

Document and Element interface

AGENDA

1. Document interface
2. Element interface
3. HTMLElement interface

1. Document interface

Properties

#	Name	Desc
1	document.documentElement	get the html node
2	document.body	get the body node
3	document.head	get the head node
4	document.cookie (HTMLDocument)	get / set cookie
5	document.title (HTMLDocument)	get title of current document

Methods

Query elements

#	Name	Desc
1	document.getElementById(id)	get an element by id
2	document.getElementsByClassName(name)	get a live NodeList by class name
3	document.getElementsByTagName(name)	get a live NodeList by tag name
4	document.querySelector(selector)	get the first Node that match selector
5	document.querySelectorAll(selector)	get a static NodeList that match selector

Create

#	Name	Desc
1	document.createAttribute(name)	create return Attr node and returns it
2	document.createElement(tagName)	create the HTML element specified by tagName and returns it

2. Element interface

Properties

#	Name	Desc
1	Element.className	get class string
2	Element.classList	object to manage class list
3	Element.innerHTML	html markup within the element
4	Element.outerHTML	html markup of current element
5	Element.id	the id of the element

Element size

#	Name	Desc
1	Element.clientHeight	the inner height of the element
2	Element.clientTop	the width of the top border of the element
3	Element.clientWidth	the inner width of the element
4	Element.clientLeft	the width of the left border of the element

Scroll

#	Name	Desc
1	Element.scrollHeight	the scroll view height of an element
3	Element.scrollTop	the number of pixels the top of the document is scrolled vertically
2	Element.scrollLeft	the left scroll offset of the element
4	Element.scrollWidth	the scroll view width of the element

Traversal

#	Name	Desc
1	Element.children	return a live HTMLCollection containing all direct child elements.
2	Element.firstChild	returns an element's first child Element
3	Element.lastChild	returns an element's last child Element
4	Element.previousElementSibling	return previous element, or null if it's the first child
5	Element.nextElementSibling	return next element, or null it's the last child

Methods

Add/Remove/Replace

#	Name	Desc
1	Element.before(...nodes)	insert a set of nodes before current element
2	Element.after(...nodes)	insert a set of nodes after current element
3	Element.prepend(...nodes)	insert a set of nodes before the first child
4	Element.append(...nodes)	insert a set of nodes after the last child
5	Element.remove()	remove current element from the tree
6	Element.replaceWith(...nodes)	replace current element with a set of nodes

Attributes

#	Name	Desc
1	Element.getAttribute(name)	get value of an attribute by name
2	Element.hasAttribute(name)	check if an attribute is existed
3	Element.setAttribute(name, value)	set value for attribute name
4	Element.removeAttribute(name)	remove an attribute by name
5	Element.toggleAttribute(name)	toggle an attribute
6	Element.attributes()	live collection of all attribute nodes

Query elements

#	Name	Desc
1	Element.getElementsByClassName(name)	get a live NodeList by class name
2	Element.getElementsByTagName(name)	get a live NodeList by tag name
3	Element.querySelector(selector)	get the first Node that match selector
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Others

#	Name	Desc
1	Element.getBoundingClientRect()	return a DOMRect object providing info about the size and its position
2	Element.scroll()	scrolls the element to a particular set of coordinates
3	Element.scrollTo()	scrolls the element to a particular set of coordinates
4	Element.scrollBy()	scrolls an element by the given amount

Source: <https://developer.mozilla.org/en-US/docs/Web/API/Element>

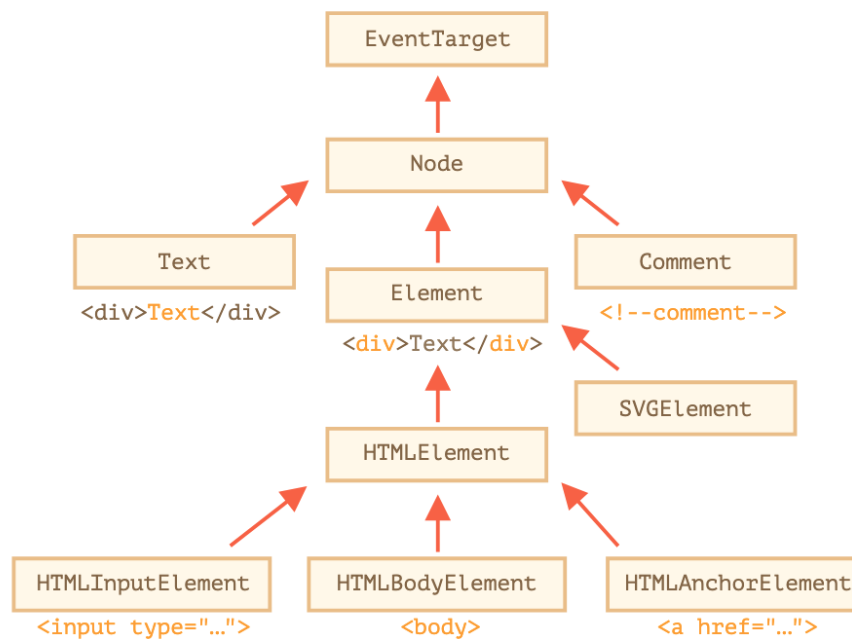
3. HTMLElement interface

Properties

#	Name	Desc
1	HTMLElement.dataset	read/write custom data attributes (data-*)
2	HTMLElement.hidden	indicating the element is hidden or not
3	HTMLElement.innerText	the "rendered" text content of a node and its descendant
4	HTMLElement.style	representing the declarations of the element's style attribute
5	HTMLElement.title	text appears in a popup box when hover
6	HTMLElement.tabIndex	the position of the element in the tabbing order

Methods

#	Name	Desc
1	HTMLElement.blur()	remove keyboard focus
2	HTMLElement.focus()	focus to current element
3	HTMLElement.click()	send a mouse click event to the element



Source: [Basic DOM Node Props | javascript.info](https://javascript.info/basic-dom-node-props)

Tham khảo

- <https://javascript.info/basic-dom-node-properties>
- <https://developer.mozilla.org/en-US/docs/Web/API/Element>

Khoá học Javascript cho người mới bắt đầu 2021 🎨

- Tác giả: **Hậu Nguyễn** - Founder Easy Frontend
- Khoá học chỉ được published trên Udemy, không thông qua trung gian.
- Khoá học không bán dạng videos upload trên Google Drive hay bất cứ hình thức nào tương tự.
- Khoá học có nhóm discord để hỗ trợ trong quá trình học tập.

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