[illegible]

[illegible]

- [illegible]
  - HTML [illegible] on- [illegible]
  - [illegible]
  - EventTarget.addEventListener()
  - [illegible]
- this [illegible]
- [illegible]
- [illegible]

[illegible]

[illegible] listener [illegible] event-driven [illegible]

JavaScript [illegible]

HTML [illegible] on- [illegible]

HTML [illegible]

```
<body onload="doSomething()">
<div onclick="console.log('□□□□')">
```

[illegible] `body` [illegible] `load` [illegible] `div` [illegible] `click` [illegible]

[illegible] `on` [illegible] `onload` [illegible] `on + load` [illegible] `load` [illegible]

[illegible]

```
<!-- □□ -->
<body onload="doSomething()">

<!-- □□ -->
<body onload="doSomething">
```

□□□□□□□□□□ `on-`□□□□□□□□□ JavaScript □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

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```
<div onclick="console.log(2)">
  <button onclick="console.log(1)">□□</button>
</div>
```

□□□□□□ `<button>`□ `<div>`□□□□□ `<button>`□ `click`□□□□□□□ `<div>`□ `click`□□□□□ `on-`□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ `1`□□□□ `2` □□□□□□□□□□□□□□□□□

□□□□ `on-`□□□□□□□□□□□□ `setAttribute`□□□□ `on-`□□□□□□□□□□□□

```
el.setAttribute('onclick', 'doSomething()');
// □□□
// <Element onclick="doSomething()">
```

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```
window.onload = doSomething;

div.onclick = function (event) {
  console.log('□□□□');
};
```

□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□□□□□□□ HTML □ `on-`□□□□□□□□□□□□□□□□ `doSomething` □□□□□□□□□□□□□□□□□□□□□□□□ `doSomething()`□□

EventTarget.addEventListener()

□□ DOM □□□□□□ `addEventListener` □□□□□□□□□□□□□□□□□□□□

```
window.addEventListener('load', doSomething, false);
```

`addEventListener` □□□□□□□□□□ `EventTarget` □□□

□□

□□□□□□□□□□ “HTML □ on- □□ ”□□□□ HTML □ JavaScript □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□□ “□□□□□□□□□ ”□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ `onclick` □□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□□ `EventTarget.addEventListener` □□□□□□□□□□□□□□□□□□□□□□□□

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- □□ DOM □□□□□□□□□□ `window` □ `XMLHttpRequest` □□□□□□□□□□□□□□□□□ JavaScript □□□□□□□□□□

this □□□

□□□□□□□ `this` □□□□□□□□□□□□□□□□

```
<button id="btn" onclick="console.log(this.id)">□□</button>
```

□□□□□□□□□□□□□ `btn` □

□□□□□□□□□□□□□ `this` □□□□□□□□

```
// HTML □□□□
// <button id="btn">□□</button>
var btn = document.getElementById('btn');

// □□□
btn.onclick = function () {
  console.log(this.id);
```

```
};

// [illegible]
btn.addEventListener(
  'click',
  function (e) {
    console.log(this.id);
  },
  false
);
```

[illegible] `btn`[illegible]

[illegible]

[illegible] propagation[illegible]

- [illegible] [illegible] `window` [illegible] “[illegible]”[illegible] capture phase[illegible]
- [illegible] [illegible] “[illegible]”[illegible] target phase[illegible]
- [illegible] [illegible] `window` [illegible] “[illegible]”[illegible] bubbling phase[illegible]

[illegible]

```
<div>
  <p>[illegible]</p>
</div>
```

[illegible] `<div>` [illegible] `<p>` [illegible]

[illegible] `click`
[illegible]
[illegible] `<p>` [illegible] `click` [illegible]

```
var phases = {
  1: 'capture',
  2: 'target',
  3: 'bubble'
};
```

```
var div = document.querySelector('div');
var p = document.querySelector('p');

div.addEventListener('click', callback, true);
p.addEventListener('click', callback, true);
div.addEventListener('click', callback, false);
p.addEventListener('click', callback, false);

function callback(event) {
  var tag = event.currentTarget.tagName;
  var phase = phases[event.eventPhase];
  console.log("Tag: '" + tag + "'. EventPhase: '" + phase + "'");
}

// □□□□□□□□
// Tag: 'DIV'. EventPhase: 'capture'
// Tag: 'P'. EventPhase: 'target'
// Tag: 'P'. EventPhase: 'target'
// Tag: 'DIV'. EventPhase: 'bubble'
```

□□□□□□□ `click` □□□□□□□□□ `<div>` □□□□□□□□□□□□□□ 1□□ `<p>` □□□□□□□□□□ 2□□

1. □□□□□□□□ `<div>` □ `<p>` □□□□□□ `<div>` □ `click` □□□
2. □□□□□□□□ `<div>` □□ `<p>` □□□□ `<p>` □ `click` □□□
3. □□□□□□□□ `<p>` □□ `<div>` □□□□□□ `<div>` □ `click` □□□

□□□ `<p>` □□□□□□□□□□ `addEventListener` □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ `click` □□□□□□□□□□ `<p>` □□ `target` □□□□□□□□

□□□□□□□□□□ `click` □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ `<div>` □□□□□ `<p>` □□□□□□□ `<p>` □□□□□□□□□□□□□□□□□□□□ `target` □□□

□□□□□□□□□□□ `window` □□□□□□ `document` □ `html` □ `document.documentElement` □□ `body` □ `document.body` □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ `window` □ `document` □ `html` □ `body` □ `div` □ `p` □□□□□□□□□□ `p` □ `div` □ `body` □ `html` □ `document` □ `window` □

□□□□

[illegible]
[illegible] delegation[illegible]

```
var ul = document.querySelector('ul');

ul.addEventListener('click', function (event) {
  if (event.target.tagName.toLowerCase() === 'li') {
    // some code
  }
});
```

[illegible] `click` [illegible] `<ul>` [illegible] `<li>` [illegible] `click` [illegible] `<li>` [illegible]

[illegible] `stopPropagation` [illegible]

```
// [illegible] p [illegible]
p.addEventListener('click', function (event) {
  event.stopPropagation();
}, true);

// [illegible] p [illegible]
p.addEventListener('click', function (event) {
  event.stopPropagation();
}, false);
```

[illegible] `stopPropagation` [illegible]

[illegible] `stopPropagation` [illegible] `<p>` [illegible] `click` [illegible] `click` [illegible]

```
p.addEventListener('click', function (event) {
  event.stopPropagation();
  console.log(1);
});

p.addEventListener('click', function(event) {
  // [illegible]
  console.log(2);
});
```

[illegible] `p` [illegible] `click` [illegible] `stopPropagation`
[illegible] 1[illegible] 2[illegible]

[illegible] `click` [illegible] `stopImmediatePropagation` [illegible]

```
p.addEventListener('click', function (event) {
  event.stopImmediatePropagation();
  console.log(1);
});


p.addEventListener('click', function(event) {
  // [illegible]
  console.log(2);
});
```

[illegible] `stopImmediatePropagation` [illegible] `click` [illegible] 1[illegible] 2[illegible]

[illegible] #2
[illegible] 2018-04-19 20:48:05 UTC
[illegible] 2020-05-14 16:23:55 UTC