Cognizant Digital Nurture 4.0

Week-7

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React Hands-on Exercise 11

# Explain React events

* React events are actions or occurrences that happen in the browser, such as clicks, key presses, or mouse movements.
* React wraps browser's native events with its own event system, providing a consistent interface across all browsers.
* Examples include onClick, onChange, onSubmit, etc.
* These events can be handled by attaching event listeners to JSX elements.

# Explain about event handlers

* Event handlers are functions that are triggered when a specific event occurs.
* In React, they are passed as props to components and typically defined as class methods or arrow functions.
* Example: <button onClick={handleClick}>Click Me</button>
* The function handleClick will be executed when the button is clicked.

# Define Synthetic event

* SyntheticEvent is a cross-browser wrapper around the browser’s native event.
* It is part of React’s event delegation system and works identically across all browsers.
* It combines the behavior of different browsers into one API to simplify event handling in React.
* Synthetic events work the same way for all supported browsers, ensuring compatibility.

# Identify React event naming convention

* React uses camelCase for event handler names instead of lowercase.
* Examples: onClick (instead of onclick), onChange (instead of onchange).
* Event handler functions are passed inside curly braces, not as strings.
* Example: <button onClick={handleClick}>Click</button>