**WEEK 7: REACT Hands On 11**

**Creating a Event Example React Application**

**Code:**

**App.js**

import React from "react";

import "./App.css";

import CurrencyConvertor from "./CurrencyConvertor";

class App extends React.Component {

  constructor(props) {

    super(props);

    this.state = {

      count: 0

    };

    this.increment = this.increment.bind(this);

    this.sayHello = this.sayHello.bind(this);

    this.handleIncrease = this.handleIncrease.bind(this);

    this.sayWelcome = this.sayWelcome.bind(this);

  }

  increment() {

    this.setState({ count: this.state.count + 1 });

  }

  sayHello() {

    console.log("Hello! This is a static message.");

  }

  handleIncrease() {

    this.increment();

    this.sayHello();

  }

  decrement = () => {

    this.setState({ count: this.state.count - 1 });

  };

  sayWelcome(message) {

    alert(message);

  }

  handleSyntheticEvent = (event) => {

    alert("I was clicked");

    console.log("Synthetic event:", event);

  };

  render() {

    return (

      <div className="App">

        <h1>Event Handling in React</h1>

        <h2>Counter: {this.state.count}</h2>

        <button onClick={this.handleIncrease}>Increment</button>

        <button onClick={this.decrement}>Decrement</button>

        <hr />

        <button onClick={() => this.sayWelcome("Welcome to React!")}>

          Say Welcome

        </button>

        <hr />

        <button onClick={this.handleSyntheticEvent}>OnPress</button>

        <hr />

        <CurrencyConvertor />

      </div>

    );

  }

}

export default App;

**CurrencyConvertor.js**

import React from "react";

class CurrencyConvertor extends React.Component {

  constructor(props) {

    super(props);

    this.state = {

      rupees: "",

      euros: ""

    };

  }

  handleChange = (e) => {

    this.setState({ rupees: e.target.value });

  };

  handleSubmit = (e) => {

    e.preventDefault();

    const euros = (this.state.rupees / 90).toFixed(2); // Assume 1 Euro = 90 INR

    this.setState({ euros });

  };

  render() {

    return (

      <div>

        <h2>Currency Convertor</h2>

        <form onSubmit={this.handleSubmit}>

          <input

            type="number"

            placeholder="Enter INR"

            value={this.state.rupees}

            onChange={this.handleChange}

          />

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

        </form>

        {this.state.euros && (

          <p>

            💶 {this.state.rupees} INR = {this.state.euros} EUR

          </p>

        )}

      </div>

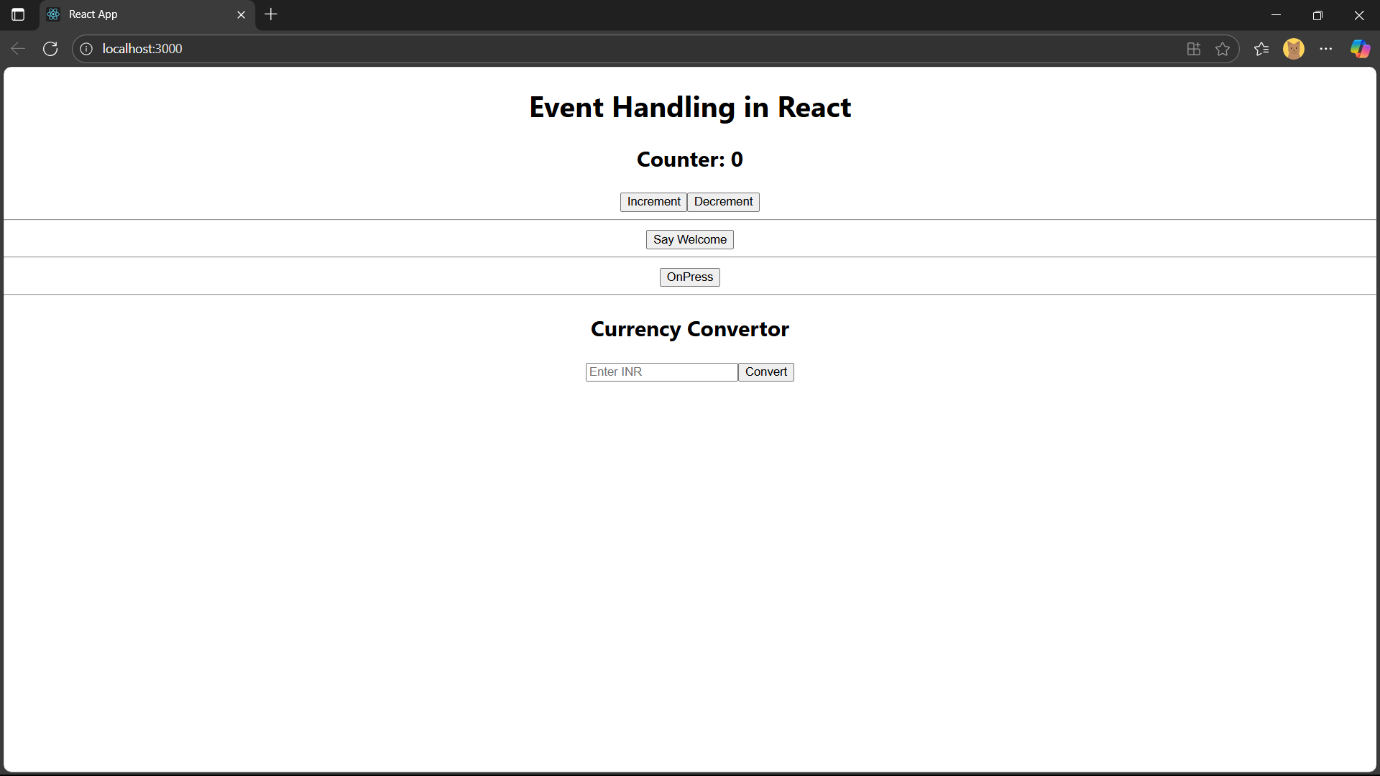
    );

  }

}

export default CurrencyConvertor;

**OUTPUT:**

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