

## React Events

React events are similar to DOM events, but they are named using camelCase rather than lowercase. React wraps native DOM events with a cross-browser wrapper called SyntheticEvent, which provides consistent behavior across all browsers. Events can be attached to JSX elements using curly braces.

## Event Handlers

An event handler is a function that will be triggered when a specific event occurs. In React, event handlers are passed as props to JSX elements using camelCase syntax. For example: `<button onClick={handleClick}>Click me</button>` The method `handleClick` is triggered when the button is clicked.

## Synthetic Event

SyntheticEvent is a cross-browser wrapper around the browser's native event. It combines the behavior of different browsers into a single API, ensuring consistent behavior. All React events are instances of SyntheticEvent.

## React Event Naming Convention

React uses camelCase for event names instead of the lowercase used in HTML. For example: - HTML: `onclick` - React: `onClick` The event handler is passed as a function reference, not as a string.

## Project Summary

This project demonstrates handling of various React events using a class-based component structure. The application includes: 1. A counter with "Increment" and "Decrement" buttons. 2. The "Increment" button also triggers a greeting using `this` keyword. 3. A "Say Welcome" button that uses a parameter to display a message. 4. A "Click on me" button that triggers a synthetic event message. 5. A Currency Converter component that takes an amount and currency, and calculates conversion on form submission.