Element: mouseover event

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The `mouseover` event is fired at an Element when a pointing device (such as a mouse or trackpad) is used to move the cursor onto the element or one of its child elements.

If the target element has child elements, `mouseout` and `mouseover` events fire as the mouse moves over the boundaries of these elements too, not just the target element itself. Usually, `mouseenter` and `mouseleave` events' behavior is more sensible, because they are not affected by moving into child elements.

Syntax

Use the event name in addEventListener():

```
addEventListener("mouseover", (event) => { })
```

Alternatively, assign to the event handler property of the interface:

```
onmouseover = (event) => { }
```

Event type

A MouseEvent. Inherits from UIEvent and Event.

Examples

The following example illustrates the difference between `mouseover` and mouseenter events.

HTML

```
<ul id="test">
  <li>item 1</li>
  <li>item 2</li>
  <li>item 3</li>
</ul>
```

JavaScript

```
const test = document.getElementById("test");

// This handler will be executed only once when the cursor
// moves over the unordered list
test.addEventListener("mouseenter", (event) => {
  // highlight the mouseenter target
  event.target.style.color = "purple";

  // reset the color after a short delay
  setTimeout(() => {
    event.target.style.color = "";
  }, 500);
});

// This handler will be executed every time the cursor
// is moved over a different list item
```

```
test.addEventListener("mouseover", (event) => {
  // highlight the mouseover target
  event.target.style.color = "orange";

  // reset the color after a short delay
  setTimeout(() => {
    event.target.style.color = "";
  }, 500);
});
```

Result

Specifications

Browser compatibility

See also

- Learn: Introduction to events
- mousedown
- mouseup
- mousemove
- click
- dblclick
- mouseout
- mouseenter
- mouseleave
- contextmenu
- pointerover

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