

# Introduction to Browser Events

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## AGENDA

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

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

Full list of events will be here: <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 <b>onevent</b> attributes	<b>NOT RECOMMENDED</b> as it makes markup complex
2	JS <b>onevent</b> properties	Only able to attach <b>one handler</b>
3	JS <code>addEventListener</code>	<b>RECOMMENDED</b> Able to attach <b>many handlers</b>

### 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/Web/Events/Event_handlers)
- [https://developer.mozilla.org/en-US/docs/Learn/JavaScript/Building\\_blocks/Events](https://developer.mozilla.org/en-US/docs/Learn/JavaScript/Building_blocks/Events)

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### Khoá học Javascript cho người mới bắt đầu 2021 🎨

- Tác giả: **Hậu Nguyễn** - Founder Easy Frontend
- Khoá học chỉ được published trên Udemy, không thông qua trung gian.
- Khoá học không bán dạng videos upload trên Google Drive hay bất cứ hình thức nào tương tự.
- Khoá học có nhóm discord để hỗ trợ trong quá trình học tập.

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