



Handling Events



Mohamed Mukthar Ahmed

99

Handling Events



Outline

What is an Event?

Handling Event - Syntax

MDN – Mouse Events

Getting Image

Adding Item to Array

Issues !

Mohamed Mukthar Ahmed

100

Handling Events



- **Handling events** with React elements is very similar to handling events on DOM elements.
- There are some syntax differences:
 - React events are named using **camelCase**, rather than lowercase.
 - With **JSX** you pass a **function** as the event handler, rather than a string.
- In HTML
- In React

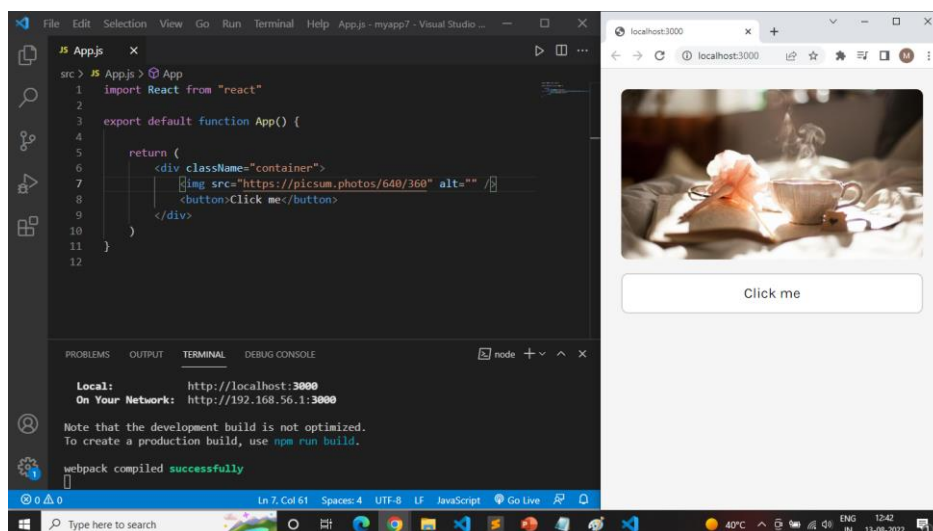
```
<button onclick="activateLasers()">
  Activate Lasers
</button>
```

```
<button onClick={activateLasers}>
  Activate Lasers
</button>
```

Mohamed Mukhtar Ahmed

101

Handling Events



Mohamed Mukhtar Ahmed

102



Handling Events

```

1 import React from "react"
2
3 export default function App() {
4   function handleClick() {
5     console.log("I was clicked!");
6   }
7
8   return (
9     <div className="container">
10      
11      <button onClick={handleClick}>Click me</button>
12    </div>
13  )
14 }
15

```

Console output: I was clicked!

Mohamed Mukhtar Ahmed

103



Handling Events

Support Ukraine ua Help Provide Humanitarian Aid to Ukraine.

React Docs Tutorial Blog Community Search v18.2.0 Languages GitHub

Mouse Events

Event names:

```

onClick onContextMenu onDoubleClick onDrag onDragEnd onDragEnter onDragExit
onDragLeave onDragOver onDragStart onDrop onMouseDown onMouseEnter onMouseLeave
onMouseMove onMouseOut onMouseOver onWheel

```

The `onMouseEnter` and `onMouseLeave` events propagate from the element being left to the one being entered instead of ordinary bubbling and do not have a capture phase.

Properties:

```

boolean altKey
number button
number buttons
number clientX
number clientY
boolean ctrlKey

```

INSTALLATION

MAIN CONCEPTS

ADVANCED GUIDES

API REFERENCE

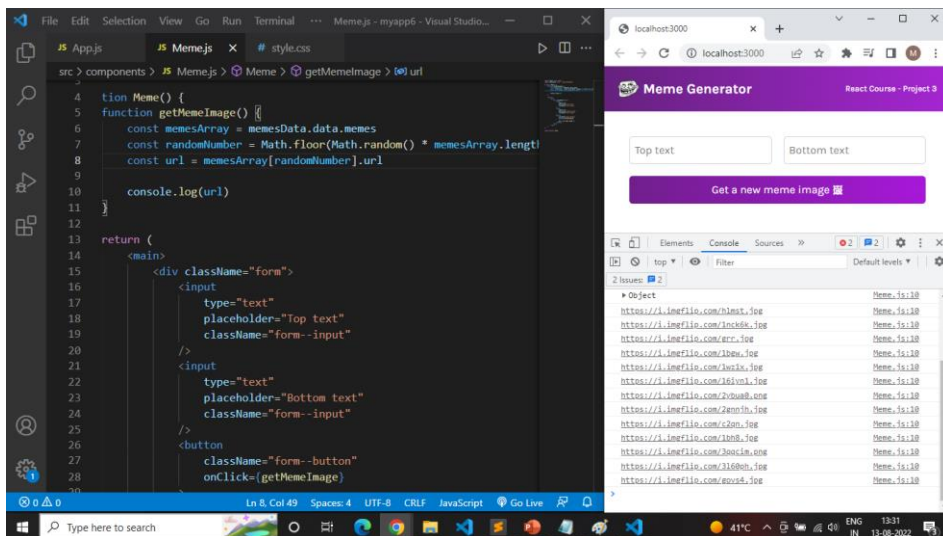
- React
- React.Component
- ReactDOM
- ReactDOMClient
- ReactDOMServer
- DOM Elements
- SyntheticEvent**
- Test Utilities
- Test Renderer

■ Mouse Events makeup 90% of the ...

Mohamed Mukhtar Ahmed

104

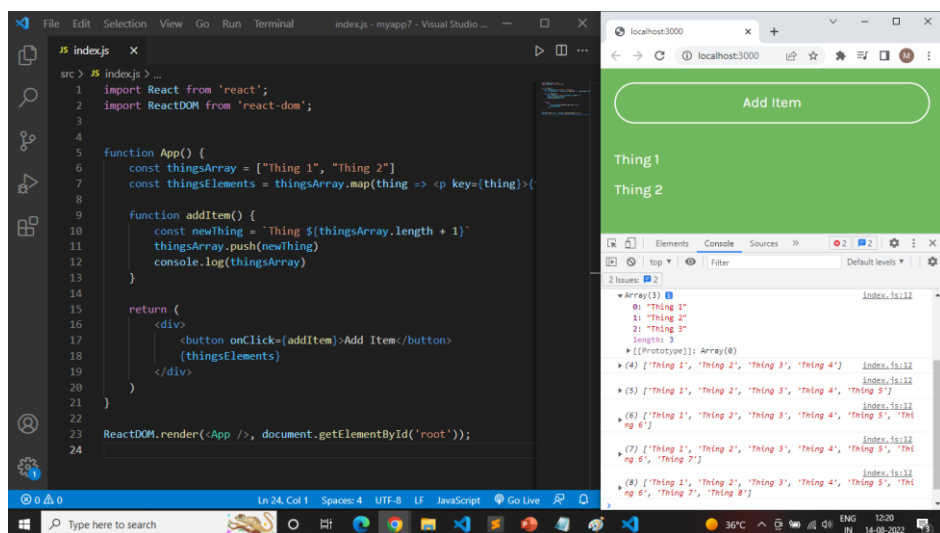
Meme Generator – Getting Image



Mohamed Mukhtar Ahmed

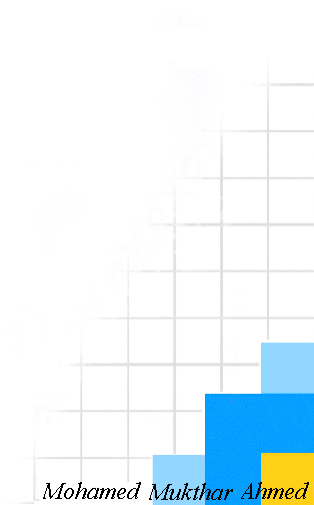
105

Add Item to Array



Mohamed Mukhtar Ahmed

106



107