



# HTML DOM Element Object

[« Previous](#)

[Next Reference »](#)

---

## HTML DOM Nodes

In the HTML DOM (Document Object Model), everything is a **node**:

- The document itself is a document node
- All HTML elements are element nodes
- All HTML attributes are attribute nodes
- Text inside HTML elements are text nodes
- Comments are comment nodes

---

## The Element Object

In the HTML DOM, the **Element object** represents an HTML element.






Element objects can have **child nodes** of type element nodes, text nodes, or comment nodes.

A **NodeList object** represents a list of nodes, like an HTML element's collection of child nodes.

Elements can also have attributes. Attributes are attribute nodes (See next chapter).

---

# Browser Support

Object					
Element	Yes	Yes	Yes	Yes	Yes
NodeList	Yes	Yes	Yes	Yes	Yes

The Element Object and the NodeList Object is supported in all major browsers.

## Properties and Methods

The following properties and methods can be used on all HTML elements:

Property / Method	Description
<u><i>element.accessKey</i></u>	Sets or returns the accesskey attribute of an element
<u><i>element.addEventListener()</i></u>	Attaches an event handler to the specified element
<u><i>element.appendChild()</i></u>	Adds a new child node, to an element, as the last child node
<u><i>element.attributes</i></u>	Returns a NamedNodeMap of an element's attributes
<u><i>element.blur()</i></u>	Removes focus from an element
<u><i>element.childElementCount</i></u>	Returns the number of child elements an element has
<u><i>element.childNodes</i></u>	Returns a collection of an element's child nodes (including text and comment nodes)
<u><i>element.children</i></u>	Returns a collection of an element's child element (excluding text and comment nodes)
<u><i>element.classList</i></u>	Returns the class name(s) of an element
<u><i>element.className</i></u>	Sets or returns the value of the class

	attribute of an element
<u><i>element.click()</i></u>	Simulates a mouse-click on an element
<u><i>element.clientHeight</i></u>	Returns the height of an element, including padding
<u><i>element.clientLeft</i></u>	Returns the width of the left border of an element
<u><i>element.clientTop</i></u>	Returns the width of the top border of an element
<u><i>element.clientWidth</i></u>	Returns the width of an element, including padding
<u><i>element.cloneNode()</i></u>	Clones an element
<u><i>element.compareDocumentPosition()</i></u>	Compares the document position of two elements
<u><i>element.contains()</i></u>	Returns true if a node is a descendant of a node, otherwise false
<u><i>element.contentEditable</i></u>	Sets or returns whether the content of an element is editable or not
<u><i>element.dir</i></u>	Sets or returns the value of the dir attribute of an element
<u><i>element.firstChild</i></u>	Returns the first child node of an element
<u><i>element.firstElementChild</i></u>	Returns the first child element of an element
<u><i>element.focus()</i></u>	Gives focus to an element
<u><i>element.getAttribute()</i></u>	Returns the specified attribute value of an element node
<u><i>element.getAttributeNode()</i></u>	Returns the specified attribute node
<u><i>element.getElementsByClassName()</i></u>	Returns a collection of all child elements with the specified class name
<u><i>element.getElementsByTagName()</i></u>	Returns a collection of all child elements with the specified tag name

<u><i>element.getFeature()</i></u>	Returns an object which implements the APIs of a specified feature
<u><i>element.hasAttribute()</i></u>	Returns true if an element has the specified attribute, otherwise false
<u><i>element.hasAttributes()</i></u>	Returns true if an element has any attributes, otherwise false
<u><i>element.hasChildNodes()</i></u>	Returns true if an element has any child nodes, otherwise false
<u><i>element.id</i></u>	Sets or returns the value of the id attribute of an element
<u><i>element.innerHTML</i></u>	Sets or returns the content of an element
<u><i>element.insertBefore()</i></u>	Inserts a new child node before a specified, existing, child node
<u><i>element.isContentEditable</i></u>	Returns true if the content of an element is editable, otherwise false
<u><i>element.isDefaultNamespace()</i></u>	Returns true if a specified namespaceURI is the default, otherwise false
<u><i>element.isEqualNode()</i></u>	Checks if two elements are equal
<u><i>element.isSameNode()</i></u>	Checks if two elements are the same node
<u><i>element.isSupported()</i></u>	Returns true if a specified feature is supported on the element
<u><i>element.lang</i></u>	Sets or returns the value of the lang attribute of an element
<u><i>element.lastChild</i></u>	Returns the last child node of an element
<u><i>element.lastElementChild</i></u>	Returns the last child element of an element
<u><i>element.namespaceURI</i></u>	Returns the namespace URI of an element
<u><i>element.nextSibling</i></u>	Returns the next node at the same node tree level
<u><i>element.nextElementSibling</i></u>	Returns the next element at the same node tree level

<u><i>element.nodeName</i></u>	Returns the name of a node
<u><i>element.nodeType</i></u>	Returns the node type of a node
<u><i>element.nodeValue</i></u>	Sets or returns the value of a node
<u><i>element.normalize()</i></u>	Joins adjacent text nodes and removes empty text nodes in an element
<u><i>element.offsetHeight</i></u>	Returns the height of an element, including padding, border and scrollbar
<u><i>element.offsetWidth</i></u>	Returns the width of an element, including padding, border and scrollbar
<i>element.offsetLeft</i>	Returns the horizontal offset position of an element
<i>element.offsetParent</i>	Returns the offset container of an element
<i>element.offsetTop</i>	Returns the vertical offset position of an element
<u><i>element.ownerDocument</i></u>	Returns the root element (document object) for an element
<u><i>element.parentNode</i></u>	Returns the parent node of an element
<u><i>element.parentElement</i></u>	Returns the parent element node of an element
<u><i>element.previousSibling</i></u>	Returns the previous node at the same node tree level
<u><i>element.previousElementSibling</i></u>	Returns the previous element at the same node tree level
<u><i>element.querySelector()</i></u>	Returns the first child element that matches a specified CSS selector(s) of an element
<u><i>element.querySelectorAll()</i></u>	Returns all child elements that matches a specified CSS selector(s) of an element
<u><i>element.removeAttribute()</i></u>	Removes a specified attribute from an element
<u><i>element.removeAttributeNode()</i></u>	Removes a specified attribute node, and

	returns the removed node
<u><i>element.removeChild()</i></u>	Removes a child node from an element
<u><i>element.replaceChild()</i></u>	Replaces a child node in an element
<u><i>element.removeEventListener()</i></u>	Removes an event handler that has been attached with the <code>addEventListener()</code> method
<u><i>element.scrollHeight</i></u>	Returns the entire height of an element, including padding
<u><i>element.scrollLeft</i></u>	Sets or returns the number of pixels an element's content is scrolled horizontally
<u><i>element.scrollTop</i></u>	Sets or returns the number of pixels an element's content is scrolled vertically
<u><i>element.scrollWidth</i></u>	Returns the entire width of an element, including padding
<u><i>element.setAttribute()</i></u>	Sets or changes the specified attribute, to the specified value
<u><i>element.setAttributeNode()</i></u>	Sets or changes the specified attribute node
<u><i>element.style</i></u>	Sets or returns the value of the style attribute of an element
<u><i>element.tabIndex</i></u>	Sets or returns the value of the <code>tabindex</code> attribute of an element
<u><i>element.tagName</i></u>	Returns the tag name of an element
<u><i>element.textContent</i></u>	Sets or returns the textual content of a node and its descendants
<u><i>element.title</i></u>	Sets or returns the value of the title attribute of an element
<i>element.toString()</i>	Converts an element to a string
<u><i>odelist.item()</i></u>	Returns the node at the specified index in

a NodeList

*nodeList.length*

Returns the number of nodes in a NodeList

[« Previous](#)

[Next Reference »](#)

