## **Objectives**

* Explain about React forms
* Define controlled components
* Explain about various input controls
* Explain about handling forms
* Explain about submitting forms

In this hands-on lab, you will learn how to:

* Implement React forms
* Use various input controls like textbox, button and textarea

## **Prerequisites**

The following is required to complete this hands-on lab:

* Node.js
* NPM
* Visual Studio Code

## **Notes**

Estimated time to complete this lab: **60 minutes.**

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.

**Output Expected:**

**Code:**

import React from 'react';

import ComplaintRegister from './ComplaintRegister';

function App() {

  return (

    <div className="App">

      <ComplaintRegister />

    </div>

  );

}

export default App;

import React from 'react';

class ComplaintRegister extends React.Component {

  constructor(props) {

    super(props);

    this.state = {

      ename: '',

      complaint: '',

      NumberHolder: Math.floor(Math.random() \* 100) + 1,

    };

    this.handleChange = this.handleChange.bind(this);

    this.handleSubmit = this.handleSubmit.bind(this);

  }

  handleChange(event) {

    this.setState({ [event.target.name]: event.target.value });

  }

  handleSubmit(event) {

    const msg = `Thanks ${this.state.ename}\nYour Complaint was Submitted.\nTransaction ID is ${this.state.NumberHolder}`;

    alert(msg);

    event.preventDefault();

  }

  render() {

    return (

      <div style={{ textAlign: 'center' }}>

        <h2 style={{ color: 'red' }}>Register your complaints here!!!</h2>

        <form onSubmit={this.handleSubmit}>

          <div>

            <label>Name: </label>

            <input

              type="text"

              name="ename"

              value={this.state.ename}

              onChange={this.handleChange}

            />

          </div>

          <br />

          <div>

            <label>Complaint: </label>

            <textarea

              name="complaint"

              value={this.state.complaint}

              onChange={this.handleChange}

            />

          </div>

          <br />

          <button type="submit">Submit</button>

        </form>

      </div>

    );

  }

}

export default ComplaintRegister;

input, textarea {

  width: 300px;

  padding: 5px;

  margin-top: 5px;

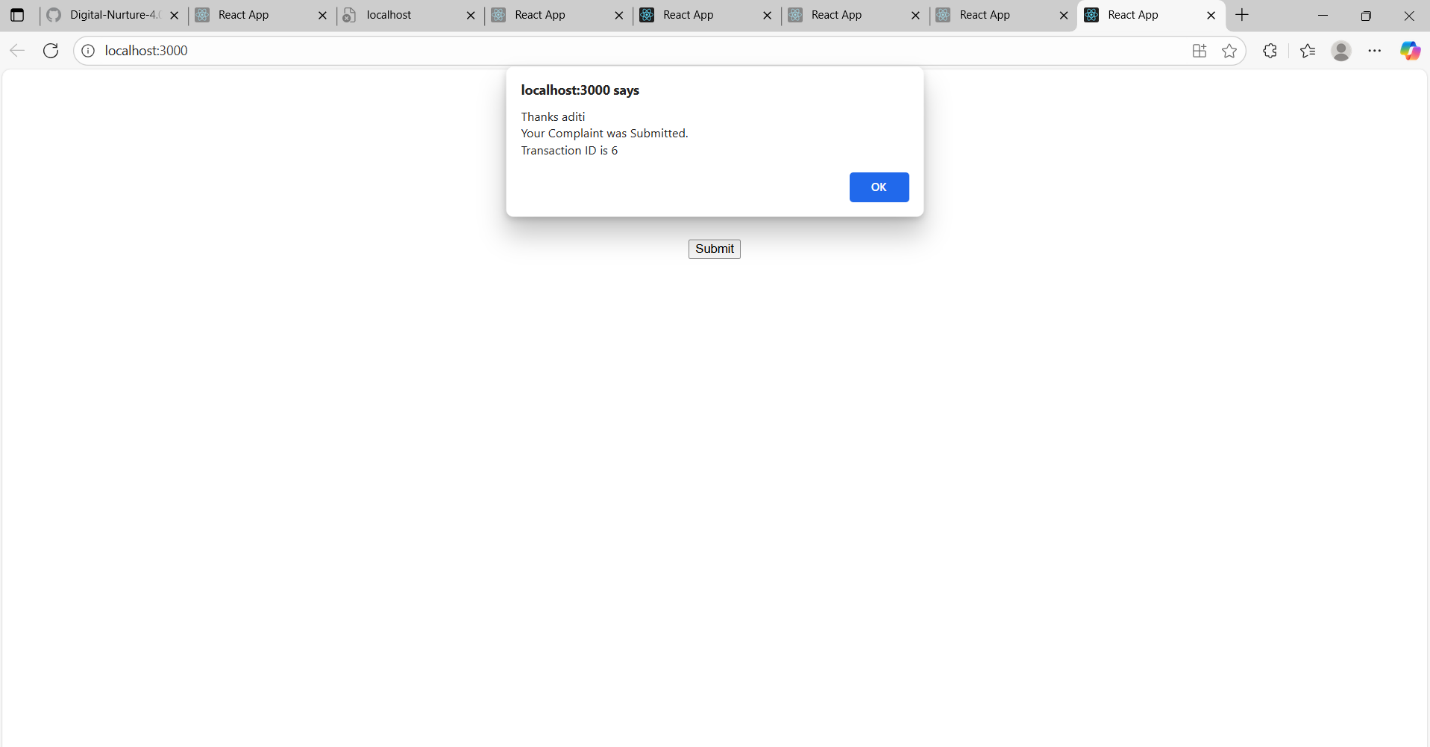
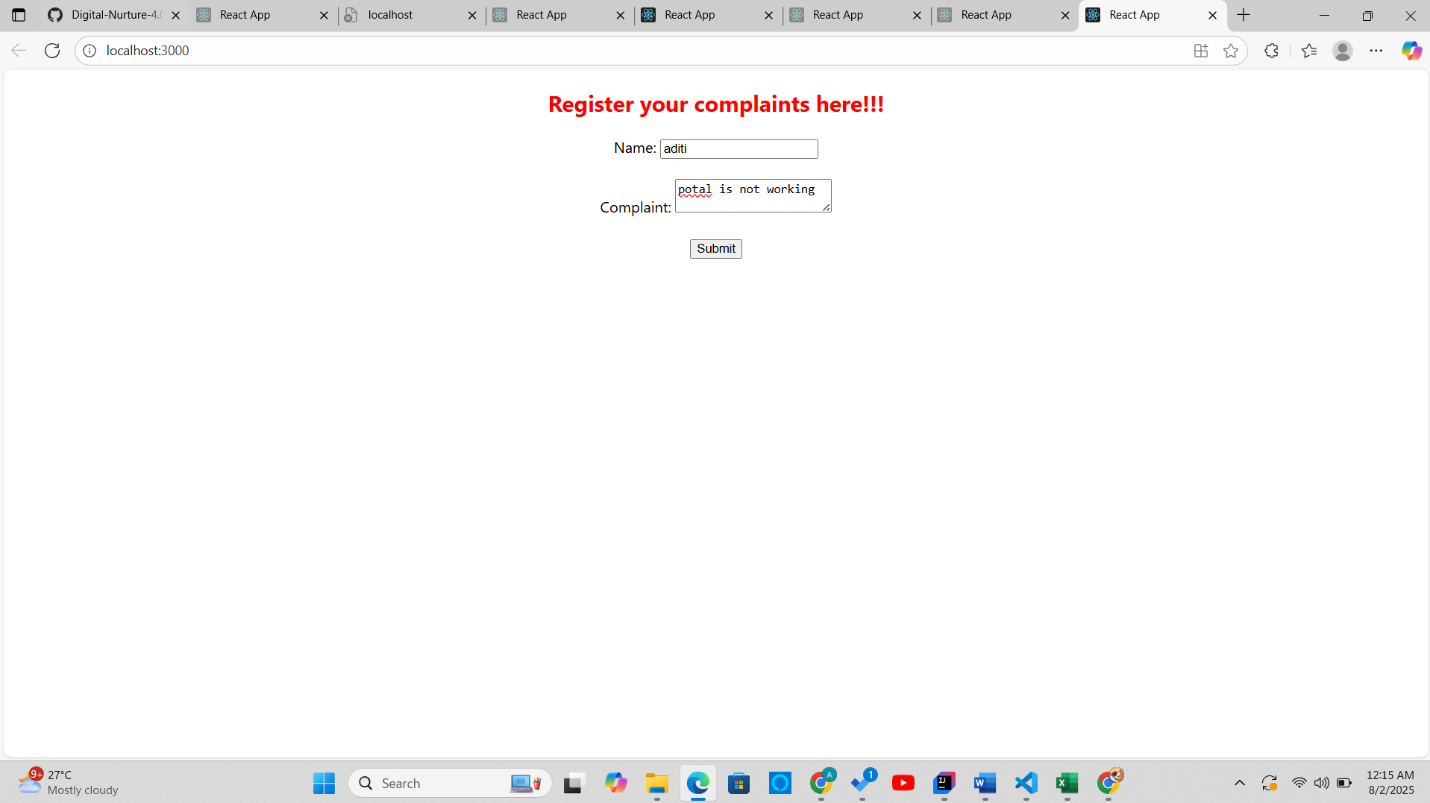
}

button {

  padding: 8px 16px;

  font-weight: bold;

}

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