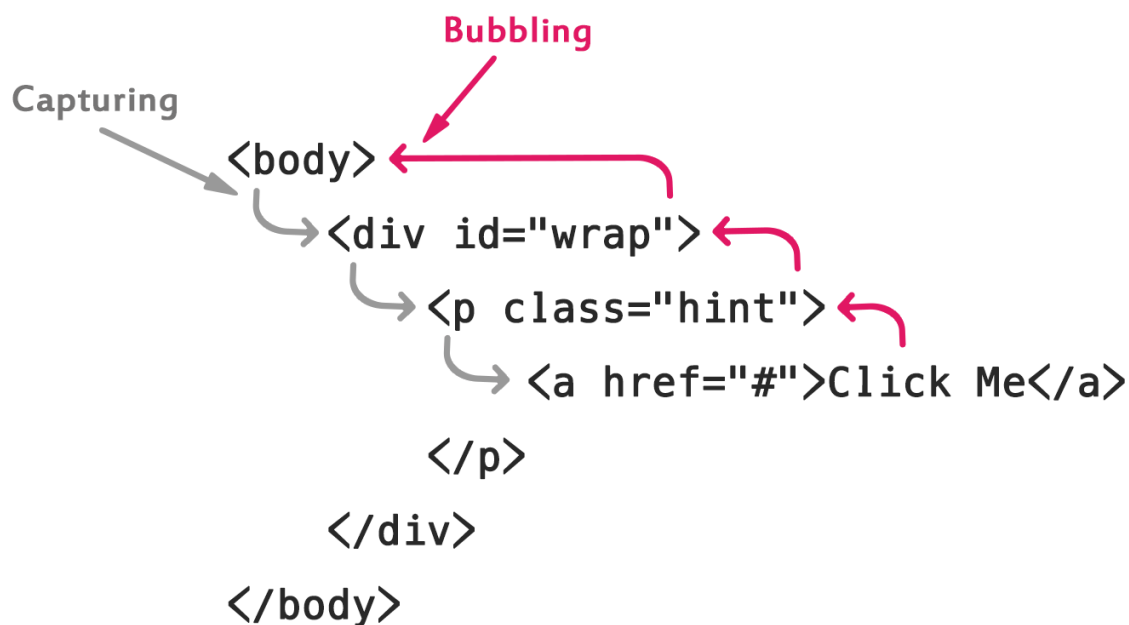
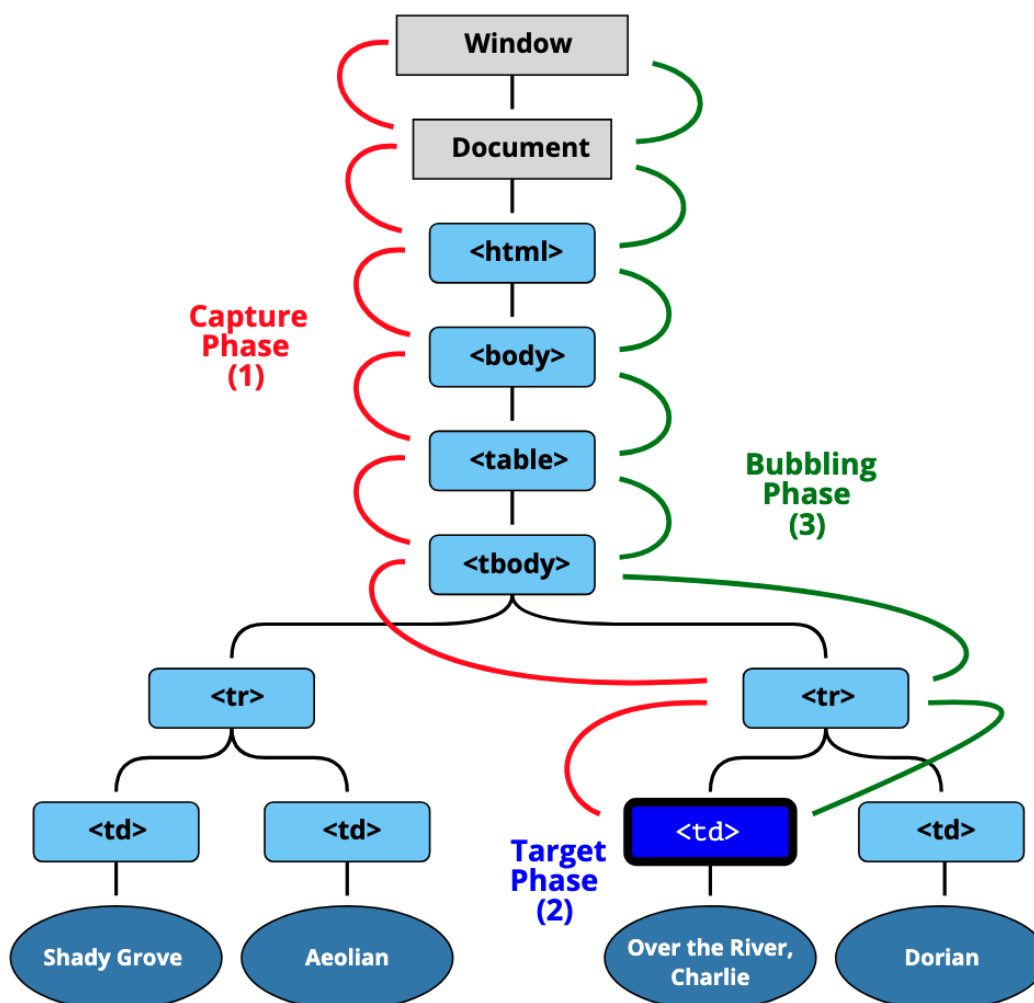


Capturing and Bubbling



Source: [Javascript Event Propagation | tutorialrepublic.com](https://tutorialrepublic.com/javascript-event-propagation/)



Source: [Bubbling and Capturing | javascript.info](https://javascript.info/bubbling-and-capturing)

```
btn.addEventListener('click', function(event) => {})
```

Note about **event** object

#	Name	Desc
1	event.target	the deepest element that originated the event
2	event.currentTarget	the current element that handles the event
3	event.eventPhase	capturing=1, target=2, bubbling=3
4	event.stopPropagation()	stop bubbling up
5	event.stopImmediatePropagation()	stop bubbling up + remaining listeners attached to current element

it will log both div and button click when you click on button

```
<div onclick="console.log('div click')">
  <button onclick="console.log('button click')">click me</button>
</div>
```

Prevent event bubble to parent click using event.stopPropagation()

```
<div onclick="console.log('div click')">
  <button id="buttonId">click me</button>
</div>
```

```
const button = document.getElementById('buttonId');
if (button) {
  button.addEventListener('click', (event) => {
    event.stopPropagation();

    console.log('button click');
  });

  button.click();
  // button click
  // the click event of div is not triggered
}
```

Prevent event bubble to parent + remaining listeners using event.stopImmediatePropagation()

```
<div onclick="console.log('div click')">
  <button id="buttonId">click me</button>
</div>
```

```
const button = document.getElementById('buttonId');
if (button) {
  button.addEventListener('click', (event) => {
    event.stopImmediatePropagation();

    console.log('button click');
  });

  button.addEventListener('click', (event) => {
    console.log('tada!!!');
  });

  button.click();
  // button click
  // the second click event + div click event are not triggered
}
```


Tham khảo

- <https://javascript.info/bubbling-and-capturing>
- <https://developer.mozilla.org/en-US/docs/Web/API/EventTarget/addEventListener>
- <https://developer.mozilla.org/en-US/docs/Web/API/Event/stopImmediatePropagation>

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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