

ReactJS. Front to backend. BT 2022

Project 3 - mrketplace

<https://github.com/PacktPublishing/React-Front-to-Back-2022>

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0 Advanced React hooks

0.1 Intro

Create a new React app for practice

CLI=> *npx create-react-app react-hooks-practice*

Add it to index.html (before page title)

```
<link
  href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css"
  rel="stylesheet"
  integrity="sha384-1BmE4kWBq78iYhFldvKuhfTAU6auU8tT94WrHftjDbrCEXSU1oBoqyl2QvZ6jIW3"
  crossorigin="anonymous"
/>
```

0.2 useRef hook example 1

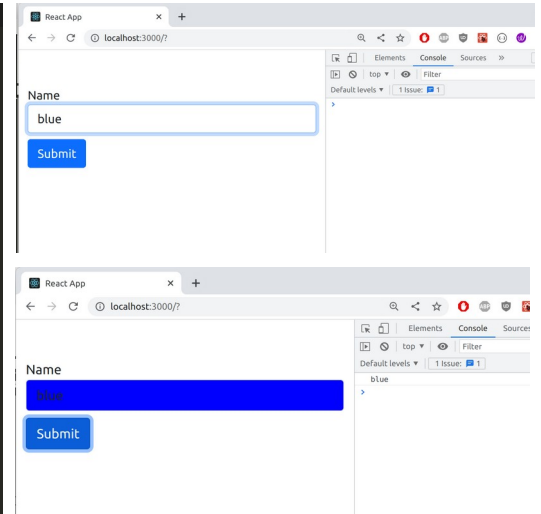
This hook allows you to create a reference to the DOM element inside a functional component.

Create a new folder to store components react-hooks-practice/components

Create a new file UseRefExample1.jsx (rafce)

Import it to App.js

```
src > components > UseRefExample1.jsx > ...
1  import { useRef } from 'react';
2  const UseRefExample1 = () => {
3    const inputRef = useRef();
4    const onSubmit = e => {
5      e.preventDefault();
6      console.log(inputRef.current.value);
7      inputRef.current.value = 'hahah';
8      inputRef.current.style.backgroundColor = inputRef.current.value;
9    };
10   return (
11     <div>
12       <form onSubmit={onSubmit}>
13         <label htmlFor='name'>Name</label>
14         <input type='text' ref={inputRef} id='name' className='form-control mb-2' />
15         <button type='submit' className='btn btn-primary'>
16           Submit
17         </button>
18       </form>
19     </div>
20   );
21 };
22 export default UseRefExample1;
```



0.3 useRef hook example 2

```
App.jsx  UseRefExample2.jsx  UseRefExample1.jsx
src > components > UseRefExample2.jsx > ...
1  import { useRef, useState, useEffect } from 'react';
2  const UseRefExample2 = () => {
3    const [name, setName] = useState('');
4    const renders = useRef(1);
5    const prevName = useRef('');
6
7    useEffect(() => {
8      renders.current++;
9      prevName.current = name;
10     }, [name]);
11
12     return (
13       <>
14         <h4>Example 2</h4>
15         <h1>Renders: {renders.current}</h1>
16         <h2>Prev Name State: {prevName.current}</h2>
17         <input
18           type='text'
19           value={name}
20           onChange={e => setName(e.target.value)}
21           className='form-control mb-3'
22         />
23         <hr />
24         <br />
25       </>
26     );
27   };
28   export default UseRefExample2;
29
```

