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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.handleToggleClick = this.handleToggleClick.bind(this);

}

// Event handler method to toggle the boolean value

handleToggleClick() {

// 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.handleToggleClick}>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.handleInputChange = this.handleInputChange.bind(this);

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

}

// Event handler method to update state on input change

handleInputChange(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.handleInputChange = this.handleInputChange.bind(this);

}

// Event handler method to update state on input change

handleInputChange(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.