[*App.js*](http://app.js)*:*

import React, { useState } from 'react';

import './App.css';

import CurrencyConvertor from './CurrencyConvertor';

function App() {

// Counter state

const [count, setCount] = useState(0);

const [message, setMessage] = useState('');

// Multiple methods for increment button

const incrementCount = () => {

setCount(prevCount => prevCount + 1);

};

const sayHello = () => {

setMessage('Hello! This is a static message.');

};

const handleIncrement = () => {

incrementCount();

sayHello();

};

// Welcome message function

const displayWelcome = (msg) => {

setMessage(msg);

};

// Synthetic event handler

const handleClick = (e) => {

setMessage('I was clicked');

console.log(e); // Synthetic event object

};

return (

<div className="App">

<h1>React Event Handling Examples</h1>

{/\* Counter Section \*/}

<div className="section">

<h2>Counter Example</h2>

<p>Count: {count}</p>

<div className="button-group">

<button onClick={handleIncrement}>Increment</button>

<button onClick={() => setCount(prevCount => prevCount - 1)}>

Decrement

</button>

</div>

</div>

{/\* Welcome Message Section \*/}

<div className="section">

<h2>Welcome Message</h2>

<button onClick={() => displayWelcome('Welcome to React Events!')}>

Say Welcome

</button>

</div>

{/\* Synthetic Event Section \*/}

<div className="section">

<h2>Synthetic Event</h2>

<button onClick={handleClick}>Click Me</button>

</div>

{/\* Display Messages \*/}

{message && <div className="message-box">{message}</div>}

{/\* Currency Converter Component \*/}

<CurrencyConvertor />

</div>

);

}

export default App;

[*CurrencyConvertor.js*](http://currencyconvertor.js)*:*

import React, { useState } from 'react';

const CurrencyConvertor = () => {

const [amount, setAmount] = useState('');

const [convertedAmount, setConvertedAmount] = useState(null);

const [error, setError] = useState('');

const handleSubmit = (e) => {

e.preventDefault(); // Prevent form submission

if (!amount || isNaN(amount)) {

setError('Please enter a valid number');

return;

}

const conversionRate = 0.011; // 1 INR = 0.011 EUR (approximate)

const result = parseFloat(amount) \* conversionRate;

setConvertedAmount(result.toFixed(2));

setError('');

};

return (

<div className="section currency-converter">

<h2>Currency Converter</h2>

<form onSubmit={handleSubmit}>

<div className="input-group">

<label htmlFor="amount">Amount in INR:</label>

<input

type="number"

id="amount"

value={amount}

onChange={(e) => setAmount(e.target.value)}

placeholder="Enter amount"

/>

</div>

{error && <p className="error">{error}</p>}

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

</form>

{convertedAmount && (

<p className="result">

{amount} INR = {convertedAmount} EUR

</p>

)}

</div>

);

};

export default CurrencyConvertor;

*App.css:*

.App {

text-align: center;

padding: 20px;

font-family: Arial, sans-serif;

max-width: 800px;

margin: 0 auto;

}

h1 {

color: #2c3e50;

margin-bottom: 30px;

}

.section {

border: 1px solid #ddd;

border-radius: 8px;

padding: 20px;

margin-bottom: 20px;

background-color: #f9f9f9;

}

.button-group {

display: flex;

gap: 10px;

justify-content: center;

margin-top: 10px;

}

button {

padding: 10px 15px;

background-color: #4CAF50;

color: white;

border: none;

border-radius: 4px;

cursor: pointer;

font-size: 14px;

transition: background-color 0.3s;

}

button:hover {

background-color: #45a049;

}

.message-box {

margin: 20px auto;

padding: 15px;

background-color: #e8f5e9;

border: 1px solid #c8e6c9;

border-radius: 4px;

max-width: 500px;

}

.currency-converter {

text-align: left;

}

.input-group {

margin-bottom: 15px;

}

.input-group label {

display: block;

margin-bottom: 5px;

font-weight: bold;

}

.input-group input {

width: 100%;

padding: 8px;

border: 1px solid #ddd;

border-radius: 4px;

box-sizing: border-box;

}

.error {

color: #f44336;

margin-top: 5px;

}

.result {

font-size: 18px;

font-weight: bold;

color: #2e7d32;

margin-top: 15px;

}

Output: 