



## Elements & Attributes

Element	Attributes	Description
<b>Root</b>		
html	<b>manifest</b>	Root element
1 head		Container for document metadata
1 title		Document title
0..* meta	http-equiv; name; content; <b>charset</b>	Text metadata
0..* link	rel; type; href; media; hreflang; <b>sizes</b>	Link metadata
0..* style	type; src; <b>media</b> ; <b>scoped</b>	Embedded styling information
0..* script	type; src; <b>async</b> ; <b>defer</b> ; charset	Embedded script
0..1 noscript		Fallback content for script
0..1 base	href; target	Base URL and default target browsing context for hyperlinks and forms
1 body		Document body
<b>Sectioning</b>		
1 header		Introductory or navigational aids for a page or section
1 footer		Footer for a page or section
nav		Section with navigational links
article		Self-contained syndicatable or reusable composition
details	open	Disclosure control for hiding details
summary		Caption for details
aside		Sidebar for tangentially related content
section		Generic document or application section
hr		Thematic break
menu	<b>type</b> ; <b>label</b>	Menu of commands
command	type; label; icon; disabled; checked; radiogroup; title	Menu command
<b>Flow Elements</b>		
hgroup		Heading group
h1, h2, h3, h4, h5, h6		Section heading
p		Paragraph
pre		Block of preformatted text
address		Contact information for a page or section
dl		Definition List: Association list consisting of zero or more name-value groups
1..* dt		Definition Term: Legend for corresponding dd element(s)
1..* dd		Definition Description: Content for corresponding dt element(s)
ol	<b>start</b> ; <b>reversed</b>	Ordered list
ul		Unorderd list
1..* li	<b>value</b> *	List item
blockquote	cite	A section quoted from another source

Table

	<b>table</b>	<b>summary</b>	Table
0..1	<b>caption</b>		Table caption
	<b>colgroup</b>	<b>span</b>	Group of columns in a table
1..*	<b>col</b>	<b>span</b>	Table column
1..*	<b>tr</b>		Table row
	<b>th</b>	<b>colspan; rowspan; headers; scope</b>	Table header cell
1..*	<b>td</b>	<b>colspan; rowspan; headers</b>	Table data cell
	<b>thead</b>		Group of heading rows in a table
	<b>tbody</b>		Group of rows in a table
	<b>tfoot</b>		Group of footer rows in a table
<b>Embedded Content</b>			
0..1	<b>figure</b>		Figure with optional caption
0..1	<b>figcaption</b>		Caption for figure
	<b>img</b>	<b>src; alt; usemap; ismap; width; height</b>	Image
	<b>canvas</b>	<b>width; height</b>	Scriptable bitmap canvas
	<b>video</b>	<b>src; preload; autoplay; loop; controls; poster; width; height</b>	Video player
	<b>audio</b>	<b>src; preload; autoplay; loop; controls</b>	Audio player
0..*	<b>source</b>	<b>src; type; media</b>	Media source for video or audio
	<b>embed</b>	<b>src; type; width; height; any*</b>	Plugin
	<b>object</b>	<b>data; type; name; usemap; form; width; height</b>	Image, nested browsing context, or plugin
1..*	<b>param</b>	<b>name; value</b>	Parameter for object
	<b>iframe</b>	<b>src; srcdoc; name; sandbox; seamless; width; height</b>	Nested browsing context
	<b>map</b>	<b>id</b>	Image map
1..*	<b>area</b>	<b>href; shape; coords; target; rel; media; ping; hreflang; type; alt;</b>	Hyperlink or dead area on an image map
<b>Form</b>			
	<b>form</b>	<b>accept-charset; action; autocomplete; enctype; method; name; novalidate; target</b>	User-submittable form
	<b>label</b>	<b>for; form</b>	Caption for a form control
	<b>output</b>	<b>for; name; form</b>	Calculated output value
	<b>progress</b>	<b>value; max; form</b>	Progress bar
	<b>input</b>	<See Form table>	Form control
	<b>button</b>	<See Form table>	Button control
	<b>keygen</b>	<See Form table>	Cryptographic key-pair generator form control
	<b>select</b>	<See Form table>	List box control
	<b>datalist</b>		Container for options for combo box control
1	<b>option</b>	<See Form table>	Option in a list box or combo box control
	<b>optgroup</b>	<See Form table>	Group of options in a list box
1..*	<b>textarea</b>	<See Form table>	Multiline text field
0..*	<b>meter</b>	<See Form table>	Gauge
	<b>fieldset</b>	<See Form table>	Group of form controls
	<b>legend</b>		Caption for fieldset

Phrasing Elements		
a	href; target; rel; <b>media</b> ; <b>ping</b> ; hreflang; type	Hyperlink
strong		Importance
em		Stress emphasis
sub		Subscript
sup		Superscript
ins	cite; datetime	An addition to the document
del	cite; datetime	A removal from the document
<b>time</b>	pubdate; datetime	Date and/or time
<b>mark</b>		Highlight
abbr	title	Abbreviation
q	cite	Quotation
code		Computer code
samp		Computer output
var		Variable
kbd		User input
cite		Title of a work
dfn	title	Defining instance
bdo	dir	Text directionality formatting
small		Side comment
<b>ruby</b>		Ruby annotation(s)
<b>rp</b>		Parenthesis for ruby annotation text
<b>rt</b>		Ruby annotation text
br		Line break, e.g. in poem or postal address
<b>wbr</b>		Line breaking opportunity
b		Keywords
i		Alternate voice
div		Generic flow container
span	lang	Generic phrasing container (It seems like usefull only for identifying the text language)



## Form

	string	string	string	boolean	boolean	boolean	boolean	num	num	int>=0	regex	boolean	id	num>0	boolean	boolean	MIME	string	string	url		
input[type='search']	name	value	placeholder	autofocus	disabled	readonly	required			maxlength	pattern	autocomplete	list									size
input[type='text']	name	value	placeholder	autofocus	disabled	readonly	required			maxlength	pattern	autocomplete	list									size
input[type='tel']	name	value	placeholder	autofocus	disabled	readonly	required			maxlength	pattern	autocomplete	list									size
input[type='url']	name	value	placeholder	autofocus	disabled	readonly	required			maxlength	pattern	autocomplete	list									size
input[type='email']	name	value	placeholder	autofocus	disabled	readonly	required			maxlength	pattern	autocomplete	list									size
input[type='password']	name	value	placeholder	autofocus	disabled		required	min	max	maxlength	pattern	autocomplete										size
input[type='file']	name	value		autofocus	disabled	readonly	required															multiple
input[type='number']	name	value		autofocus	disabled	readonly	required	min	max			autocomplete	list	step								size
input[type='datetime']	name	value		autofocus	disabled	readonly	required	min	max			autocomplete	list	step								
input[type='datetime-local']	name	value		autofocus	disabled	readonly	required	min	max			autocomplete	list	step								
input[type='date']	name	value		autofocus	disabled	readonly	required	min	max			autocomplete	list	step								
input[type='time']	name	value		autofocus	disabled	readonly	required	min	max			autocomplete	list	step								
input[type='month']	name	value		autofocus	disabled	readonly	required	min	max			autocomplete	list	step								
input[type='week']	name	value		autofocus	disabled	readonly	required	min	max			autocomplete	list	step								
input[type='range']	name	value		autofocus	disabled			min	max			autocomplete	list	step								
input[type='color']	name	value		autofocus	disabled							autocomplete	list									
input[type='radio']	name	value		autofocus	disabled		required															
input[type='checkbox']	name	value		autofocus	disabled		required															checked
input[type='hidden']	name	value																				
input[type='button']	name	value		autofocus	disabled																	
input[type='submit']	name	value		autofocus	disabled																	form
input[type='reset']	name	value		autofocus	disabled																	
input[type='image']	name	value		autofocus	disabled																	alt src form
button[type='button']	name	value		autofocus	disabled																	
button[type='submit']	name	value		autofocus	disabled																	form
button[type='reset']	name	value		autofocus	disabled																	
keygen	name			autofocus	disabled																	challenge keytype
textarea	name		placeholder	autofocus	disabled	readonly	required			maxlength												wrap
select	name			autofocus	disabled																	size
optgroup						disabled																label
datalist																						
option		value			disabled																	selected label
fieldset	name				disabled																	
legend																						
meter		value				low	high	min	max	optimum												

## Attributes & Values

Attribute	Value	Element(s)
<b>Global Attributes</b>		
<b>id</b>	string	Any
<b>lang</b>	lang	Any
<b>title</b>	string	Any
<b>tabindex</b>	int	Any
<b>accesskey</b>	Ordered set of unique space-separated tokens consisting of one Unicode code point in length	Any
<b>spellcheck</b>	"true"; "false"	Any
<b>contenteditable</b>	"true"; "false"	Any
<b>contextmenu</b>	ID*	Any
<b>draggable</b>	"true"; "false"	Any
<b>hidden</b>	boolean	Any
<b>dir</b>	"ltr"; "rtl"	Any
<b>class</b>	string(s)	Any
<b>style</b>	CSS*	Any
<b>Table Attributes</b>		
<b>colspan</b>	int>0	td; th
<b>headers</b>	IDs	td; th
<b>rowspan</b>	int>=0	td; th
<b>scope</b>	"row"; "col"; "rowgroup"; "colgroup"	th
<b>span</b>	int>0	col; colgroup
<b>summary</b>	string	table
<b>Form Attributes</b>		
<b>accept</b>	Set of comma-separated tokens* consisting of valid MIME types with no parameters or audio/*, video/*, or image/*	input
<b>accept-charset</b>	Ordered set of unique space-separated tokens consisting of preferred MIME names of ASCII-compatible character encodings*	form
<b>action</b>	URL	form
<b>autocomplete</b>	"on"; "off"	form; input
<b>autofocus</b>	boolean	button; input; keygen; select; textarea
<b>challenge</b>	string	keygen
<b>checked</b>	boolean	command; input
<b>cols</b>	int>=0	textarea
<b>disabled</b>	boolean	button; command; fieldset; input; keygen; optgroup; option; select; textarea
<b>enctype</b>	"application/x-www-form-urlencoded"; "multipart/form-data"; "text/plain"	form
<b>label</b>	<b>for</b>	ID*
<b>output</b>	<b>for</b>	IDs

<b>form</b>	ID*	button; fieldset; input; keygen; label; meter; object; output; progress; select; textarea
<b>formaction</b>	URL	button; input
<b>formenctype</b>	"application/x-www-form-urlencoded"; "multipart/form-data"; "text/plain"	button; input
<b>formmethod</b>	"GET"; "POST"; "PUT"; "DELETE"	button; input
<b>formnovalidate</b>	boolean	button; input
<b>formtarget</b>	Valid browsing context name or keyword	button; input
<b>high</b>	num	meter
<b>keytype</b>	string	keygen
<b>label</b>	string	command; menu; optgroup; option;
<b>list</b>	ID*	input
<b>input</b>	<b>max</b>	varies*
<b>meter; progress</b>	<b>max</b>	num
	<b>maxlength</b>	int>=0
<b>input</b>	<b>method</b>	"GET"; "POST"; "PUT"; "DELETE"
	<b>min</b>	varies*
<b>meter</b>	<b>min</b>	num
	<b>multiple</b>	boolean
<b>button; fieldset; input; keygen; output; select; textarea</b>	<b>name</b>	string
		button; fieldset; input; keygen; output; select; textarea
<b>form</b>	<b>name</b>	string
	<b>novalidate</b>	boolean
	<b>optimum</b>	num
	<b>pattern</b>	regex
	<b>placeholder</b>	string
	<b>readonly</b>	boolean
	<b>required</b>	boolean
	<b>rows</b>	int>0
	<b>selected</b>	boolean
	<b>size</b>	int>0
<b>button; option</b>	<b>step</b>	num>0; "any"
	<b>target</b>	Valid browsing context name or keyword
	<b>value</b>	string
		button; option
<b>input</b>	<b>value</b>	varies*
	<b>wrap</b>	"soft"; "hard"
<b>The Rest of Attributes</b>		
<b>meta</b>	<b>alt</b>	string*
	<b>async</b>	boolean
	<b>autoplay</b>	boolean
<b>script</b>	<b>charset</b>	Preferred MIME name of an encoding*
	<b>charset</b>	Preferred MIME name of an encoding*

<b>cite</b>	URL	blockquote; del; ins; q
<b>content</b>	string*	meta
<b>controls</b>	boolean	audio; video
<b>coords</b>	Valid list of integers*	area
<b>data</b>	URL	object
<b>datetime</b>	g.date&time	del; ins
<b>datetime</b>	date; time	time
<b>defer</b>	boolean	script
<b>height</b>	int>=0	canvas; embed; iframe; img; input; object; video
<b>href</b>	URL	a; area
<b>href</b>	URL	link
<b>href</b>	URL	base
<b>hreflang</b>	lang	a; area; link
<b>http-equiv</b>	string*	meta
<b>icon</b>	URL	command
<b>ismap</b>	boolean	img
<b>loop</b>	boolean	audio; video
<b>low</b>	num*	meter
<b>manifest</b>	URL	html
<b>media</b>	"screen"; "print"; "projection"; "tv"; "handheld"; "tty"; "braille"; "aural"; " <b>3d-glasses</b> "; "all"	a; area; link; source; style
<b>iframe; object</b>	<b>name</b>	Valid browsing context name or keyword
	<b>map</b>	name
	<b>meta</b>	name
	<b>param</b>	name
	<b>open</b>	boolean
	<b>poster</b>	URL
	<b>preload</b>	"none"; "metadata"; "auto"
	<b>pubdate</b>	boolean
	<b>radiogroup</b>	string
	<b>rel</b>	Set of space-separated tokens*
	<b>reversed</b>	boolean
	<b>sandbox</b>	Unordered set of unique space-separated tokens consisting of "allow-same-origin", "allow-forms", and "allow-scripts"
	<b>scoped</b>	boolean
	<b>seamless</b>	boolean
	<b>shape</b>	"circle"; "default"; "poly"; "rect"
	<b>sizes</b>	Unordered set of unique space-separated tokens consisting of sizes*
	<b>src</b>	URL
	<b>srcdoc</b>	The source of an iframe srcdoc document*

	<b>start</b>	int	ol
	<b>target</b>	Valid browsing context name or keyword	a; area
	<b>target</b>	Valid browsing context name or keyword	base
abbr; dfn	<b>title</b>	string	abbr; dfn
command	<b>title</b>	string	command
link	<b>title</b>	string	link
link; style	<b>title</b>	string	link; style
a; area; link	<b>type</b>	Valid MIME type	a; area; link
command	<b>type</b>	"command"; "checkbox"; "radio"	command
embed; object; script; source; style	<b>type</b>	Valid MIME type	embed; object; script; source; style
menu	<b>type</b>	"context"; "toolbar"	menu
	<b>usemap</b>	Valid hash-name reference*	img; object
li	<b>value</b>	int	li
meter; progress	<b>value</b>	num	meter; progress
param	<b>value</b>	string	param
	<b>width</b>	int>=0	canvas; embed; iframe; img; input; object; video

## jQuery Events

Event	Description
<b>Window</b>	
load	Loading document
unload	Closing document
<b>Mouse</b>	
click	Single click
dblclick	Double click
mousedown	Pressing mouse button
mouseup	Releasing mouse button
mousemove	Moving mouse pointer (over the element?)
mouseover	Mouse pointer over the element
mouseout	Mouse pointer out of the element
<b>Keyboard</b>	
keydown	Pressing key
keyup	Releasing key
keypress	Pressing & releasing key
<b>Form</b>	
focus	Focusing on element
blur	Losing focus on element
change	Modifying element's content/value
select	Selecting an option from <select> element
scroll	Scrolling scrollbar (typically in <textarea> element)
submit	Sending values to server
<b>Misc.</b>	
error	Error occurring
resize	Resizing element
<b>AJAX</b>	
ajaxSend	Before sending Ajax request
ajaxStart	Starting sending Ajax request
ajaxComplete	Finishing sending Ajax request
ajaxStop	Finishing sending all Ajax requests
ajaxSuccess	Accomplishing Ajax request successfully
ajaxError	Failing to send Ajax request

## Syntex Guideline

*	Indicates that the actual rules are more complicated than indicated in the table above.
n..n	Cardinality: Number of element instances allowed under its parent.
<b>Bold</b>	Means new element/attribute, i.e. supported in HTML5 only.
Gray	Means not recommended.

