**pattern**

**HTML elements reference**

[**Content sectioning**](https://developer.mozilla.org/en-US/docs/Web/HTML/Element#content_sectioning)**n**

Content sectioning elements allow you to organize the document content into logical pieces. Use the sectioning elements to create a broad outline for your page content,

| **Element** | **Description** |
| --- | --- |
| [<address>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/address) | indicates that the enclosed HTML provides contact information for a person or people, or for an organization. |
| [<article>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/article) | The **<article>** [HTML](https://developer.mozilla.org/en-US/docs/Web/HTML) element represents a self-contained composition in a document, page, application, or site,  Examples include: a forum post, a magazine or newspaper article, or a blog entry, a product card, a user-submitted comment, an interactive widget or gadget, or any other independent item of content. |
| [<aside>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/aside) | represents a portion of a document whose content is only indirectly related to the document's main content. |
| [<main>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/main) | element represents the dominant content of the body of a document. |
| [<nav>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/nav) | provide navigation links, |
| [<section>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/section) | represents a generic standalone section of a document, |
| attr |  |
| integrity | Specifies a [Subresource Integrity](https://developer.mozilla.org/en-US/docs/Web/Security/Subresource_Integrity) value that allows browsers to verify what they fetch. <link> and <script> |
|  |  |
|  |  |

[**Text content**](https://developer.mozilla.org/en-US/docs/Web/HTML/Element#text_content)

| **Element** | **Description** |
| --- | --- |
| [<blockquote>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/blockquote) | indicates that the enclosed text is an extended quotation. |
| [<dd>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/dd) | The **<dd>** [HTML](https://developer.mozilla.org/en-US/docs/Web/HTML) element provides the description, |
| [<dl>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/dl) | The **<dl>** [HTML](https://developer.mozilla.org/en-US/docs/Web/HTML) element represents a description list. |
| [<dt>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/dt) | element specifies a term in a description or definition list, |
| [<figcaption>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/figcaption) | represents a caption or legend describing the rest of the contents of its parent |
| [<figure>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/figure) | The **<figure>** [HTML](https://developer.mozilla.org/en-US/docs/Web/HTML) element represents self-contained content, potentially with an optional caption, |
| [<hr>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/hr) | represents a thematic break between paragraph- |
| [<menu>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/menu) | no different than ul. It represents an unordered list of items |
| [<ol>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/ol) | represents an ordered list of items |
| [<ul>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/ul) | The **<ul>** [HTML](https://developer.mozilla.org/en-US/docs/Web/HTML) element represents an unordered list of items, |
| attr |  |
| input mode | Provides a hint as to the type of data that might be entered by the user while editing the element or its contents. The attribute can be used with form controls (such as the value of textarea elements), or in elements in an editing host (e.g., using contenteditable attribute). |
| [reversed](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/ol#attr-reversed) | Indicates whether the list should be displayed in a descending order instead of an ascending order. |
| start | Defines the first number if other than 1. of ol |
|  |  |

[**Inline text semantics**](https://developer.mozilla.org/en-US/docs/Web/HTML/Element#inline_text_semantics)

| **Element** | **Description** |
| --- | --- |
| [<abbr>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/abbr) | The **<abbr>** [HTML](https://developer.mozilla.org/en-US/docs/Web/HTML) element represents an abbreviation |
| [<bdi>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/bdi) | The **<bdi>** [HTML](https://developer.mozilla.org/en-US/docs/Web/HTML) element tells the browser's bidirectional algorithm |
| [<bdo>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/bdo) | The **<bdo>** [HTML](https://developer.mozilla.org/en-US/docs/Web/HTML) element overrides the current directionality of text, so that the text within is rendered in a different direction. |
| [<cite>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/cite) | The **<cite>** [HTML](https://developer.mozilla.org/en-US/docs/Web/HTML) element is used to describe a reference to a cited creative work, and must include the title of that work. The reference may be in an abbreviated form according to context-appropriate conventions related to citation metadata. |
| [<data>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/data) | The **<data>** [HTML](https://developer.mozilla.org/en-US/docs/Web/HTML) element links a given piece of content with a machine-readable translation. If the content is time- or date-related, the time element must be used. |
| [<dfn>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/dfn) | The **<dfn>** [HTML](https://developer.mozilla.org/en-US/docs/Web/HTML) element is used to indicate the term being defined within the context of a definition phrase or sentence. |
| [<em>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/em) | The **<em>** [HTML](https://developer.mozilla.org/en-US/docs/Web/HTML) element marks text that has stress emphasis. The <em> element can be nested, with each level of nesting indicating a greater degree of emphasis. |
| [<kbd>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/kbd) | The **<kbd>** [HTML](https://developer.mozilla.org/en-US/docs/Web/HTML) element represents a span of inline text denoting textual user input from a keyboard, voice input, or any other text entry device. |
| [<mark>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/mark) | represents text which is **marked** or **highlighted** for reference |
| [<q>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/q) | indicates that the enclosed text is a short inline quotation. |
| [<s>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/s) | renders text with a strikethrough, or a line through it. |
| [<samp>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/samp) | The **<samp>** [HTML](https://developer.mozilla.org/en-US/docs/Web/HTML) element is used to enclose inline text which represents sample (or quoted) output from a computer program. |
| [<small>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/small) | The **<small>** [HTML](https://developer.mozilla.org/en-US/docs/Web/HTML) element represents side-comments and small print, like copyright and legal text, independent of its styled presentation. |
| [<sub>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/sub) | The **<sub>** [HTML](https://developer.mozilla.org/en-US/docs/Web/HTML) element specifies inline text which should be displayed as subscript for solely typographical reasons |
| [<time>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/time) | The **<time>** [HTML](https://developer.mozilla.org/en-US/docs/Web/HTML) element represents a specific period in time. |
| [<var>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/var) | The **<var>** [HTML](https://developer.mozilla.org/en-US/docs/Web/HTML) element represents the name of a variable in a mathematical expression |
| [<wbr>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/wbr) | The **<wbr>** [HTML](https://developer.mozilla.org/en-US/docs/Web/HTML) element represents a word break opportunity—a position within text where the browser may optionally break a line, |
| attr |  |
|  |  |
|  |  |
|  |  |

[**Image and multimedia**](https://developer.mozilla.org/en-US/docs/Web/HTML/Element#image_and_multimedia)

| **Element** | **Description** |
| --- | --- |
| [<area>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/area) | The **<area>** [HTML](https://developer.mozilla.org/en-US/docs/Web/HTML) element defines an area inside an image map that has predefined clickable areas. An *image map* allows geometric areas on an image to be associated with Hyperlink. |
| [<map>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/map) | The **<map>** [HTML](https://developer.mozilla.org/en-US/docs/Web/HTML) element is used with area elements to define an image map (a clickable link area). |
| [<track>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/track) | The **<track>** [HTML](https://developer.mozilla.org/en-US/docs/Web/HTML) element is used as a child of the media elements, audio and video |
| att |  |
| coords | A set of values specifying the coordinates of the hot-spot region. |
| cross origin | How the element handles cross-origin requests |
| default | Indicates that the track should be enabled unless the user's preferences indicate something different. |
| ismap | Indicates that the image is part of a server-side image map. |
| kind | Specifies the type of key generated. |
| ping | The ping attribute specifies a space-separated list of URLs to be notified if a user follows the hyperlink. |
| poster | A URL indicating a poster frame to show until the user plays or seeks. |
|  |  |

[**Embedded content**](https://developer.mozilla.org/en-US/docs/Web/HTML/Element#embedded_content)

| **Element** | **Description** |
| --- | --- |
| [<embed>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/embed) | The **<embed>** [HTML](https://developer.mozilla.org/en-US/docs/Web/HTML) element embeds external content at the specified point in the document |
| [<object>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/object) | represents an external resource, which can be treated as an image, a nested browsing context, or a resource to be handled by a plugin. |
| [<picture>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/picture) | The **<picture>** [HTML](https://developer.mozilla.org/en-US/docs/Web/HTML) element contains zero or more source elements and one img element to offer alternative versions of an image for different display/device scenarios. |
| [<source>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/source) | The **<source>** [HTML](https://developer.mozilla.org/en-US/docs/Web/HTML) element specifies multiple media resources for the picture, the audio element, or the video element. |

## [SVG and MathML](https://developer.mozilla.org/en-US/docs/Web/HTML/Element#svg_and_mathml)

| **Element** | **Description** |
| --- | --- |
| [<svg>](https://developer.mozilla.org/en-US/docs/Web/SVG/Element/svg) |  |
| [<math>](https://developer.mozilla.org/en-US/docs/Web/MathML/Element/math) |  |

## [Scripting](https://developer.mozilla.org/en-US/docs/Web/HTML/Element#scripting)

In order to create dynamic content and Web applications, HTML supports the use of scripting languages, most prominently JavaScript.

| **Element** | **Description** |
| --- | --- |
| [<noscript>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/noscript) | The **<noscript>** [HTML](https://developer.mozilla.org/en-US/docs/Web/HTML) element defines a section of HTML to be inserted if a script type on the page is unsupported or if scripting is currently turned off in the browser. |

## [Demarcating edits](https://developer.mozilla.org/en-US/docs/Web/HTML/Element#demarcating_edits)

These elements let you provide indications that specific parts of the text have been altered.

| **Element** | **Description** |
| --- | --- |
| [<del>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/del) | The **<del>** [HTML](https://developer.mozilla.org/en-US/docs/Web/HTML) element represents a range of text that has been deleted from a document. |
| [<ins>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/ins) | The **<ins>** [HTML](https://developer.mozilla.org/en-US/docs/Web/HTML) element represents a range of text that has been added to a document. You can use the del element to similarly represent a range of text that has been deleted from the document. |

## [Table content](https://developer.mozilla.org/en-US/docs/Web/HTML/Element#table_content)

The elements here are used to create and handle tabular data.

| **Element** | **Description** |
| --- | --- |
| [<caption>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/caption) | The **<caption>** [HTML](https://developer.mozilla.org/en-US/docs/Web/HTML) element specifies the caption (or title) of a table. |
| [<col>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/col) | The **<col>** [HTML](https://developer.mozilla.org/en-US/docs/Web/HTML) element defines a column within a table |
| [<colgroup>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/colgroup) | defines a group of columns within a table. |
| [<table>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/table) | The **<table>** [HTML](https://developer.mozilla.org/en-US/docs/Web/HTML) element represents tabular data |
| [<tbody>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/tbody) | The **<tbody>** [HTML](https://developer.mozilla.org/en-US/docs/Web/HTML) element encapsulates a set of table rows |
| [<td>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/td) | The **<td>** [HTML](https://developer.mozilla.org/en-US/docs/Web/HTML) element defines a cell of a table that contains data. |
| [<tfoot>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/tfoot) | defines a set of rows summarizing the columns of the table. |
| [<th>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/th) | defines a cell as header of a group of table cells. |
| [<thead>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/thead) | defines a set of rows defining the head of the columns of the table. |
| [<tr>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/tr) | The **<tr>** [HTML](https://developer.mozilla.org/en-US/docs/Web/HTML) element defines a row of cells in a table. |

## [Forms](https://developer.mozilla.org/en-US/docs/Web/HTML/Element#forms)

| **Element** | **Description** |
| --- | --- |
| [<datalist>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/datalist) | The **<datalist>** [HTML](https://developer.mozilla.org/en-US/docs/Web/HTML) element contains a set of option elements that represent the permissible or recommended options available to choose from within other controls. |
| [<fieldset>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/fieldset) | The **<fieldset>** [HTML](https://developer.mozilla.org/en-US/docs/Web/HTML) element is used to group several controls as well as labels (label) within a web form. |
| [<label>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/label) | represents a caption for an item in a user interface. |
| [<legend>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/legend) | represents a caption for the content of its parent fieldset. |
| [<meter>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/meter) | The **<meter>** [HTML](https://developer.mozilla.org/en-US/docs/Web/HTML) element represents either a scalar value within a known range or a fractional value. |
| [<optgroup>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/optgroup) | creates a grouping of options within a select element. |
| [<option>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/option) | The **<option>** [HTML](https://developer.mozilla.org/en-US/docs/Web/HTML) element is used to define an item contained in a select, an optgroup, or a datalist element. As such, <option> can represent menu items in popups and other lists of items in an HTML document. |
| [<output>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/output) | The **<output>** [HTML](https://developer.mozilla.org/en-US/docs/Web/HTML) element is a container element into which a site or app can inject the results of a calculation or the outcome of a user action. |
| [<progress>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/progress) | The **<progress>** [HTML](https://developer.mozilla.org/en-US/docs/Web/HTML) element displays an indicator showing the completion progress of a task, typically displayed as a progress bar. |
| [<select>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/select) | The **<select>** [HTML](https://developer.mozilla.org/en-US/docs/Web/HTML) element represents a control that provides a menu of options. |
| [<textarea>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/textarea) | The **<textarea>** [HTML](https://developer.mozilla.org/en-US/docs/Web/HTML) element represents a multi-line plain-text editing control, useful when you want to allow users to enter a sizeable amount of free-form text, for example a comment on a review or feedback form. |
| Attributes | **Description** |
| accept | List of types the server accepts, typically a file type. |
| auto complete | ndicates whether controls in this form can by default have their values automatically completed by the browser. |
| capture | From the [Media Capture specification](https://w3c.github.io/html-media-capture/#the-capture-attribute), specifies a new file can be captured. |
| disable | Indicates whether the user can interact with the element. |
| ecntype | Defines the content type of the form data when the method is POST. |
| for | Describes elements which belongs to this one. |
| list | Identifies a list of pre-defined options to suggest to the user. |
| max | Indicates the maximum value allowed. |
| maxlength | Defines the maximum number of characters allowed in the element. |
| method | Defines which [HTTP](https://developer.mozilla.org/en-US/docs/Web/HTTP) method to use when submitting the form. Can be GE  T (default) or POST. |
| multiple | indicates whether multiple values can be entered in an input of the type email or file. |
| pattern | Defines a regular expression which the element's value will be validated against. |
| [novalidate](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/form#attr-novalidate) | This attribute indicates that the form shouldn't be validated when submitted. |
| [readonly](https://developer.mozilla.org/en-US/docs/Web/HTML/Attributes/readonly) | Indicates whether the element can be edited. |
| rel | Indicates whether the element can be edited. |
| [required](https://developer.mozilla.org/en-US/docs/Web/HTML/Attributes/required) | ndicates whether this element is required to fill out or not. |
| [rows](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/textarea#attr-rows) | Defines the number of rows in a text area. |
| [selected](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/option#attr-selected) | Defines a value which will be selected on page load. |
| size | Defines the width of the element (in pixels). If the element's type attribute is text or password then it's the number of characters. |
|  |  |

## [Interactive elements](https://developer.mozilla.org/en-US/docs/Web/HTML/Element#interactive_elements)

| **Element** | **Description** |
| --- | --- |
| [<details>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/details) | The **<details>** [HTML](https://developer.mozilla.org/en-US/docs/Web/HTML) element creates a disclosure widget in which information is visible only when the widget is toggled into an "open" state. |
| [<dialog>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/dialog) | The **<dialog>** [HTML](https://developer.mozilla.org/en-US/docs/Web/HTML) element represents a dialog box or other interactive component, such as a dismissible alert, inspector, or subwindow. |
| [<summary>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/summary) | The **<summary>** [HTML](https://developer.mozilla.org/en-US/docs/Web/HTML) element specifies a summary, caption, or legend for a details element's disclosure box. Clicking the <summary> element toggles the state of the parent <details> element open and closed. |

## [Web Components](https://developer.mozilla.org/en-US/docs/Web/HTML/Element#web_components)

Web Components is an HTML-related technology which makes it possible to, essentially, create and use custom elements as if it were regular HTML. In addition, you can create custom versions of standard HTML elements.

| **Element** | **Description** |
| --- | --- |
| [<slot>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/slot) | The **<slot>** [HTML](https://developer.mozilla.org/en-US/docs/Web/HTML) element—part of the [Web Components](https://developer.mozilla.org/en-US/docs/Web/Web_Components) technology suite—is a placeholder inside a web component that you can fill with your own markup, which lets you create separate DOM trees and present them together. |
| [<template>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/template) | The **<template>** [HTML](https://developer.mozilla.org/en-US/docs/Web/HTML) element is a mechanism for holding HTML that is not to be rendered immediately when a page is loaded but may be instantiated subsequently during runtime using JavaScript. |