# React Event Handling and Currency Converter App

This document contains the implementation of a React app named 'eventexamplesapp' which demonstrates event handling, synthetic events, and a currency converter form.

## App.js

import React, { Component } from 'react';  
import CurrencyConverter from './CurrencyConverter';  
  
class App extends Component {  
 constructor(props) {  
 super(props);  
 this.state = {  
 count: 5  
 };  
 }  
  
 handleIncrement = () => {  
 this.setState(prevState => ({  
 count: prevState.count + 1  
 }));  
 this.sayHello();  
 alert('Hello! Member1');  
 };  
  
 handleDecrement = () => {  
 this.setState(prevState => ({  
 count: prevState.count - 1  
 }));  
 };  
  
 sayHello = () => {  
 console.log('Hello!');  
 };  
  
 sayWelcome = (message) => {  
 alert(message);  
 };  
  
 handleClick = (e) => {  
 alert("I was clicked");  
 };  
  
 render() {  
 return (  
 <div style={{ padding: '20px' }}>  
 <p>{this.state.count}</p>  
 <button onClick={this.handleIncrement}>Increment</button>  
 <br /><br />  
 <button onClick={this.handleDecrement}>Decrement</button>  
 <br /><br />  
 <button onClick={() => this.sayWelcome("welcome")}>Say welcome</button>  
 <br /><br />  
 <button onClick={this.handleClick}>Click on me</button>  
 <br /><br />  
 <CurrencyConverter />  
 </div>  
 );  
 }  
}  
  
export default App;

## CurrencyConverter.js

import React, { Component } from 'react';  
  
class CurrencyConverter extends Component {  
 constructor(props) {  
 super(props);  
 this.state = {  
 amount: '',  
 currency: ''  
 };  
 }  
  
 handleAmountChange = (e) => {  
 this.setState({ amount: e.target.value });  
 };  
  
 handleCurrencyChange = (e) => {  
 this.setState({ currency: e.target.value });  
 };  
  
 handleSubmit = (e) => {  
 e.preventDefault();  
 const { amount, currency } = this.state;  
 const converted = parseFloat(amount) \* 80; // 1 Euro = 80 Rupees (example)  
 alert(`Converting to ${currency} Amount is ${converted}`);  
 };  
  
 render() {  
 return (  
 <div>  
 <h1 style={{ color: 'green' }}>Currency Convertor!!!</h1>  
 <form onSubmit={this.handleSubmit}>  
 <label>Amount:</label>  
 <input type="text" value={this.state.amount} onChange={this.handleAmountChange} /><br /><br />  
 <label>Currency:</label>  
 <textarea value={this.state.currency} onChange={this.handleCurrencyChange}></textarea><br /><br />  
 <button type="submit">Submit</button>  
 </form>  
 </div>  
 );  
 }  
}  
  
export default CurrencyConverter;

output:

