classList

JavaScript classList is a DOM property of JavaScript that allows for styling the CSS (Cascading Style Sheet) classes of an element. JavaScript classList is a read-only property that returns the names of the CSS classes. It is a property of JavaScript with respect to the other properties of JavaScript that includes style and className. The style property returns the color or other styling of the CSS class element, and className is used for returning the names of the classes used in the CSS file. However, the className and classList properties return the name of the classes that we have used in the CSS file but in different ways. The className property returns the name of the classes in the form of a string, whereas the classList property of JavaScript returns the name of the classes in the form of an array.

Classlist syntax

<html>

<body>

<h3>Click on the button to get the class value </h3></br>

<input type="button" id="btn" value="Click me" class="myClass" onclick="getClass()">

<script>

function getClass()

{

var e = document.getElementById("btn");

alert(e.classList);

}

</script>

</body>

</html>

**ClassList Methods**

JavaScript classList Property

The classList property is used for representing the value of the class elements which is a DOMTokenList object. It is a read-only property but we can modify its value by manipulating the classes used in the program. The JavaScript classList property consists of following methods through which we can perform different operations on the class elements:

* **add():** The add() method is used for adding one or more classes to the element.
* **remove():** The remove() method is used for removing one or more classes from the number of classes present in the element.
* **toggle():** The toggle() method is used for toggling the specified class names of an element. It means on one click the specified class gets added and on another click the class gets removed. It is known as the toggle property of an element.
* **replace():** The replace() method is used for replacing an existing class with a new class.
* **contains():** The contains() method of the JavaScript classList property is used for returning the Boolean value as an output. If the class is present, the value is returned as true otherwise false is returned.
* **item():** The item() method is used for displaying the name of the classes at the particular index. Thus, it returns the class name.

syntax of this methods

Examples

JS

const div = document.createElement("div");

div.className = "foo";

// our starting state: <div class="foo"></div>

console.log(div.outerHTML);

// use the classList API to remove and add classes

div.classList.remove("foo");

div.classList.add("anotherclass");

// <div class="anotherclass"></div>

console.log(div.outerHTML);

// if visible is set remove it, otherwise add it

div.classList.toggle("visible");

// add/remove visible, depending on test conditional, i less than 10

div.classList.toggle("visible", i < 10);

// false

console.log(div.classList.contains("foo"));

// add or remove multiple classes

div.classList.add("foo", "bar", "baz");

div.classList.remove("foo", "bar", "baz");

// add or remove multiple classes using spread syntax

const cls = ["foo", "bar"];

div.classList.add(...cls);

div.classList.remove(...cls);

// replace class "foo" with class "bar"

div.classList.replace("foo", "bar");