React-15

**Project Title: TicketRaisingApp – React Application Using Controlled Forms**

**Objectives**

* Explain the concept of **React forms**.
* Define and utilize **controlled components**.
* Explore different **input controls** (textbox, textarea, button).
* Learn how to **handle and submit** forms in React.

**Learning Outcomes**

By the end of this hands-on lab, the learner will be able to:

* Implement a **form in React** using controlled components.
* Use **textbox**, **textarea**, and **buttons** for user inputs.
* Handle form submission and user interactions.
* Display feedback using alerts or notifications.

**Prerequisites**

The following tools must be installed to complete the lab:

* Node.js
* NPM
* Visual Studio Code

**Estimated Time**

* Approximately 60 minutes.

**Implementation Instructions**

1. **Project Setup**
   * Create a new React application named ticketraisingapp using the create-react-app tool.
2. **Component Creation**
   * Create a component called ComplaintRegister.
3. **Form Design**
   * Inside ComplaintRegister, design a form containing:
     + A **textbox** to enter the **employee name**.
     + A **textarea** to describe the **complaint**.
     + A **button** to submit the form.
4. **Form Handling**
   * Implement a handleSubmit function for the button’s onClick or onSubmit event.
   * Upon submission:
     + Validate and read form data.
     + Generate a **reference number**.
     + Display the reference number using an **alert box** for follow-up tracking.