**WEEK-7\_ReactJs\_HOL**

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**Objectives**

**• Explain about React forms**

React forms are used to collect user inputs in web applications. Unlike regular HTML forms, React uses component state to control form fields. This enables real-time validation, dynamic updates, and better control over form behavior.

**• Define controlled components**

Controlled components are form inputs (like <input>, <textarea>, etc.) whose values are controlled by React state. The component’s state stores the current value, and updates happen via onChange handlers. This approach ensures that form data stays in sync with the component’s logic.

**• Explain about various input controls**

React supports many input controls such as:

* **Textboxes** (<input type="text">)
* **Textareas** (<textarea>)
* **Checkboxes** (<input type="checkbox">)
* **Radio buttons**, **Select dropdowns**  
  These controls work with value and onChange to manage user input using state.

**• Explain about handling forms**

Handling forms in React involves:

* Creating useState() hooks for each field
* Updating state on user interaction via onChange
* Using onSubmit to handle form submission  
  This method provides better validation and control over user inputs.

**• Explain about submitting forms**

When submitting a form:

* The onSubmit event handler is triggered
* e.preventDefault() prevents the page from reloading
* State values are read to access input data
* Actions like alerts, form reset, or API calls are performed

Create a React App named “ticketraisingapp” which will help to raise a complaint and get it resolved.

Create a component named “ComplaintRegister” with a form containing a textbox to enter the employee name and a textarea to enter the complaint. Use “handleSubmit” event of the button to submit the complaint and generate a Reference number for further follow ups in the alert box.

**App.js**

import React from 'react';

import ComplaintRegister from './ComplaintRegister';

function App() {

return (

<div className="App">

<ComplaintRegister />

</div>

);

}

export default App;

**OUTPUT**:

