

Javascript HTML DOM classList Property

- description : Javascript HTML DOM classList Property
- author :
- email : shlim@repia.com
- lastupdate : 2021-06-08

The source of the article

[Javascript HTML DOM classList Property](#)

Example

<div> "mystyle" 가 .

```
<head>
  <style>
    .mystyle {
      width: 300px;
      height: 50px;
      background-color: coral;
      color: white;
      font-size: 25px;
    }
  </style>
</head>
<body>
  <p>Click the button to add the "mystyle" class to DIV.</p>

  <button onclick="myFunction()">Try it</button>

  <p><strong>Note:</strong> The classList property is not supported in
Internet Explorer 9 and earlier versions.</p>

  <div id="myDIV">I am a DIV element</div>

  <script>
    function myFunction() {
      document.getElementById('myDIV').classList.add('mystyle');
      /*           mystyle      가 myDIV      가 */
    }
  </script>
```

</body>

Definition and Usage

```

classList
DOMTokenList
CSS
가, (toggle)
classList
add() remove()
- : IE9
- classList
- className (regular expression)

```

Syntax

`element.classList`

Properties

Property	Description
length	.
	.

Methods

Method	Description
add(class1, class2,...)	가 .
	가 , 가 .
contains(class)	.
	가 :
	true - 가 .
	false - 가 .
item(index)	가 . 0
	가 null .
remove(class1, class2,...)	.
	Note: 가 .

Method	Description
toggle(class, true or false)	.
	false.
	가, 가, true.
	가 가.
	: element.classList.toggle("classToRemove", false);
	가 : element.classList.toggle("classToAdd", true);
	Note: Internet Explorer Opera 12.

Technical Details

Return Value	DOMTokenList
--------------	--------------

More Examples

Example

<div> 가 .

```
<head>
  <style>
    .mystyle {
      width: 500px;
      height: 50px;
      padding: 15px;
      border: 5px solid dodgerblue;
    }

    .anotherClass {
      background-color: coral;
      color: white;
    }

    .thirdClass {
      text-transform: uppercase;
      text-align: center;
      font-size: 25px;
    }
  </style>
</head>
<body>
  <p>Click the button to add multiple classes to DIV.</p>

  <button onclick="myFunction()">Try it</button>
```

Note: The classList property is not supported in Internet Explorer 9 and earlier versions.

`<div id="myDIV">I am a DIV element.</div>`

`<script>`

```
function myFunction() {  
    document.getElementById('myDIV').classList.add('mystyle',  
'anotherClass', 'thirdClass');  
}
```

`/* <div id="myDIV">I am a DIV element.</div>`

`<div id="myDIV" class="mystyle anotherClass thirdClass">`

CSS

`*/`

`</script>`

`</body>`

Example

`<div>`

`<head>`

`<style>`

`.mystyle {`

`width: 500px;`

`height: 50px;`

`background-color: forestgreen;`

`color: white;`

`font-size: 25px;`

`}`

`</style>`

`</head>`

`<body>`

`<p>Click the button to remove the "mystyle" class from DIV.</p>`

`<button onclick="myFunction()">Try it!</button>`

Note: The classList property is not supported in Internet Explorer 9 and earlier versions.

`<div id="myDIV" class="mystyle">I am a DIV element.</div>`

`<script>`

```
function myFunction() {
```

```
    document.getElementById('myDIV').classList.remove('mystyle');
```

```
} /* #myDIV .mystyle */
```

`</script>`

`</body>`

Example

<div>

```
<head>
  <style>
    .mystyle {
      width: 500px;
      height: 50px;
      padding: 15px;
      border: 5px solid dodgerblue;
    }

    .anotherClass {
      background-color: coral;
      color: white;
    }

    .thirdClass {
      text-transform: uppercase;
      text-align: center;
      font-size: 25px;
    }
  </style>
</head>
<body>
  <p>Click the button to remove multiple classes to DIV.</p>

  <button onclick="myFunction()">Try it</button>

  <p><strong>Note:</strong> The classList property is not supported
  in Internet Explorer 9 and earlier versions.</p>

  <div id="myDIV" class="mystyle anotherClass thirdClass">I am a DIV
  element.</div>

  <script>
    function myFunction() {
      document.getElementById('myDIV').classList.remove('mystyle',
      'anotherClass', 'thirdClass');
    }
    /*          <div id="myDIV" class="mystyle anotherClass thirdClass">

      <div id="myDIV">I am a DIV element.</div>          CSS          */
  </script>
</body>
```

Example

<div>

```
<head>
  <style>
    .mystyle {
      width: 300px;
      height: 50px;
      background-color: coral;
      color: white;
      font-size: 25px;
    }

    .newClassName {
      width: 400px;
      height: 100px;
      background-color: lightblue;
      text-align: center;
      font-size: 25px;
      color: navy;
      margin-bottom: 10px;
    }
  </style>
</head>
<body>
  <p>Click the button to toggle between two classes.</p>

  <button onclick="myFunction()">Try it</button>

  <p><strong>Note:</strong> The classList property is not supported
  in Internet Explorer 9 and earlier versions.</p>

  <div id="myDIV" class="mystyle">I am a DIV element.</div>

  <script>
    function myFunction() {
      document.getElementById('myDIV').classList.toggle('newClassName');
    }
    /*          <div id="myDIV" class="mystyle">
    <div id="myDIV" class="mystyle newClassName">          */
  </script>
</body>
```

Example

<div> 가 .

```
<head>
  <style>
```

```

    .mystyle {
        width: 500px;
        height: 50px;
    }

    .anotherClass {
        background-color: lightblue;
    }

    .thirdClass {
        text-align: center;
        font-size: 25px;
        color: black;
        margin-bottom: 10px;
    }
</style>
</head>
<body>
    <p>Click the button to display the class names of the div element.</p>

    <div id="myDIV" class="mystyle anotherClass thirdClass">
    I am a DIV element with multiple classes.</div>

    <button onclick="myFunction()">Try it</button>

    <p><strong>Note:</strong> The classList property is not supported
    in Internet Explorer 9 and earlier versions.</p>

    <p id="demo"></p>

    <script>
        function myFunction() {
            var x = document.getElementById('myDIV').classList;
            document.getElementById('demo').innerHTML = x;
        }
        /* mystyle anotherClass thirdClass */
        /* id="myDIV" 가 div 가 */
    </script>
</body>

```

Example

<div> 가 가 .

```

<head>
<style>
    .mystyle {
        width: 500px;
        height: 50px;
    }

```

```
.anotherClass {
    background-color: lightblue;
}

.thirdClass {
    text-align: center;
    font-size: 25px;
    color: black;
    margin-bottom: 10px;
}
</style>
</head>
<body>
    <p>Click the button to display the number of class names the div element
has.</p>

    <div id="myDIV" class="mystyle anotherClass thirdClass">
        I am a DIV element with three classes.</div>

    <button onclick="myFunction()">Try it</button>

    <p><strong>Note:</strong> The classList property is not supported
in Internet Explorer 9 and earlier versions.</p>

    <p id="demo"></p>

    <script>
        function myFunction() {
            var x = document.getElementById('myDIV').classList.length;
            document.getElementById('demo').innerHTML = x;
        }
        /*          id="myDIV" 가          div          . */
    </script>
</body>
```

Example

<div> (index 0) 가 .

```
<head>
    <style>
        .mystyle {
            width: 500px;
            height: 50px;
        }

        .anotherClass {
```

```

        background-color: lightblue;
    }

    .thirdClass {
        text-align: center;
        font-size: 25px;
        color: black;
        margin-bottom: 10px;
    }
</style>
</head>
<body>
    <p>Click the button to display the class name of the first class(index
0) of div.</p>

    <div id="myDIV" class="mystyle anotherClass thirdClass">
    I am a DIV element with three classes.</div>

    <button onclick="myFunction()">Try it</button>

    <p><strong>Note:</strong> The classList property is not supported
in Internet Explorer 9 and earlier versions.</p>

    <p id="demo"></p>
    <!-- mystyle -->

    <script>
        function myFunction() {
            var x = document.getElementById('myDIV').classList.item(0);
            document.getElementById('demo').innerHTML = x;
        }
        /*          id="myDIV" 가      div          . */
    </script>
</body>

```

Example

가 "mystyle" 가 .

```

<head>
<style>
    .mystyle {
        width: 500px;
        height: 50px;
        border: 1px solid black;
    }

    .anotherClass {
        background-color: lightblue;
        padding: 25px;
    }

```

```
}

.thirdClass {
    text-align: center;
    font-size: 25px;
    color: navy;
    margin-bottom: 10px;
}
</style>
</head>
<body>
    <p>Click the button to find out if the DIV element has a class of
    "mystyle".</p>

    <div id="myDIV" class="mystyle anotherClass thirdClass">
    I am a DIV element with three classes.</div>

    <button onclick="myFunction()">Try it</button>

    <p><strong>Note:</strong> The classList property is not supported
    in Internet Explorer 9 and earlier versions.</p>

    <p id="demo"></p>
    <!-- true -->

    <script>
        function myFunction() {
            var x =
document.getElementById('myDIV').classList.contains('mystyle');
            document.getElementById('demo').innerHTML = x;
        }
        /*      id="myDIV" 가      div mystyle
            true      .. */
    </script>
</body>
```

Example

"mystyle"

```
<head>
<style>
    .mystyle {
        width: 500px;
        height: 50px;
        border: 1px solid black;
    }
</style>
```

```

    .anotherClass {
        background-color: lightblue;
        padding: 25px;
    }

    .thirdClass {
        text-align: center;
        font-size: 25px;
        color: navy;
        margin-bottom: 10px;
    }
</style>
</head>
<body>
    <p>Click the button to find out if the DIV element has a class of
    "mystyle".
    If so, remove "anotherClass".</p>

    <div id="myDIV" class="mystyle anotherClass thirdClass">I am a DIV
    element</div>

    <button onclick="myFunction()">Try it</button>

    <p><strong>Note:</strong> The classList property is not supported
    in Internet Explorer 9 and earlier versions.</p>

    <script>
        function myFunction() {
            var x = document.getElementById('myDIV');

            if (x.classList.contains('mystyle')) {
                x.classList.remove('anotherClass');
            } else {
                alert('Could not find it.');
```

```

        }
    }
    /*          mystyle          ,
    <div id="myDIV" class="mystyle anotherClass thirdClass">
    anotherClass          <div id="myDIV" class="mystyle thirdClass">

    */

```

```

    </script>
</body>

```

Example

```

<head>
    <style>

```

```
.dropbtn {
  background-color: #4caf50;
  color: white;
  padding: 16px;
  font-size: 16px;
  border: none;
  cursor: pointer;
}

.dropbtn:hover,
.dropbtn:focus {
  background-color: #3e8e41;
}

.dropdown {
  position: relative;
  display: inline-block;
}

.dropdown-content {
  display: none;
  position: absolute;
  background-color: #f9f9f9;
  min-width: 160px;
  overflow: auto;
  box-shadow: 0px 8px 16px rgba(0, 0, 0, 0.2);
}

.dropdown-content a {
  color: black;
  padding: 12px 16px;
  text-decoration: none;
  display: block;
}

.dropdown-content a:hover {
  background-color: #f1f1f1;
}

.show {
  display: block;
}
</style>
</head>
<body>
  <h2>Clickable Dropdown</h2>
  <p>Click on the button to open the dropdown menu.</p>

  <div class="dropdown">
    <button id="myBtn" class="dropbtn">Dropdown</button>
```

```

<div id="myDropdown" class="dropdown-content">
  <a href="#home">Home</a>
  <a href="#about">About</a>
  <a href="#contact">Contact</a>
</div>
</div>

<script>
  // Get the button, and when the user clicks on it, execute myFunction
  document.getElementById('myBtn').onclick = function () {
    myFunction();
  };

  /* myFunction toggles between adding and removing the show class,
  which is used to hide and show the dropdown content */
  function myFunction() {
    document.getElementById('myDropdown').classList.toggle('show');
  }
  /*
    <div id="myDropdown" class="dropdown-content">
    <div id="myDropdown" class="dropdown-content show">
    . */
</script>
</body>

```

Fallback Example: add

IE9

classList.**add()**

-

:

```

<head>
  <style>
    .mystyle {
      width: 300px;
      height: 50px;
      background-color: coral;
      color: white;
      font-size: 25px;
    }
  </style>
</head>
<body>
  <h2>Cross-browser solution for classList.add()</h2>
  <p>The classList property is not supported in Internet Explorer 9 and
earlier.</p>
  <p>In this example, we check if the browser supports the classList.add()
method.
  If not, use the className property instead to achieve the same result
  (for IE9 and earlier).</p>

  <p>Click the button to add the class "mystyle" to the DIV element.</p>

```

```
<button onclick="myFunction()">Try it</button>

<div id="myDIV">I am a DIV element</div>

<p id="demo"></p>

<script>
function myFunction() {
  var x, name, arr;
  x = document.getElementById('myDIV');

  if (x.classList) {
    x.classList.add('mystyle');
  } else {
    name = 'mystyle';
    arr = x.className.split(' ');
    if (arr.indexOf(name) == -1) {
      x.className += ' ' + name;
    }
  }
  console.log(x.classList); // DOMTokenList ["mystyle", value:
"mystyle"]
  console.log(x.classList.add('mystyle'));
  console.log(x.className); // mystyle
  console.log(x.className.split(' ')); // ["mystyle"]
  console.log(myDIV); // <div id="myDIV" class="mystyle">I am a DIV
element</div>
  console.log(x); // <div id="myDIV" class="mystyle">I am a DIV
element</div>
  console.log(name); // undefined
  console.log(arr); // undefined
  console.log((arr = x.className)); // mystyle
  console.log(arr.indexOf(name)); // -1
  console.log(arr.indexOf(name) == -1); // true
}
/* indexOf()                -1                . */
/* split()
. */
/*
function myFunction() {
  document.getElementById('myDIV').classList.add('mystyle');
}
*/
</script>
</body>
```

Fallback Exmample: remove

IE9

classList.**remove()**

-

:

```

<head>
  <style>
    .mystyle {
      width: 300px;
      height: 50px;
      background-color: greenyellow;
      color: black;
      font-size: 25px;
    }
  </style>
</head>
<body>
  <h2>Cross-browser solution for classList.remove()</h2>
  <p>The classList property is not supported in Internet Explorer 9 and
earlier.</p>
  <p>In this example, we check if the browser supports the
classList.remove() method.
  If not, the regular expression works as a fallback to achieve the same
result
  (for IE9 and earlier).</p>

  <p>Click the button to remove the class "mystyle" from DIV.</p>

  <button onclick="myFunction()">Try it</button>

  <div id="myDIV" class="mystyle">I am a DIV element</div>

  <script>
    function myFunction() {
      var x = document.getElementById('myDIV');
      if (x.classList) {
        x.classList.remove('mystyle'); // undefined, false
      } else {
        x.className = x.className.replace(/\bmystyle\b/g, '');
      }
    }
  </script>
  <p>In JavaScript, the boolean value of undefined is false</p>
</body>

```

Fallback Example: contains

IE9

classList.**contains()**

-

:

```

<head>
  <style>
    .mystyle {

```

```
        width: 300px;
        height: 50px;
        background-color: blue;
        color: white;
        font-size: 25px;
    }
</style>
</head>
<body>
    <h2>Cross-browser solution for classList.remove()</h2>
    <p>The classList property is not supported in Internet Explorer 9 and earlier.</p>
    <p>In this example, we check if the browser supports the classList.contains() method. If not, the regular expression works as a fallback to achieve the same result (for IE9 and earlier).</p>

    <p>Click the button to find out if the DIV element has a "mystyle" class.</p>

    <button onclick="myFunction()">Try it</button>

    <div id="myDIV" class="mystyle">I am a DIV element</div>

    <p id="demo"></p>

    <script>
        function myFunction() {
            var x = document.getElementById('myDIV');

            if (x.classList) {
                alert(x.classList.contains('mystyle'));
            } else {
                alert(/\bmystyle\b/g.test(x.className));
            }
        }
    </script>
    <p>In JavaScript, the boolean value of undefined is false</p>
</body>
```

Fallback Example: toggle

IE9 classList.**toggle()** - :

Example

(sticky navigation bar)

„ Javascript, HTML, DOM, classList, Property

From:
<http://125.132.25.164/dokuwiki/> -

. - 2023.12

Permanent link:

http://125.132.25.164/dokuwiki/doku.php?id=wiki:javascript:javascript_note:classlist_property&rev=1623140618

Last update: **2022/03/10 19:52**

