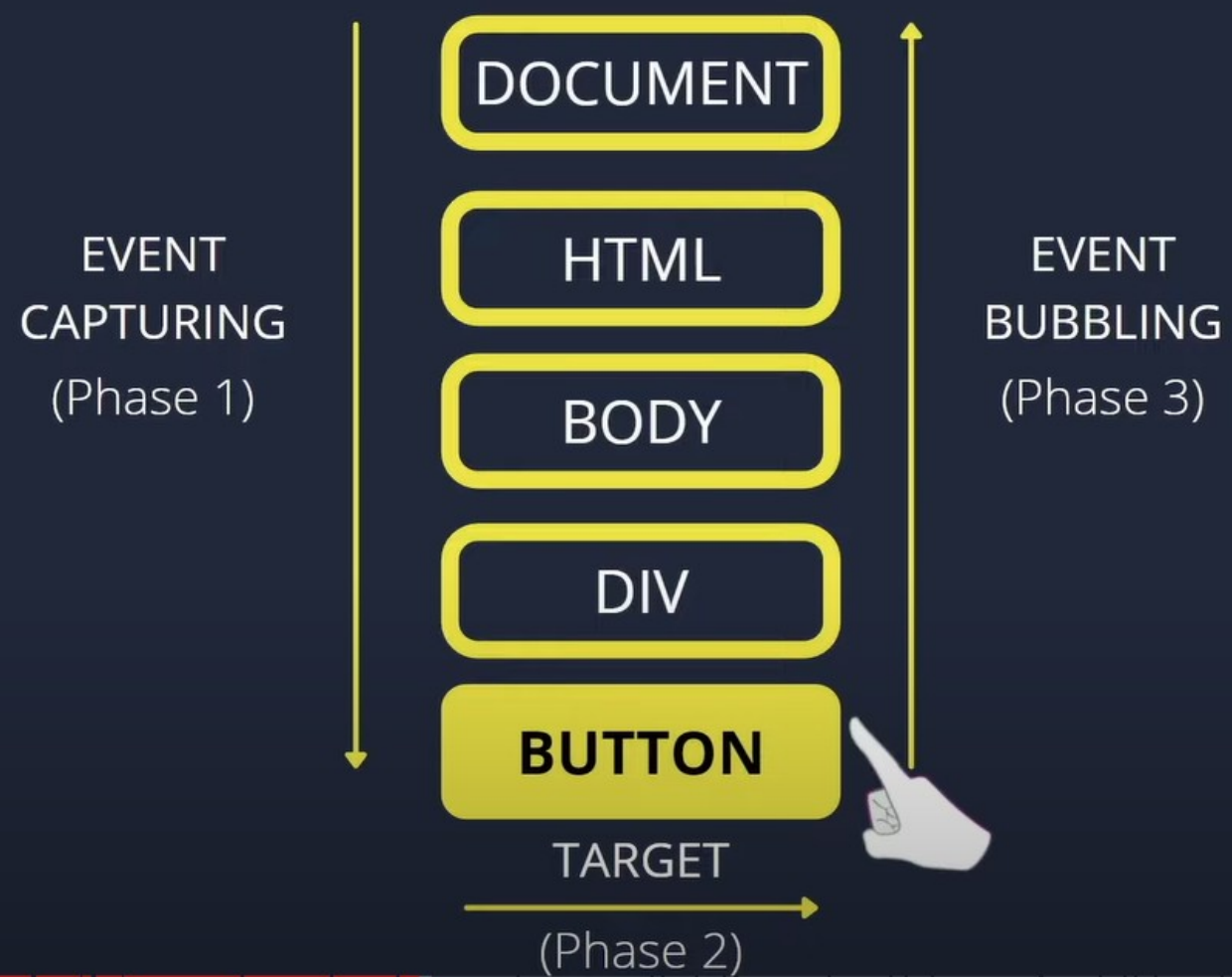


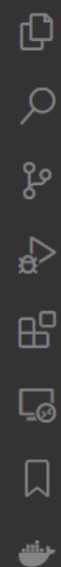


# 3 Phases Diagram

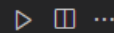


```

index.html x appjs config.md
index.html > html > head > style > body
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4     <meta charset="UTF-8">
5     <meta http-equiv="X-UA-Compatible" content="IE=edge">
6     <meta name="viewport" content="width=device-width, initial-scale=1.0">
7     <title>Master Dom Manipulation Part 1</title>
8     <style>
9
10         .div1{
11             font-size: 26px;
12             margin: 5px;
13             padding: 20px;
14             height: 200px;
15             width: 150px;
16             text-align: center;
17             margin: 0 auto;
18             border: 5px solid rgb(255, 255, 255);
19             border-radius: 8px;
20
21         }
22         .div2{
23             font-size: 26px;
24             margin: 5px;
25             padding: 10px;
26             height: 300px;
27             width: 300px;
28             text-align: center;
29             margin: 0 auto;
30             border: 5px solid rgb(255, 255, 255);
31             border-radius: 5px;
32
33         }
    
```



index.html × app.js config.md



index.html &gt; html &gt; head &gt; style &gt; body

```
33     }
34     body{
35         font-family: Arial, Helvetica, sans-serif;
36         color: ■rgb(235, 240, 243);
37         background-image: linear-gradient(■rgb(36, 42, 78), ■rgb(35, 120, 141));
38     }
39     button{
40         text-align: center;
41         background-color: Transparent;
42         color: ■white;
43         padding: 20px;
44         margin: 30px;
45         font-size: 16px;
46         text-decoration: none;
47         border: 3px solid ■rgb(255, 255, 255);
48         border-radius: 8px;
49         display : flex;
50     }
51
52     </style>
53 </head>
54 <h1 id="main-heading">Event Listeners</h1>
55 <div class="div2">
56     2
57     <div class="div1">
58         1
59         <button>CLICK</button>
60     </div>
61 </div>
62 </br>
63
64 <script src="app.js"></script>
65 </body>
```



index.html × app.js config.md

▶ □ ...

index.html &gt; html &gt; head &gt; style &gt; body

```
34     body{
35         font-family: Arial, Helvetica, sans-serif;
36         color: ■ rgb(235, 240, 243);
37         background-image: linear-gradient(■ rgb(36, 42, 78), ■ rgb(35, 120, 141));
38     }
39     button{
40         text-align: center;
41         background-color: Transparent;
42         color: ■ white;
43         padding: 20px;
44         margin: 30px;
45         font-size: 16px;
46         text-decoration: none;
47         border: 3px solid ■ rgb(255, 255, 255);
48         border-radius: 8px;
49         display : flex;
50     }
51
52 </style>
53 </head>
54 <h1 id="main-heading">Event Listeners</h1>
55 <div class="div2">
56     2
57     <div class="div1">
58         1
59         <button>CLICK</button>
60     </div>
61 </div>
62 </br>
63
64 <script src="app.js"></script>
65 </body>
66 </html>
```

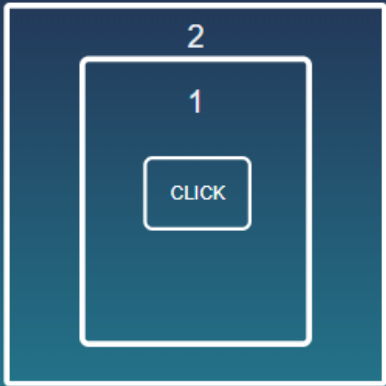


```
index.html > html > head > style
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta http-equiv="X-UA-Compatible" content="IE=edge">
6   <meta name="viewport" content="width=device-width, initial-
7   <title>Master Dom Manipulation Part 1</title>
8 > <style>...
52 </style>
53 </head>
54 <h1 id="main-heading">Event Listeners</h1>
55 <div class="div2">
56   2
57   <div class="div1">
58     1
59     <button>CLICK</button>
60   </div>
61 </div>
62 </br>
63
64 <script src="app.js"></script>
65 </body>
66 </html>
```

Arquivo | E:/DOM/index.html

Dimensions: Responsive 728 x 433 75% No throttling

## Event Listeners



DevTools is now available in Portuguese!

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Elements Console Sources Network Performance Memory

top Filter Default levels No Issues

Uncaught TypeError: Cannot read properties of null (reading 'addEventListener') app.js:14

at app.js:14:11

```
Arquivo  Editar  Seleção  Ver  Acessar  Executar  ...  app.js - DOM - Visual St...  [Icons]  -

index.html  app.js  config.md

app.js > ...
1  // DOM MANIPULATION
2
3  /* Event Probagation */
4  window.addEventListener("click", function(){
5      console.log('Window');
6  },true);
7
8  document.addEventListener("click", function(){
9      console.log('Document');
10 },true);
11
12 document.querySelector(".div2").addEventListener("click",function(){
13     console.log('DIV 2');
14 },true);
15
16 document.querySelector(".div1").addEventListener ("click",function(){
17     console.log('DIV 1');
18 },true);
19
20 document.querySelector("button").addEventListener ("click",function(e){
21     console.log(e);
22 },true);
```

Master Dom Manipulation Part 1

Arquivo | E:/DOM/index.html

Dimensions: Responsive 728 x 320 75% No throttling

## Event Listeners

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Elements Console Sources Network Performance Memory

top Filter Default levels No Issues

Window	app.js:5
Document	app.js:9
DIV 2	app.js:13
DIV 1	app.js:17

CLIQUE

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Elements

Console

Sources

Network

Performance

Memory



1



top



Filter

Default levels

1 Issue: 1



DIV 2

app.js:13

DIV 1

app.js:17

Window

app.js:5

Document

app.js:9

DIV 2

app.js:13

DIV 1

app.js:17

► PointerEvent {isTrusted: true, pointerId: 0, width: 1, height: 1, pressure: 0, ...} app.js:21





## Podemos usar qualquer um desses metodos

DEVTOOLS IS NOW AVAILABLE IN PORTUGUESE:

Always match Chrome's language Switch DevTools to Portuguese Don't show again

Elements Console Sources Network Performance >> 2 1

top Filter Default levels 1 Issue: 1

app.js:21

```
▼ PointerEvent {isTrusted: true, pointerId: 0, width: 1, height: 1, pressure: 0, ...} ⓘ  
  isTrusted: true  
  altKey: false  
  altitudeAngle: 1.5707963267948966  
  azimuthAngle: 0  
  bubbles: true  
  button: 0  
  buttons: 0  
  cancelBubble: false  
  cancelable: true  
  clientX: 385  
  clientY: 265  
  composed: true  
  ctrlKey: false  
  currentTarget: null  
  defaultPrevented: false  
  detail: 1  
  eventPhase: 0  
  fromElement: null  
  height: 1  
  isPrimary: false  
  layerX: 385
```

27°C Ensolarado 12:20

```
Arquivo  Editar  Seleção  Ver  Acessar  Executar  ...  app.js - DOM - Visual St...  [Icons]  -
```

index.html app.js config.md

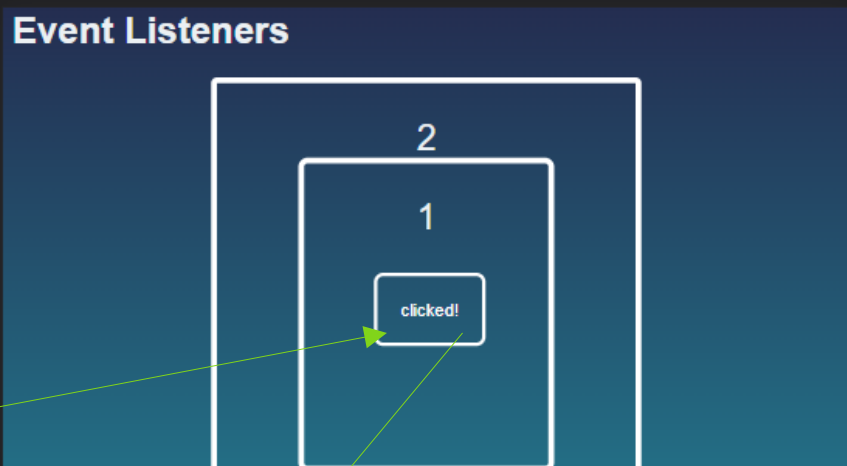
```
app.js > addEventListener("click") callback
1  // DOM MANIPULATION
2
3  /* Event Probagation */
4  window.addEventListener("click", function(){
5      console.log('Window');
6  },true);
7
8  document.addEventListener("click", function(){
9      console.log('Document');
10 },true);
11
12 document.querySelector(".div2").addEventListener("click",function(){
13     console.log('DIV 2');
14 },true);
15
16 document.querySelector(".div1").addEventListener ("click",function(){
17     console.log('DIV 1');
18 },true);
19
20 document.querySelector("button").addEventListener ("click",function(e){
21     console.log(e.target.innerText = 'clicked!');
22 },true);
```

Master Dom Manipulation Part 1 x +

Arquivo | E:/DOM/index.html

Dimensions: Responsive 728 x 397 75% No throttling

## Event Listeners



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Elements Console Sources Network Performance Memory

top Filter Default levels No Issues

Window	Source
Document	app.js:9
DIV 2	app.js:13
DIV 1	app.js:17
clicked!	app.js:21

Ln 21, Col 47 Espaços: 4 UTF-8 CRLF {} JavaScript Go Live

```
Arquivo  Editar  Seleção  Ver  Acessar  Executar  ...  app.js - DOM - Visual St...  [Icons]  -

index.html  app.js  config.md

app.js > ...
1  // DOM MANIPULATION
2
3  /* Event Probagation */
4  window.addEventListener("click", function(){
5      console.log('Window');
6  },false);
7
8  document.addEventListener("click", function(){
9      console.log('Document');
10 },false);
11
12 document.querySelector(".div2").addEventListener("click",function(){
13     console.log('DIV 2');
14 },false);
15
16 document.querySelector(".div1").addEventListener ("click",function(){
17     console.log('DIV 1');
18 },false);
19
20 document.querySelector("button").addEventListener ("click",function(e){
21     console.log(e.target.innerText = 'clicked!');
22 },false);
```


**Selecionar mais de 1 linha  
alt + click**

Master Dom Manipulation Part 1

Arquivo | E:/DOM/index.html

Dimensions: Responsive 728 x 334 75% No throttling

## Event Listeners



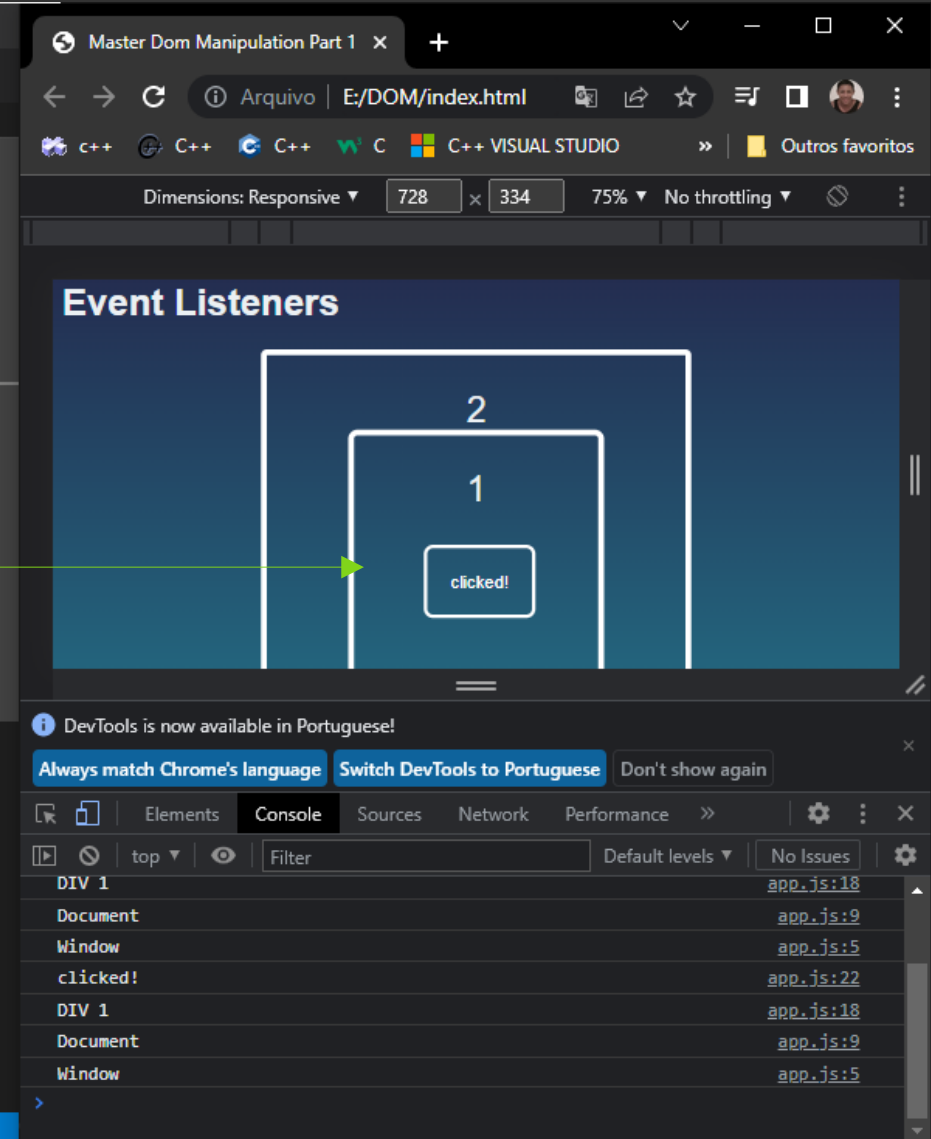
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Elements Console Sources Network Performance Memory

top Filter Default levels No Issues

clicked!	app.js:21
DIV 1	app.js:17
DIV 2	app.js:13
Document	app.js:9
Window	app.js:5



```
index.html > html
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta http-equiv="X-UA-Compatible" content="IE=edge">
6   <meta name="viewport" content="width=device-width, initial-scale=1.0">
7   <title>Master Dom Manipulation Part 1</title>
8   <style>...
52 </style>
53 </head>
54 <h1 id="main-heading">Event Listeners</h1>
55 <div class="div2">
56   2
57   <div class="div1">
58     1
59     <a href="" class="button">CLICK</a>
60   </div>
61 </div>
62 </br>
63
64 <script src="app.js"></script>
65 </body>
66 </html>
```

Master Dom Manipulation Part 1

Arquivo | E:/DOM/index.html

Dimensions: Responsive 728 x 401 75% No throttling

## Event Listeners

2

1 CLICK

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Elements Console Sources Network Performance

Uncaught TypeError: Cannot read properties of null (reading 'addEventListener') at app.js:21:33


```
index.html x app.js config.md
index.html > html > head > style > .button
25 padding: 30px;
26 height: 300px;
27 width: 300px;
28 text-align: center;
29 margin: 0 auto;
30 border: 5px solid #rgb(255, 255, 255);
31 border-radius: 5px;
32 }
33 body{
34 font-family: Arial, Helvetica, sans-serif;
35 color: #rgb(235, 240, 243);
36 background-image: linear-gradient(to top right, #rgb(36, 42, 78), #rgb(35,
37 }
38 }
39 .button{
40 font-size: 30px;
41 margin:auto;
42 padding: 10px;
43 border-radius: 10px;
44 cursor: pointer;
45 border: solid 3px #fff;
46 background: none;
47 color: #fff;
48 display: block;
49 }
50
51 </style>
52 </head>
53 <h1 id="main-heading">Event Listeners</h1>
54 <div class="div2">
55 2
56 <div class="div1">
57 1
```

Manipulação do Mestre Dom Par

Arquivo | E:/DOM/index.html

Dimensions: Responsive 728 x 401 75% No throttling

## Ouvintes de eventos



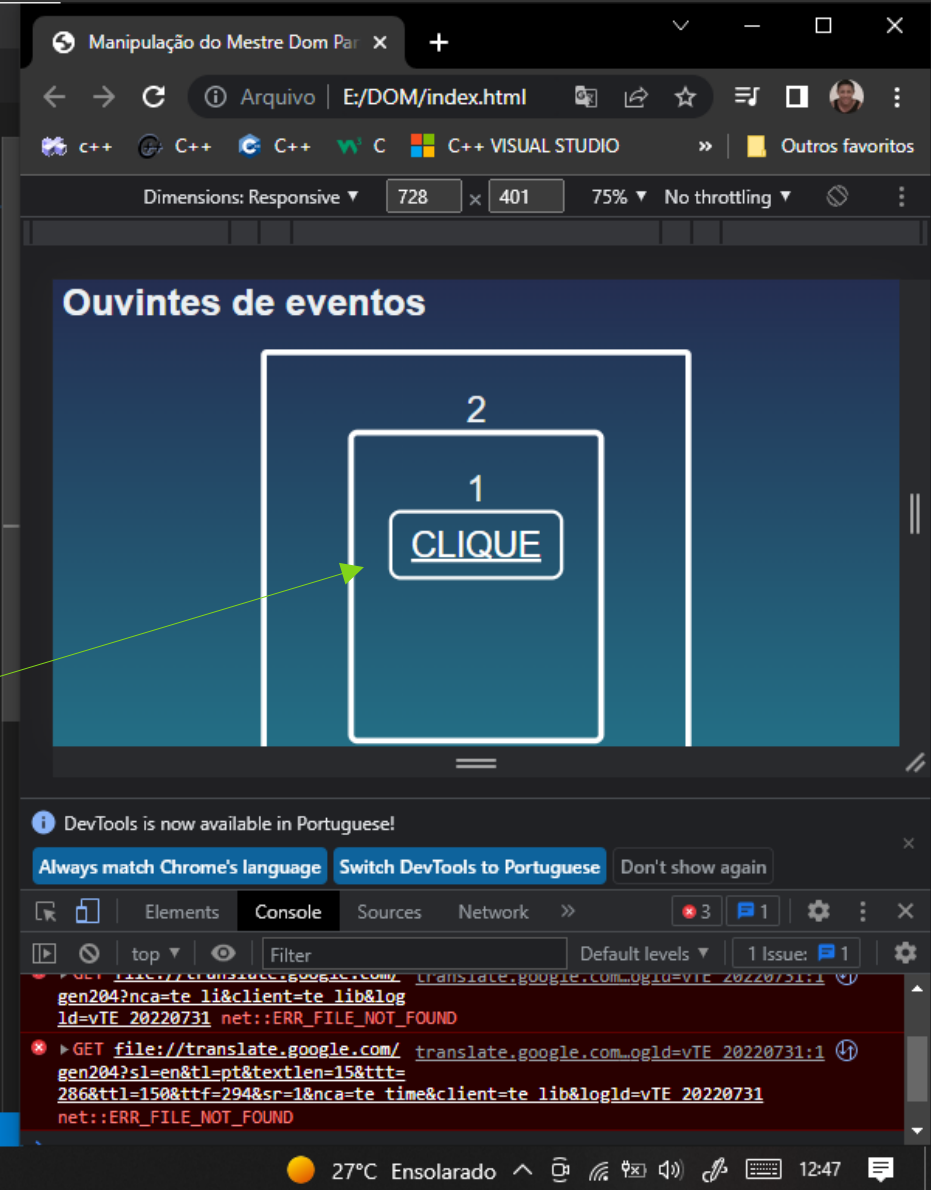
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Elements Console Sources Network

1 Issue: 1

Uncaught TypeError: Cannot read properties of null (reading 'addEventListener') at app.js:21:33



▶ ▢ ...

[illegible][illegible]

## Event Listeners

The diagram shows three nested rectangular boxes. The innermost box is labeled '1' and contains the text 'clicked!'. The middle box is labeled '2' and contains box 1. The outermost box is labeled '3' and contains box 2. This illustrates how an event starts at the innermost element and bubbles up through its parents.

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top Filter Default levels No Issues

DIV 2

app.js:14

Document app.js:9

Window app.js:5



