

## 5. Controlled vs Uncontrolled Input

In React, the Input Element

`value` can be handled in two ways:

- Controlled Input
- Uncontrolled Input

### 5.1 Controlled Input

If the Input Element

`value` is handled by a React State, then it is called **Controlled Input**.

It is the React Suggested way to handle the Input Element value.

**Example:**

JSX

```
1 import { Component } from "react"
2
3 class App extends Component {
4   state = {
5     searchInput: "",
6   }
7
8   onChangeSearchInput = (event) => {
9     this.setState({
10       searchInput: event.target.value,
11     })
12   }
13
14   render() {
15     const { searchInput } = this.state
16     return (
17       <input type="text" value={searchInput} onChange={this.onChangeSearchInput} />
18     )
19   }
20 }
```

```

17     </>
18     <input
19       type="text"
20       onChange={this.onChangeSearchInput}
21       value={searchInput}
22     />
23     <p>{searchInput}</p>
24   </>
25 )
26 }
27 }
28
29 export default App

```

Collapse ^

## 5.2 Uncontrolled Input

If the Input Element

`value` is handled by the browser itself, then it is called **Uncontrolled Input**.

**Example:**

JSX

```

1  import { Component } from "react"
2
3  class App extends Component {
4    state = {
5      searchInput: "",
6    }
7
8    onChangeSearchInput = (event) => {
9      this.setState({
10        searchInput: event.target.value,
11      })
12    }
13
14    render() {

```

```
15     const { searchInput } = this.state
16     return (
17       <>
18         <input type="text" onChange={this.onChangeSearchInput} />
19         <p>{searchInput}</p>
20       </>
21     )
22   }
23 }
24
25 export default App
```

Collapse ^