Event Bubbling

```
</pre
```

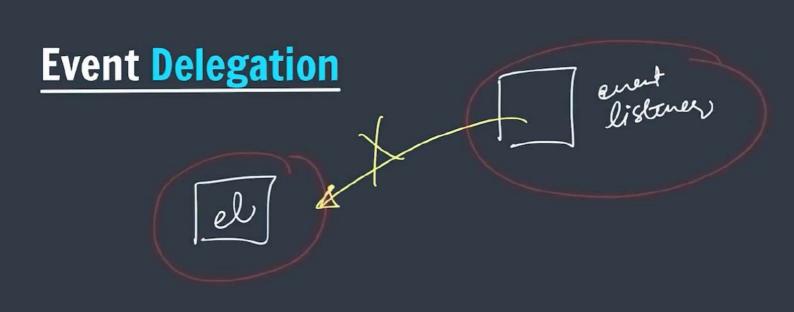
```
# style.css > 😫 ul
      div {
 1
 2
         background-color:  pink;
         height: 200px;
 3
         width: 400px;
 4
 5
 6
      ul {
 7
                                            I
         background-color: □blue;
 8
 9
10
      li {
11
12
         background-color: 
    greenyellow;

13
14
```

```
JS app.js > 1i.addEventListener("click") callback
      let div = document.querySelector("div");
      let ul = document.querySelector("ul");
 2
      let lis = document.querySelectorAll("li");
 3
 4
      div.addEventListener("click", function () {
 5
        console.log("div was clicked");
 6
      });
 8
      ul.addEventListener("click", function () {
 9
        console.log("ul was clicked");
10
      });
11
12
      for (li of lis) {
13
         li.addEventListener("click", function () {
14
          console.log("li was clicked");
15
        });
16
17
18
```

Activity

```
JS app.js > 😭 delBtn.addEventListener("click") callback
      let btn = document.querySelector("button");
  1
      let ul = document.querySelector("ul");
 2
      let inp = document.querySelector("input");
 3
 4
      btn.addEventListener("click", function () {
 5
        let item = document.createElement("li");
 6
 7
        item.innerText = inp.value;
 8
        let delBtn = document.createElement("button");
 9
        delBtn.innerText = "delete";
10
        delBtn.classList.add("delete");
11
12
13
        item.appendChild(delBtn);
        ul.appendChild(item);
14
        inp.value = "";
15
16
      }):
17
      let delBtns = document.querySelectorAll(".delete");
18
      for (delBtn of delBtns) {
19
        delBtn.addEventListener("click", function () {
20
          let par = this.parentElement;
21
          console.log(par);
22
          par.remove();
23
```



```
ul.addEventListener("click", function () {
  console.log("button clicked");
});
```

2 button clicked

```
ul.addEventListener("click", function (event) {
   console.log(event.target);
   console.log("button clicked");
}):
```

Default levels * No issues	
<pre><button class="delete">delete</button></pre>	<u>app.js:19</u>
button clicked	<u>app.js:20</u>
<pre><button class="delete">delete</button></pre>	<u>app.js:19</u>
button clicked	<u>app.js:20</u>

```
inputMode:
 isConnected: true
 isContentEditable: false
labels: NodeList []
 lang: ""
▶ lastChild: text
 lastElementChild: null
 localName: "button"
 name:
 namespaceURI: "http://www.w3.o
 nextElementSibling: null
 nextSibling: null
 nodeName: "BUTTON"
 nodeType: 1
 nodeValue: null
 nonce:
 offsetHeight: 21
 offsetLeft: 88
```

```
.addEventListener("click", function (event) {
  console.dir(event.target.nodeName);
}
```

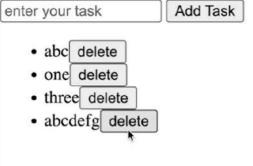
4 BUTTON	<u>app.js:19</u>
2 LI	<u>app.js:19</u>
BUTTON	<u>app.js:19</u>
βī	<u>app.js:19</u>
>	

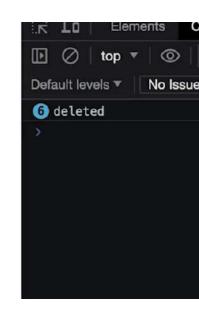
```
.addEventListener("click", function (event) {
   if (event.target.nodeName == "BUTTON") {
      console.log("delete");
   } else {
      console.log("don't delete");
   }
});
```

2 delete app.js:20
don't delete app.js:22

```
ul.addEventListener("click", function (event) {
   if (event.target.nodeName == "BUTTON") {
     let listItem = event.target.parentElement;
     listItem.remove();
     console.log("deleted");
  }
});
```

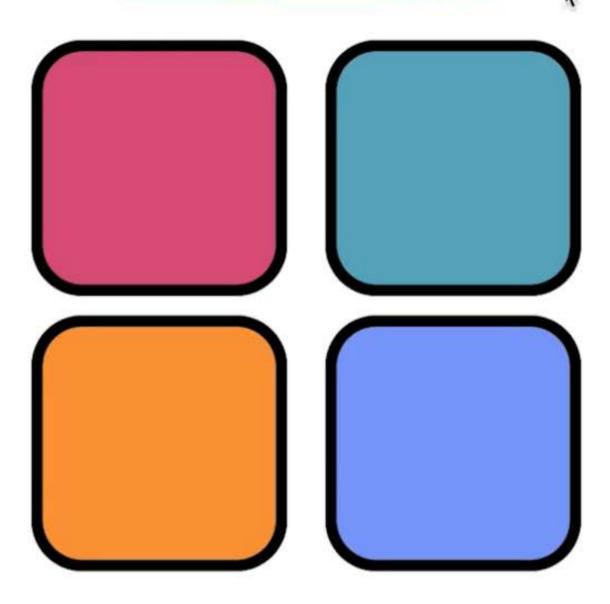
Todo App





Simon Game

Press any key to start the game



```
<head>
  <meta charset="UTF-8" />
  <meta name="viewport" content="width=device-width, initial-scale=1.0" />
  <title>Simon Says Game</title>
  <link rel="stylesheet" href="style.css" />
</head>
<body>
  <h1>Simon Says Game</h1>
  <h2>Press any key to start the game</h2>
  <div class="btn-container">
    <div class="line-one">
      <div class="btn red" type="button">1</div>
      <div class="btn yellow" type="button">2</div>
    </div>
    <div class="line-two">
      <div class="btn green" type="button">3</div>
      <div class="btn purple" type="button">4</div>
    </div>
  </div>
  <script src="app.js"></script>
</body>
html>
```

```
body {
  text-align: center;
.btn {
  height: 200px;
 width: 200px;
  border-radius: 20%;
  border: 10px solid Dblack;
 margin: 2.5rem; com
.btn-container {
  display: flex;
  justify-content: center;
```

```
.yellow {
 background-color: #f99b45;
. red {
 background-color: #d95980;
.purple {
 background-color: #819ff9;
.green {
 background-color: #63aac0;
```

