

15.ticketraisingapp

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.

CODE:

App.js

```
import React from 'react';
import ComplaintRegister from './components/ComplaintRegister';

function App() {
  return (
    <div className="App">
      <ComplaintRegister />
    </div>
  );
}

export default App;
```

ComplaintRegister.js

```
import React, { useState } from 'react';

function ComplaintRegister() {
  const [name, setName] = useState("");
```

```
const [complaint, setComplaint] = useState("");
```

```
const handleSubmit = (e) => {
```

```
  e.preventDefault();
```

```
  const refNumber = Math.floor(100000 + Math.random() * 900000); // 6-digit  
  reference
```

```
  alert(`Thank you, ${name}! Your complaint has been submitted.\nReference  
Number: ${refNumber}`);
```

```
  setName("");
```

```
  setComplaint("");
```

```
};
```

```
return (
```

```
<div style={{ padding: '20px', fontFamily: 'Arial' }}>
```

```
<h2 style={{ color: 'green' }}>Complaint Register Form</h2>
```

```
<form onSubmit={handleSubmit}>
```

```
<div>
```

```
<label>Employee Name:</label><br />
```

```
<input
```

```
  type="text"
```

```
  value={name}
```

```
  onChange={(e) => setName(e.target.value)}
```

```
  required
```

```
  style={{ width: '300px', padding: '5px' }}
```

```
</div>
```

```
<br />

<div>

  <label>Complaint:</label><br />

  <textarea

    value={complaint}

    onChange={(e) => setComplaint(e.target.value)}

    required

    rows="5"

    cols="40"

    style={{ padding: '5px' }}

  />

</div>

<br />

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

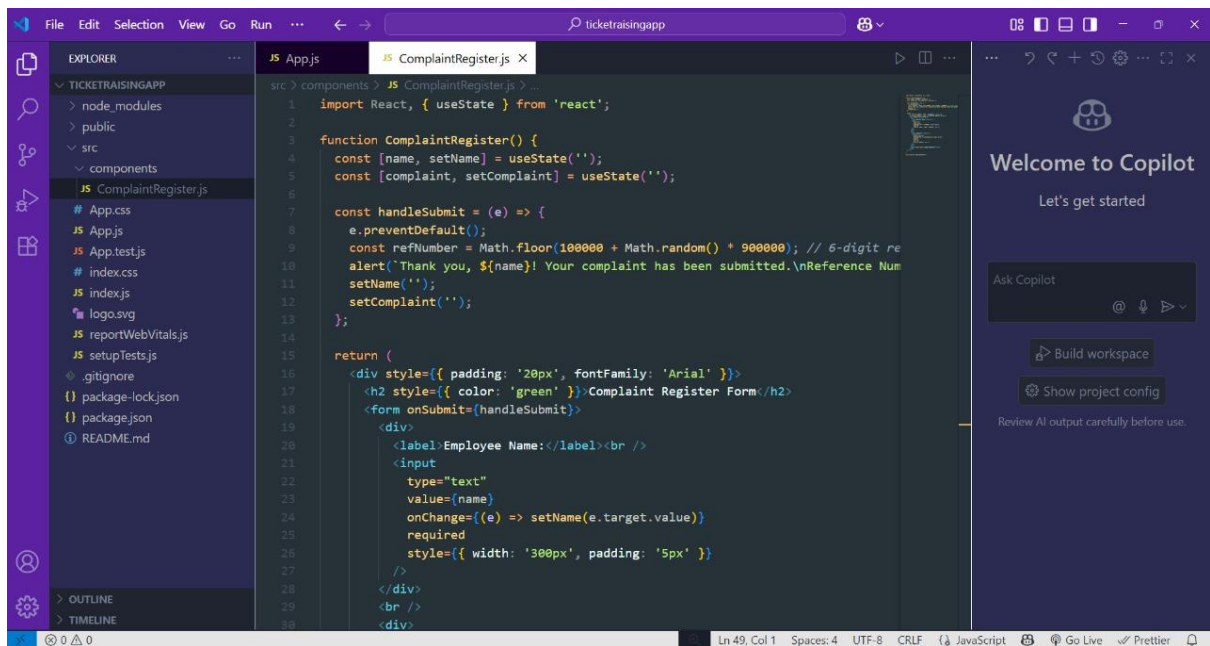
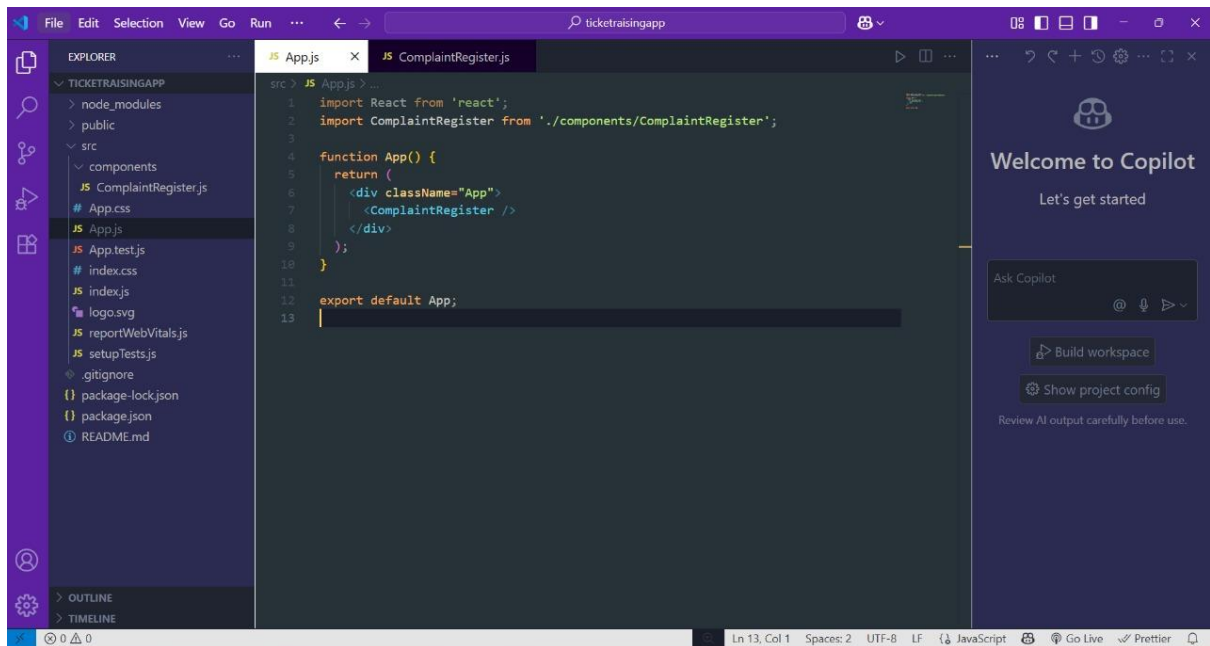
</form>

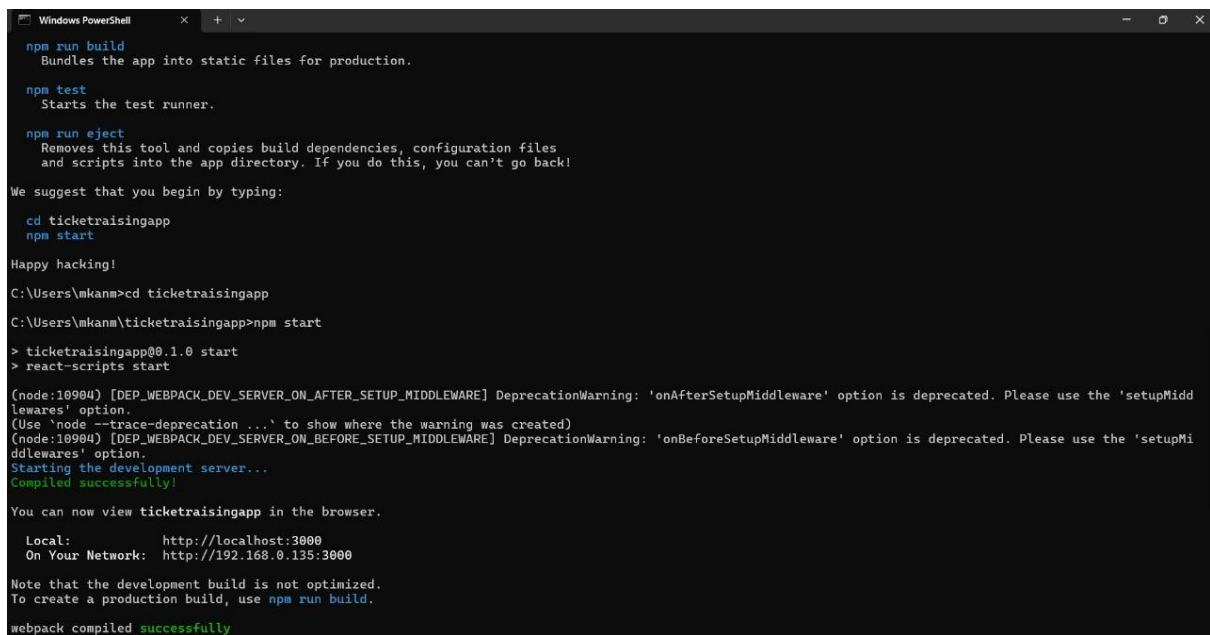
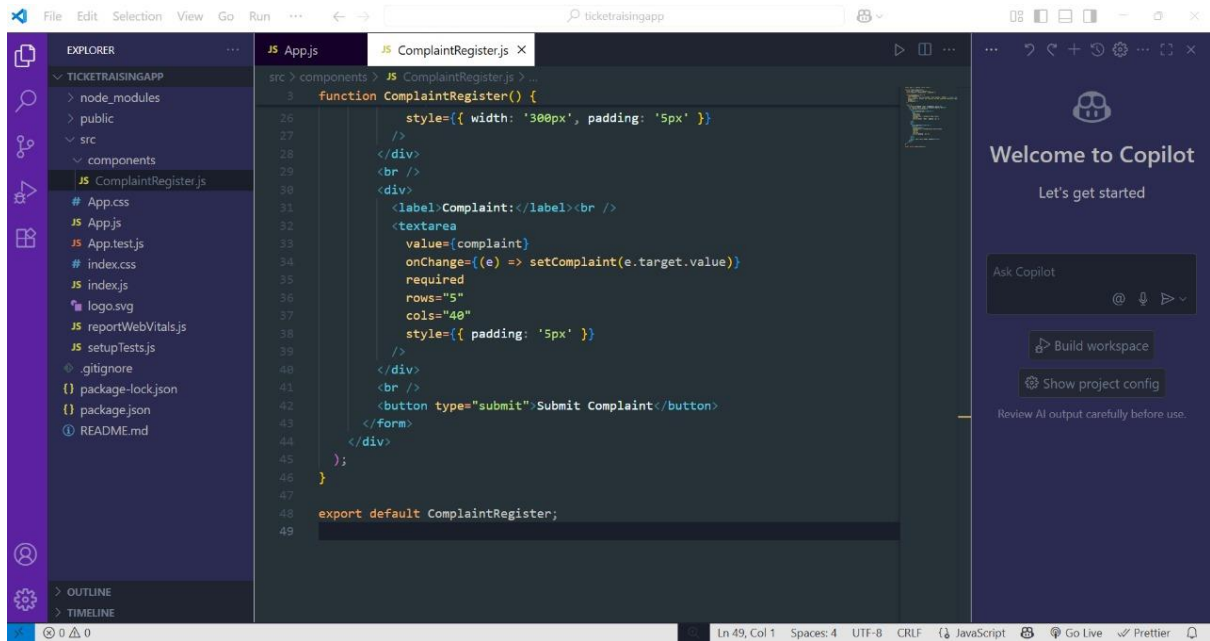
</div>

);

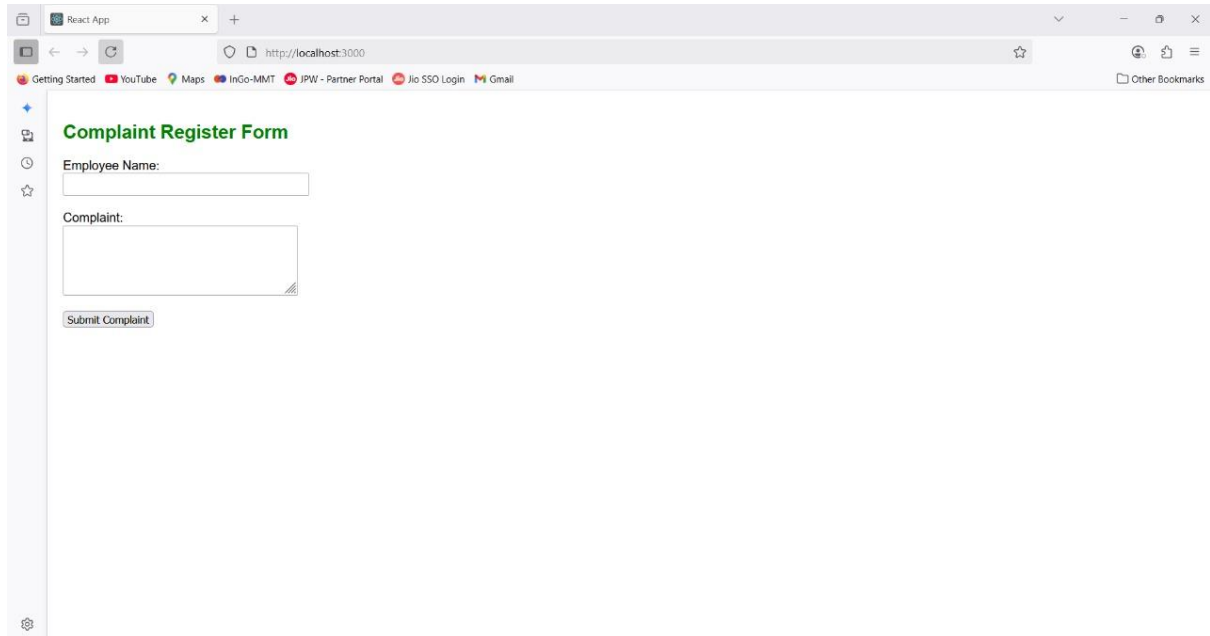
}

export default ComplaintRegister;
```





Output :

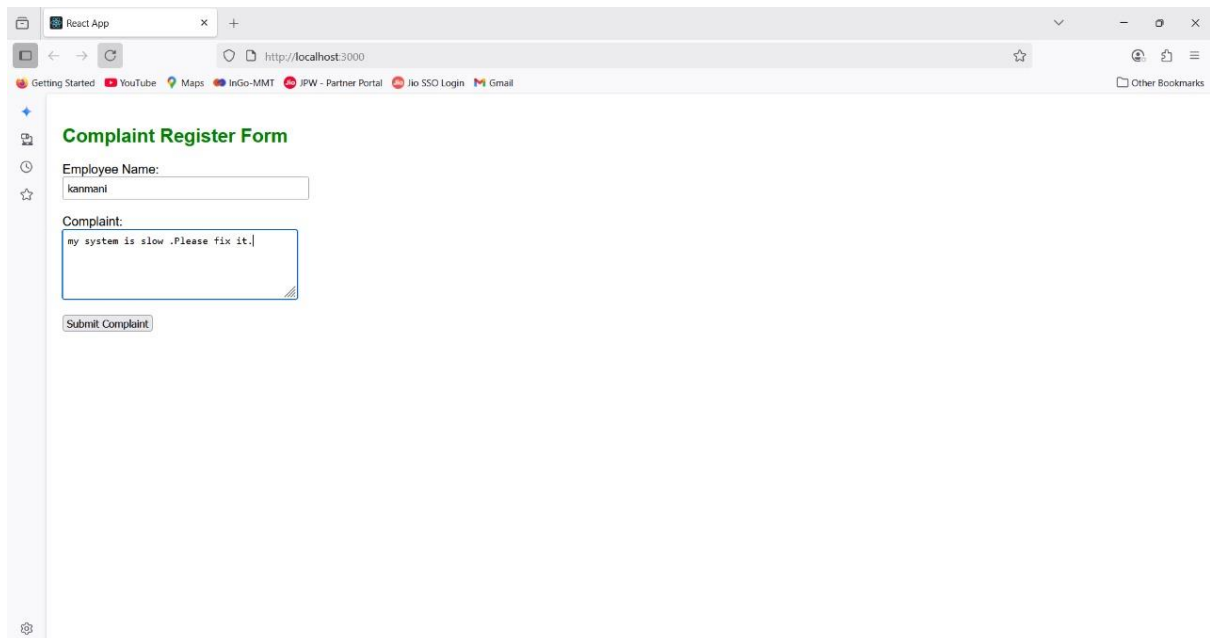


A screenshot of a web browser window displaying a form titled "Complaint Register Form". The browser's address bar shows "http://localhost:3000". The form contains two input fields: "Employee Name:" and "Complaint:". The "Employee Name:" field is empty. The "Complaint:" field is also empty. Below the "Complaint:" field is a "Submit Complaint" button. The browser's bookmark bar shows several links: "Getting Started", "YouTube", "Maps", "InGo-MMT", "JPW - Partner Portal", "Jio SSO Login", and "Gmail".

Complaint Register Form

Employee Name:

Complaint:

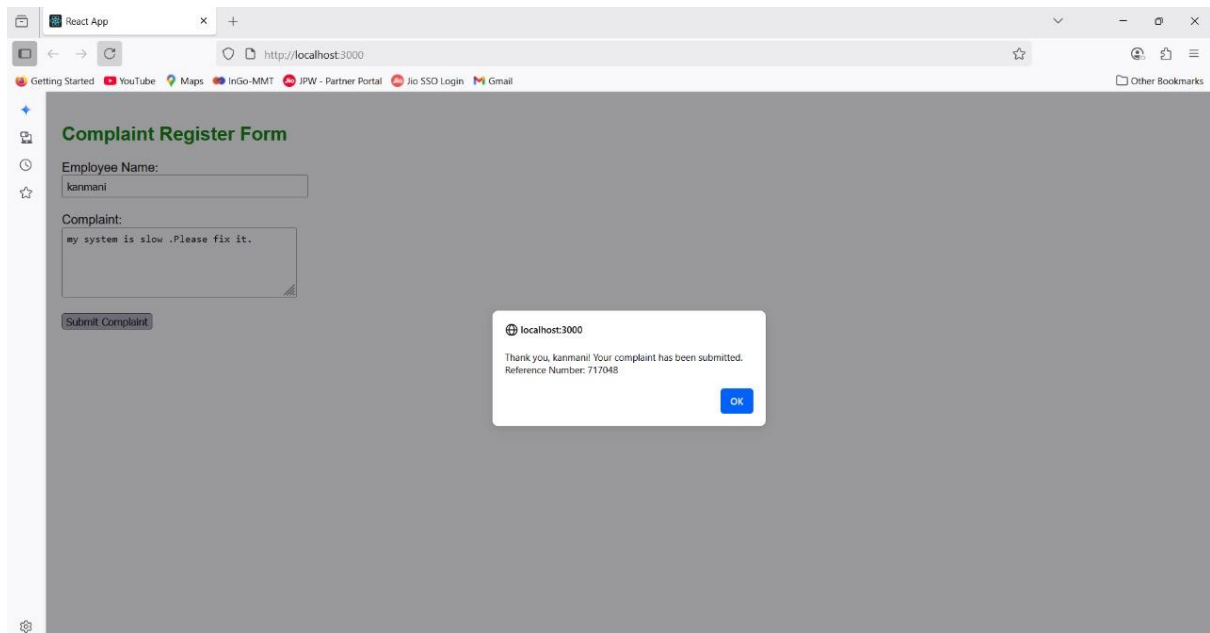


A screenshot of a web browser window displaying the same "Complaint Register Form" as above, but with the input fields filled. The "Employee Name:" field contains the text "kanmani". The "Complaint:" field contains the text "my system is slow .Please fix it.:". The "Submit Complaint" button remains below the fields. The browser's address bar and bookmark bar are identical to the previous screenshot.

Complaint Register Form

Employee Name:

Complaint:



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