

### ASSIGNMENT -3:

#### “STATE CLASS”

#### CODING:

Boolean:

```
import React, { Component } from 'react';

class BooleanStateClassComponent extends Component {

  constructor(props) {

    super(props);

    // Initialize state with a boolean value

    this.state = {

      isToggled: false,

    };

    // Bind event handler method if needed

    this.handleClick = this.handleClick.bind(this);

  }

  // Event handler method to toggle the boolean value

  handleClick() {

    // Update state by toggling the boolean value

    this.setState((prevState) => ({

      isToggled: !prevState.isToggled,
```

```

    });
  }
  render() {
    return (
      <div>
        <p>Toggle State: {this.state.isToggled ? 'True' : 'False'}</p>
        <button onClick={this.handleClick}>Toggle</button>
      </div>
    );
  }
}

```

export default BooleanStateClassComponent

State class using form:

```

import React, { Component } from 'react';
class FormStateClassComponent extends Component {
  constructor(props) {
    super(props);
    // Initialize state with form fields
    this.state = {
      firstName: "",
      lastName: "",
      email: "",

```

```
};

// Bind event handler methods if needed

this.handleChange = this.handleChange.bind(this);

this.handleSubmit = this.handleSubmit.bind(this);

}

// Event handler method to update state on input change

handleChange(event) {

  const { name, value } = event.target;

// Update state with the new input value

  this.setState({

    [name]: value,

  });

}

// Event handler method for form submission

handleSubmit(event) {

  // Prevent the default form submission behavior

  event.preventDefault();

// Perform actions with form data (in this case, just logging to the console)

  console.log('Form submitted with state:', this.state);

}

render() {

  return (
```

```
<div>

  <form onSubmit={this.handleSubmit}>

    <label>

      First Name:

      <input

        type="text"

        name="firstName"

        value={this.state.firstName}

        onChange={this.handleInputChange}

      />

    </label>

    <br />

    <label>

      Last Name:

      <input

        type="text"

        name="lastName"

        value={this.state.lastName}

        onChange={this.handleInputChange}

      />

    </label>

    <br />
```

```

    <label>

    Email:

    <input

    type="email"

    name="email"

    value={this.state.email}

    onChange={this.handleInputChange}

    />

    </label>

    <br />

    <button type="submit">Submit</button>

    </form>

    </div>

    );

    }

}

export default FormStateClassComponent;

STATE CLASS USING STRING:

    import React, { Component } from 'react';

    class StringStateClassComponent extends Component {

    constructor(props) {

```

```
    super(props);

// Initialize state with a string value

    this.state = {

        message: 'Hello, React!',

    };

// Bind event handler methods if needed

    this.handleChange = this.handleChange.bind(this);

}

// Event handler method to update state on input change
handleChange(event) {

    // Update state with the new input value

    this.setState({

        message: event.target.value,

    });

}

render() {

    return (

        <div>

            <label>

                Type a message:

            <input

                type="text"
```

```
        value={this.state.message}
        onChange={this.handleInputChange}
      />
    </label>
    <p>Current Message: {this.state.message}</p>
  </div>
);
}
}
export default StringStateClassComponent;
```

These are the state class examples using form, Boolean and string.