directory list *use lists instead*		** **
<font>	set font features *use CSS instead*	
<frame> **<frameset>**	frames		**<iframe>**
<marquee>	move text *use CSS animation*	
<multicol>	col layout *use CSS columns*	
<noframes>	frames fallback *no supported*	
<isindex>	search in page		**<input>**
<keygen>	keypair gen *use webcrypto API*	
<listing>	preformatted text		**<pre>** **<code>**
<menuitem>	context menu *no supported*	
<nextid>	auto id generated *no supported*	
<nobr>	no break *use CSS instead*	
<noembed>	no embed fallback		**<object>**
<plaintext>	plain text fragment		**<pre>**
<rb> **<rtc>**	ruby base & container		**<ruby>**
<spacer>	whitespace *use CSS instead*	
<strike>	strikethrough text		**<s>** **<del>**
<tt>	teletype text *use CSS instead*	
<xmp>	code block *use <*		**<pre>** **<code>**

I Interactive tags — Other elements

OTHER FORM ELEMENTS

<output>	result of calculation
name	element name *forms.elements api*
form	associate input with a form
for	associate result to other element
<progress>	show a bar progress
value	current value of bar progress
max	max value of bar progress
<meter>	show a known range meter
value	current value of meter
low	limit of low range
high	limit of high range
min	lower bound of range
max	upper bound of range
optimum	optimum value in gauge

OTHER INTERACTIVE ELEMENTS

<details>	disclosure widget *html accordion*
open	keep accordion opened
<summary>	caption or title for **<details>**
<dialog>	window box container *dialog box*
open	keep dialog opened

V Validations — HTML validations

USER INPUT DATA

TEXT VALIDATIONS — <INPUT> & <TEXTAREA>

minlength maxlength	min/max length

GENERAL VALIDATIONS — <INPUT> & <TEXTAREA>

required	required field *default: optional*
disabled	avoid edit field *not send*
readonly	avoid edit field *send*

NUMBER VALIDATIONS — ONLY <INPUT>

min max	min/max value number
step	granularity step between values

POWERFUL VALIDATIONS — ONLY <INPUT>

pattern `REGEXP`	pattern for test validation

A ARIA Attributes — Accesible elements

ACCESIBLE RICH INTERNET APPLICATIONS

role	specify 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-checked `true` `false` `mixed`	
aria-selected	set current state

LABELS

aria-label	specify a string as label
aria-labelledby	specify `id` as label elem

RELATIONSHIPS

aria-owns	set `id` element as child
aria-activedescendant	set `id` as active
aria-describedby	set `id` as description
aria-posinset	specify position in set
aria-setsize	specify size of set

G Groups tags — Block elements

GENERAL GROUP TAGS

- `<div>` generic division or layer block
- `<p>` text paragraph
- `<hr>` thematic break
- `<pre>` preformatted text
- `<main>` dominant contents
- `<blockquote>` section with quote
  - `cite` link to url with quotation source

LISTS & TERMS

- `<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
- `<dl>` description list container
- `<dt>` `<dd>` description term name & value

FIGURE & CAPTIONS

- `<figure>` figure or concept
- `<figcaption>` caption or legend for figure

SEMANTIC TAGS

- `<article>` entity content post, comment...
- `<section>` thematic group of content
- `<nav>` section with navigation links
- `<aside>` secondary content sidebar, menu
- `<h1>` `<h2>` ... `<h6>` heading section
- `<header>` introductory header group
- `<footer>` section footer group
- `<address>` contact information group

T Tables tags — Tabular data

TABLE ELEMENTS

- `<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

- `<col>` `<colgroup>` col & group of columns
  - `span` number of columns to span

ITEMS

- `<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

ONLY FOR `<TH>` ELEMENT

- `scope` `auto` `row` `col` `rowgroup` `colgroup`
- `abbr` short abbreviated description

T Target destination

KEYWORDS & TARGET DESTINATION

- `target` browser destination
  - `_self` current place same page
  - `_blank` new place new tab page
  - `_parent` parent place else _self
  - `_top` root parent place else _self
  - `name` custom place iframe or other

T Text tags — Inline elements

TEXT SEMANTIC TAGS

- `<em>` emphatized text replace for `<i>`
- `<strong>` important text replace for `<b>`
- `<mark>` highlight text replace for `<u>`
- `<i>` alternate voice/mood legacy tag
- `<b>` span w/o extra purposes legacy tag
- `<u>` non-textual data span legacy tag
- `<sub>` `<sup>` subscript and superscript
- `<small>` side comments small print
- `<var>` math or programming variable
- `<samp>` sample from computing system
- `<kbd>` user input (keyboard shortcut)
- `<dfn>` defining instance of a term
  - `title` full term optional
- `<abbr>` abbreviation or acronym
  - `title` expansion of abbreviation optional
- `<cite>` title of a work book, film, song...
- `<q>` quoted group from another source
  - `cite` link to source url optional
- `<br>` line break visual enter
- `<wbr>` line break opportunity long words
- `<s>` no longer accurate/relevant strike text
- `<data>` associate machine-data to text
  - `value` machine-readable value
- `<time>` associate machine-date to date
  - `datetime` machine-readable date-time
- `<code>` fragment of computer code

H Hyperlinks — Link to another resource

HYPERLINKS & AREA MAP

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

ATTRIBUTES ONLY FOR `<AREA>` ELEMENT

- `shape` `rect` `circle` `poly`
- `coords` coords list for shape
- `alt` replacement text when no images

E Edit tags — Edit elements

TEXT SEMANTIC TAGS

- `<ins>` `<del>` addition or removal from doc
  - `cite` link to source quotation optional
  - `datetime` date/time of change optional

S Security & Privacy — Edit elements

POLICIES `<IMG>`, `<VIDEO>`, `<AUDIO>`, `<LINK>` or `<SCRIPT>`

- `crossorigin` CORS support
  - `anonymous` `use-credentials`
- `referrerpolicy` set how referer works
  - `no-referrer` `no-referrer-when-downgrade` `same-origin` `origin` `strict-origin` `unsafe-url` `origin-when-cross-origin` `strict-origin-when-cross-origin`

I Image tags — Picture content

IMAGES `JPG` `PNG` `SVG` `WEBP` `JPGXR` `JPG2000` `GIF` `APNG`

- `<img>` image simple or legacy fallback
  - `src` link to url image source required
  - `alt` alternative text if no image required
  - `width` `height` horizontal & vertical size
  - `loading` set lazy loading strategy
    - `auto` browser decides
    - `lazy` candidate for lazy loading
    - `eager` load right away
  - `usemap` name of image map to use
  - `ismap` image is part of server-side map
  - `decoding` `sync` `async` `auto` hint to decode
- `<map>` image map used w/ `<a>` & `<area>`
  - `name` imagemap used in `usemap`

NEXT-GEN IMAGES

- `<picture>` multiple image container
- `<source>` new alternative source image
  - `src` link to url image source simple mode
  - `type` MIME type optional
  - `media` media query of resource media

PICTURE `<SOURCE>` & `<IMG>` ATTRIBUTES

- `srcset` image list candidates comma-sep
  - `width` a1.jpg 300w, a2.jpg 600w, ...
  - `density` b1.jpg 1x, b2.jpg 2x, ...
- `sizes` final rendered width list 640w

M Multimedia tags

VIDEO OR AUDIO CONTAINER ELEMENTS

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

- `<video>` `<audio>` media container
  - `src` link to url video audio source
  - `preload` hints how much buffering needs
    - `auto` browser decides
    - `metada` fetch metadata only
    - `none` save bandwidth and no download
  - `autoplay` autoplay only if user interact
  - `loop` restart when finished
  - `muted` silence media by default
  - `controls` show play, pause... controls

ONLY FOR `<VIDEO>` ELEMENT

- `poster` cover image prior to playback
- `width` `height` horizontal & vertical size
- `playsinline` browser try play video inline

VIDEO OR AUDIO CHILDREN ELEMENT

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

E Embedded tags — External content

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 *iframe*
  - **allowfullscreen** allow iframe fullscreen
  - **allowpaymentrequest** allow payments
  - **width** **height** horizontal & vertical sizes

<IFRAME> SECURITY, PRIVACY & POLICY ATTRIBUTES
- **sandbox** `allow-forms` `allow-modals`
  - `allow-orientation-lock` `allow-pointer-lock`
  - `allow-popups-to-escape-sandbox` `allow-scripts`
  - `allow-same-origin` `allow-presentation`
  - `allow-top-navigation-by-user-activation`
  - `allow-top-navigation` `allow-popups`
- **allow** `feature` allow access to feature
  - `ambient-light-sensor` `autoplay` `accelerometer`
  - `camera` `display-capture` `document-domain`
  - `encrypted-media` `fullscreen` `geolocation`
  - `gyroscope` `magnetometer` `microphone` `midi`
  - `payment` `picture-in-picture` `speaker` `sync-xhr`
  - `usb` `wake-lock` `webauthn` `vr`
- **referrerpolicy** `mode` referer behaviour

LEGACY EMBED/OBJECT TAGS
- **<embed>** external non-html content
  - **src** link to url resource
  - **type** type of embedded resource
  - **width** **height** horizontal & vertical sizes
- **<object>** external resource multipurpose
  - **data** link to url resource
  - **type** type of embedded resource
  - **name** name context for **target** attribute
  - **usemap** name of image map to use
  - **form** associates element with form **id**
  - **width** **height** horizontal & vertical sizes
- **<param>** external resource multipurpose
  - **name** **value** name & value of parameter

EXPERIMENTAL TAGS
- **<portal>** guest embedded content ~iframe
  - **src** link to url resource *website, file, ...*
  - **referrerpolicy** `mode` referer behaviour

S SVG paths — Scalar Vectorial Graphics

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 30,0
A **a**	Elliptical Arc	A20,20 0,0,1 50,30

S SVG tags — Scalar Vectorial Graphics

MAIN TAGS
- **<svg>** svg container *standalone svg*
  - **viewBox** `minx` `miny` `width` `height`
  - **width** **height** viewport size
  - **preserveAspectRatio** `align` `option`
  - **align** `none` `x***Y***` `Min` `Mid` `Max`
  - **option** `meet` `slice`
- **<g>** related group container

SVG METADATA
- **<title>** short text title alternative
- **<desc>** detailed textual information
- **<metadata>** metadata elems. container

CONTENT FOR REUSE
- **<defs>** referenced elements container
- **<symbol>** set reuse template *no render*
- **<use>** reference another element *reuse*
  - **href** a url link to be cloned for rendering
- **<switch>** reference another element
  - **<***>** direct child of **<switch>**
  - **systemLanguage** `code`

BASIC SHAPES
- **<rect>** define a rectangle
  - **x** **y** horizontal & vertical position
  - **width** **height** horizontal & vertical sizes
  - **rx** **ry** horizontal & vertical radius
- **<circle>** define a circle
  - **cx** **cy** horizontal & vertical center coord
  - **r** radius of the circle
- **<ellipse>** define a ellipse
  - **rx** **ry** horizontal & vertical radius
  - **cx** **cy** horizontal & vertical center coord
- **<line>** define a line segment
  - **x1** **y1** start point (x,y) of line segment
  - **x2** **y2** end point (x,y) of line segment
  - **pathLength** total length of the path
- **<polyline>** **<polygon>** line / closed shape
  - **points** set of coords space-separated
  - **pathLength** total length of the path

TEXT & IMAGE ELEMENTS
- **<text>** **<tspan>** text layer & text container
  - **x** **y** start position of text
  - **dx** **dy** relative position of descendant
  - **lengthAdjust** `spacing` `spacingAndGlyphs`
  - **rotate** `number` rotate degrees per glyph
  - **textLength** `number` length per glyph
- **<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** `exact` `auto` space between glyph
  - **side** `left` `right` side of the path to render
  - **lengthAdjust** `spacing` `spacingAndGlyphs`
  - **textLength** `number` length per glyph
- **<image>** set reference to image
  - **href** a url link to image to rendering
  - **preserveAspectRatio** `align` `option`
  - **crossorigin** CORS support

S Scripting tags — Javascript elements
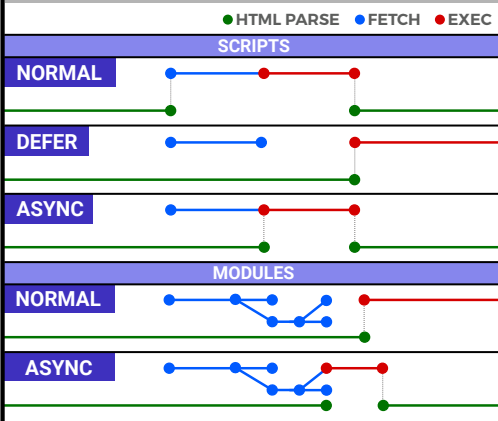
SCRIPTING ELEMENTS
- **<script>** include dynamic script
  - **src** link to script.js *instead inline script*
  - **type** associate fieldset with a form
    - `text/javascript` javascript file *default .js*
    - `application/json` JSON data block *file .json*
    - `module` javascript module *module .mjs*
  - **nomodule** fallback for old browsers
  - **defer** defer script execution
  - **async** exec script when available

SECURITY & PRIVACY
- **referrerpolicy** `mode` referer behaviour
- **crossorigin** `mode` CORS support
- **integrity** verify integrity hash of **src** file

SCRIPT DOWNLOAD & PARSE MODES
● HTML PARSE ● FETCH ● EXEC

S Other scripting tags — Javascript elements

JAVASCRIPT-RELATED TAGS
- **<noscript>** show if no scripting enabled
- **<template>** inert html fragments to clone
- **<slot>** create separate DOM trees
  - **name** name of shadow tree slot
- **<canvas>** rendering graphs, art, etc...
  - **width** **height** horizontal & vertical size
- **<custom-elem>** user custom element tag

S SVG Attrs — Style SVG attributes

STYLE SVG ATTRIBUTES
FILL SHAPE
- **fill** `black` `color` fills shape with a color
- **fill-rule** `nonzero` `evenodd` algorithm inside
- **fill-opacity** `1` `opacity` alpha channel

LINE (STROKE)
- **stroke** `none` `color` set color line
- **stroke-width** `1` `width` set width line
- **stroke-opacity** `1` `opacity` alpha channel
- **stroke-linecap** `butt` `round` `square` limit type
- **stroke-linejoin** `miter` `miter-clip` `round` `bevel` `arcs`
- **stroke-miterlimit** `4` `number` limit on ratio
- **stroke-dasharray** `none` `number array` pattern
- **stroke-dashoffset** `0` `number` array offset

OTHERS (CSS ATTRIBUTES)
- **transform** `css transform` apply transform
- **class** `id` `style` html attributes inherit