

Introduction to Browser Events

- 1. Common Events
- 2. How many ways to attach an event to DOM
- 3. Remove event listener if you no longer use

1. Common Events

#	Event Type	Events
1	Mouse events	click, contextmenu, mouseover, mouseout, mousedown, mouseup, mousemove
2	Keyboard events	keydown, keyup
3	Form element events	submit, focus
4	Document events	DOMContentLoaded
5	Window events	beforeunload

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

2. How many ways to attach an event to DOM

#	Way to attach an event	Desc
1	HTML onevent attributes	NOT RECOMMENDED as it makes markup complex
2	JS onevent properties	Only able to attach one handler
3	JS addEventListener	RECOMMENDED Able to attach many handlers

HTML **onevent** attributes / Inline event handlers

```
<button onclick="alert('thank you! :P')">Click me</button>
```

JS **onevent** properties

- this way works but only able to attach **one handler** for the event.

```
<button id="clickMeButton">Click me</button>
```

```
const clickMeButton = document.getElementById('clickMeButton');
if (clickMeButton) {
  clickMeButton.onclick = function() {
    alert('thank you! :P');
  }
}
```

JS addEventListener

RECOMMEND we can attach many handlers to an event.

```
<button id="clickMeButton">Click me</button>
```

```
const clickMeButton = document.getElementById('clickMeButton');
if (clickMeButton) {
  clickMeButton.addEventListener('click', function() {
    alert('thank you! :P');
  });
  clickMeButton.addEventListener('click', function() {
    alert('thank you again haha');
  });
}
```

3. Remove event listener if you no longer use

```
<button id="clickMeButton">Click me</button>
```

```
const clickMeButton = document.getElementById('clickMeButton');
if (clickMeButton) {
  function handleClick() {
    alert('thank you! :P');
  }
  clickMeButton.addEventListener('click', handleClick);
  // when no longer use, remove listener
  clickMeButton.removeEventListener('click', handleClick);
}
```

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

Tham khảo

- https://developer.mozilla.org/en-US/docs/Web/Events/Event_handlers
- https://developer.mozilla.org/en-US/docs/Learn/JavaScript/Building_blocks/Events