**REACT**

**WEEK-7 HANDSON-11 EXPLANATION**

**React Events**

• React events are JavaScript events that similar to Browser DOM events, following the React event system

• They are used in the case of a user interaction like a click, type, submission of form, hover, etc

• React wraps native events in a SyntheticEvent for cross-browser compatibility

**Event Handlers in React**

**•** Event handlers are the functions responding to user interaction

• They are assigned using JSX syntax such as onClick, onChange, onSubmit

• Event handlers are usually defined as arrow functions or as class methods

• Example

function handleClick() {

alert("Button was clicked")

}

Use in JSX: <button onClick={handleClick}>Click me</button>

**Synthetic Event**

• React creates SyntheticEvent wrapper around the native browser event

• It enables event to behave consistently across the different browsers

• SyntheticEvent has the same properties as native events, and methods of preventing default and stopping propagation

• For performance purposes, React automatically recycles synthetic events so they must not be invoked asynchronously unless made persistent

**React Event Naming Convention**

• React uses camelCase for naming all event handlers unlike HTML which uses all lowercase

• Examples

onClick in React instead of onclick in HTML

onChange instead of onchange

onSubmit instead of onsubmit