

JavaScript HTML DOM Events

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HTML DOM allows JavaScript to react to HTML events:

Mouse Over Me

Click Me

Reacting to Events

A JavaScript can be executed when an event occurs, like when a user clicks on an HTML element.

To execute code when a user clicks on an element, add JavaScript code to an HTML event attribute:

onclick=JavaScript

Examples of HTML events:

- When a user clicks the mouse
- When a web page has loaded
- When an image has been loaded
- When the mouse moves over an element
- When an input field is changed
- · When an HTML form is submitted
- When a user strokes a key

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```
<!DOCTYPE html>
<html>
<body>
<h1 onclick="this.innerHTML = 'Ooops!'">Click on this text!</h1>
</body>
</html>
```

In this example, a function is called from the event handler:

Example

Try it Yourself »

```
<!DOCTYPE html>
<html>
<body>

<h1 onclick="changeText(this)">Click on this text!</h1>

<script>
function changeText(id) {
  id.innerHTML = "Ooops!";
}
</script>

</body>
</html>
```

Try it Yourself »



Example

Assign an onclick event to a button element:

```
<button onclick="displayDate()">Try it</button>
Try it Yourself »
```

In the example above, a function named displayDate will be executed when the button is clicked.

Assign Events Using the HTML DOM

The HTML DOM allows you to assign events to HTML elements using JavaScript:

Example

Assign an onclick event to a button element:

```
<script>
document.getElementById("myBtn").onclick = displayDate;
</script>
```

Try it Yourself »

In the example above, a function named displayDate is assigned to an HTML
element with the id="myBtn".

The function will be executed when the button is clicked.

The onload and onunload Events



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version, and load the proper version of the web page based on the information.

The onload and onunload events can be used to deal with cookies.

SQL

Example

CSS

```
<body onload="checkCookies()">
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```

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The oninput Event

The oninput event is often to some action while the user input data.

Below is an example of how to use the oninput to change the content of an input field.

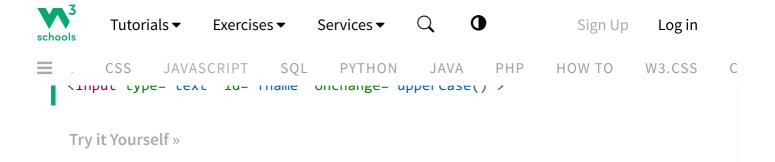
Example

```
<input type="text" id="fname" oninput="upperCase()">
Try it Yourself »
```

The onchange Event

The onchange event is often used in combination with validation of input fields.

Below is an example of how to use the onchange. The upperCase() function will be called when a user changes the content of an input field.



The onmouseover and onmouseout Events

The onmouseover and onmouseout events can be used to trigger a function when the user mouses over, or out of, an HTML element:

Mouse Over Me

Try it Yourself »

The onmousedown, onmouseup and onclick Events

The onmousedown, onmouseup, and onclick events are all parts of a mouse-click. First when a mouse-button is clicked, the onmousedown event is triggered, then, when the mouse-button is released, the onmouseup event is triggered, finally, when the mouse-click is completed, the onclick event is triggered.

Click Me

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More Examples

onmousedown and onmouseup

Change an image when a user holds down the mouse button.



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Change the background-color of an input field when it gets focus.

Mouse Events

Change the color of an element when the cursor moves over it.

HTML DOM Event Object Reference

For a list of all HTML DOM events, look at our complete <u>HTML DOM Event Object</u> Reference.

Exercise?

What is a legal HTML attribute used for adding some action when a button is clicked?

- O <button onclick='alert(10)'>Click me</button>
- O <button click='alert(10)'>Click me</button>
- O <button press='alert(10)'>Click me</button>

Submit Answer »

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