

React Forms

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Outline

Forms in React

React Docs - Forms

JS Code

React Code

The onChange Event

Changing State - onChange

Controlled Components

React Docs

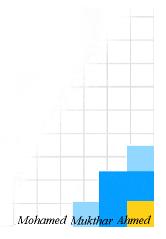
Text Fiels

Textarea Control

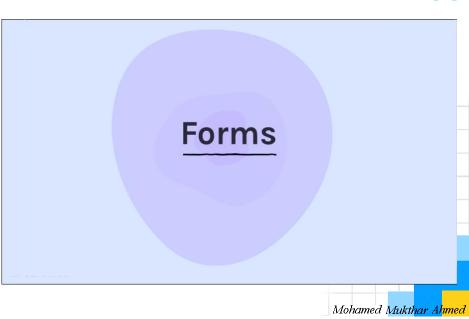
Checkbox and Radio Buttons

Drop-down List

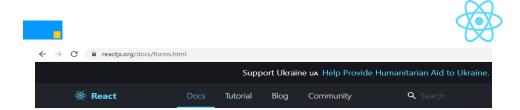
The onSubmit Event







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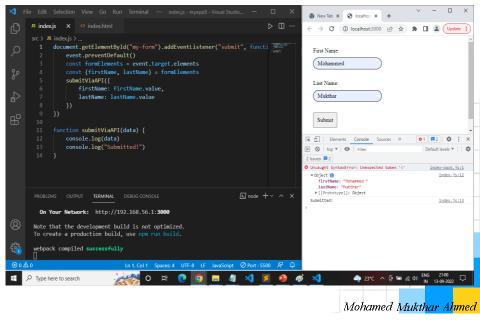


Forms

HTML form elements work a bit differently from other DOM elements in React, because form elements naturally keep some internal state. For example, this form in plain HTML accepts a single name:

JS Code

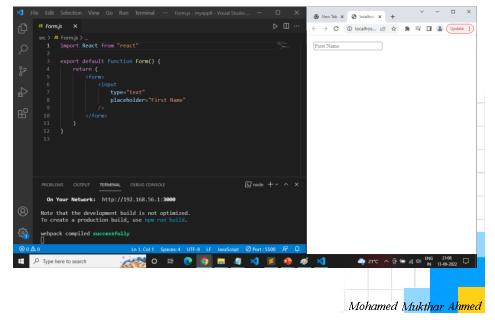




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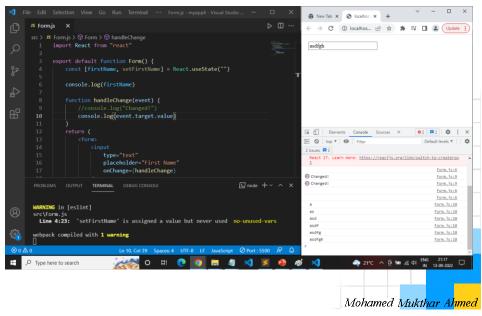
React Code





The onChange Event

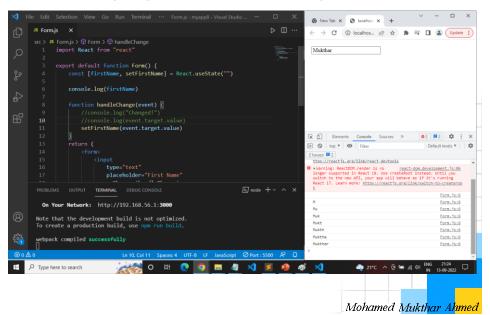




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Changing State - onChange

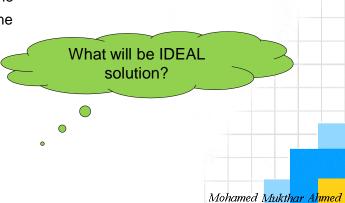




Changing State – onChange



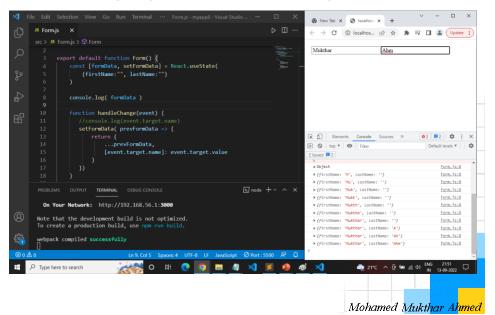
- What can be done if the form has multiple controls/widgets.
- ExampleFirst Name
 - Last Name



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Changing State – onChange





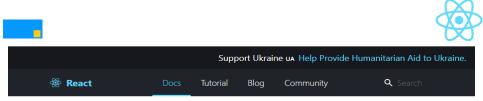
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Controlled Components

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Controlled Components

In HTML, form elements such as <input>, <textarea>, and <select> typically maintain their own state and update it based on user input. In React, mutable state is typically kept in the state property of components, and only updated with setState().

We can combine the two by making the React state be the "single source of truth". Then the React component that renders a form also controls what happens in that form on subsequent user input. An input form element whose value is controlled by React in this way is called a "controlled component".

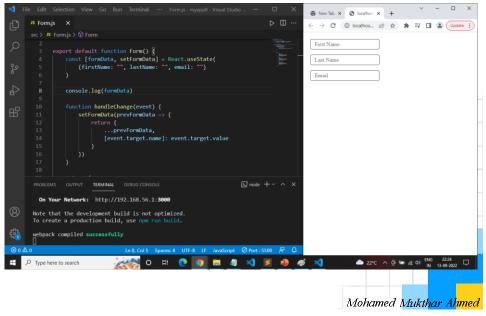
For example, if we want to make the previous example log the name when it is submitted, we can write the form as a controlled component:

class NameForm extends React.Component {
 constructor(props) {
 super(props);
 this.state = {value: ''};
}

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Controlled Components

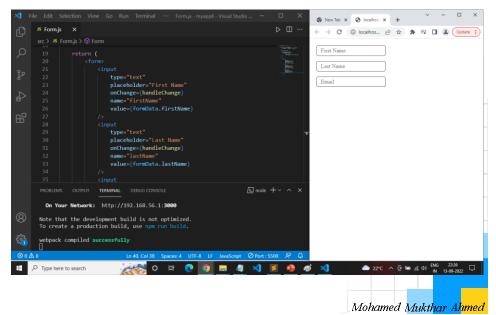




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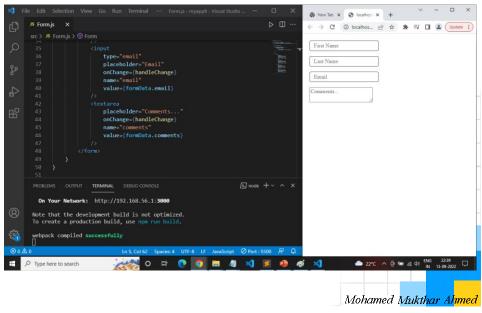
Controlled Components





Textarea Control

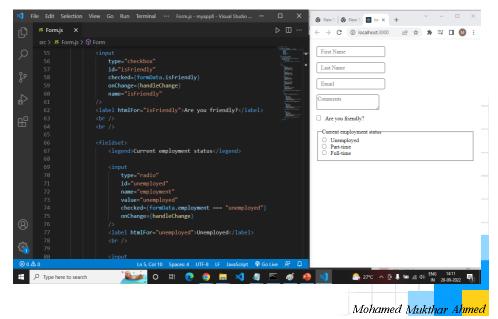




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Checkbox & Radio Button Controls

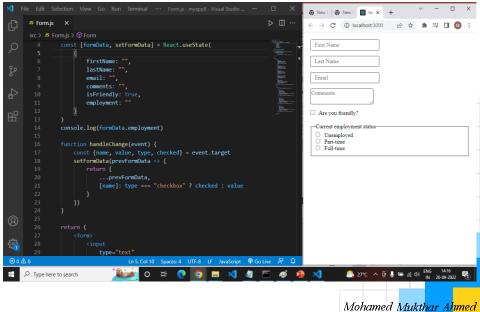




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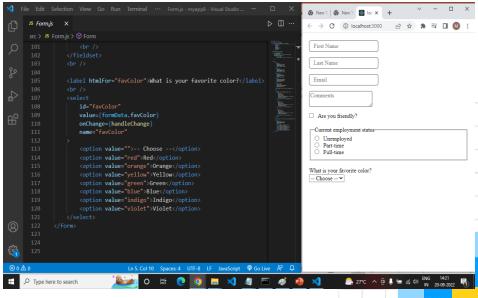




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Drop-Down-List

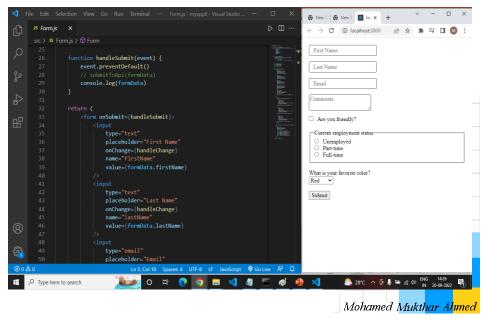




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The onSubmit Event





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