Create a folder called "Experiment 7" on the desktop.

Open the Experiment 7 folder in VS code.

Open New terminal in VS code.

Check if node is is installed or not using "node -v" and "npm -v" commands.

Enter the following commands in the terminal-:

Creating "my-app" folder-:

#### npx create-react-app my-app

Get inside the my-app folder-:

## cd my-app

In my-app  $\rightarrow$  src  $\rightarrow$  **App.js**:

Paste the following code-:

```
import React, { useState, useEffect } from 'react';
import './App.css'; // Import the CSS file

const App = () => {
    // States for handling form input and submitted data
    const [name, setName] = useState('');
    const [email, setEmail] = useState('');
    const [submittedData, setSubmittedData] = useState(null);

// useEffect hook to log when the component mounts
    useEffect(() => {
        console.log('App component mounted.');
}
```

```
}, []);
const handleSubmit = (e) => {
 e.preventDefault(); // Prevents page reload on form submission
 setSubmittedData({ name, email });
   display: 'flex',
   alignItems: 'center',
   padding: '20px',
  form: {
   display: 'flex',
   gap: '10px',
   marginBottom: '20px',
```

```
input: {
 padding: '8px',
 padding: '10px 20px',
greetingButton: {
marginTop: '20px',
<div style={inlineStyles.container}>
 <h1>React Form with Hooks</h1>
```

```
<form style={inlineStyles.form} onSubmit={handleSubmit}>
   type="text"
   placeholder="Enter your name"
   onChange={ (e) => setName(e.target.value) }
   style={inlineStyles.input}
   type="email"
   placeholder="Enter your email"
   value={email}
    onChange={ (e) => setEmail(e.target.value) }
   style={inlineStyles.input}
  <button type="submit" style={inlineStyles.button}>Submit
 <div className="submitted-data">
```

```
<h3>Submitted Data:</h3>
        Email: {submittedData.email}
       onClick={() => alert(`Hello, ${name || 'Guest'}!`)}
      style={{ ...inlineStyles.button, ...inlineStyles.greetingButton }}
       Greet Me
export default App;
```

# In my-app $\rightarrow$ src $\rightarrow$ **App.css**:

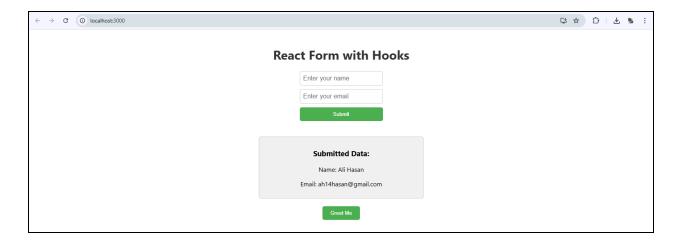
```
.submitted-data {
  background-color: #f4f4f4;
  padding: 10px;
```

```
border-radius: 5px;
 border: 1px solid #ccc;
 margin-top: 20px;
 width: 80%;
 max-width: 400px;
 text-align: center;
h1 {
 text-align: center;
```

In the terminal, inside the project directory (my-app), run the following command to start the development server:

## npm start

This will open a browser window showing your application. If it doesn't open automatically, navigate to <a href="http://localhost:3000">http://localhost:3000</a>.



### What Should You See?

- The title: "React Form with Hooks".
- Two input fields: one for entering a name and another for entering an email.
- A submit button: Clicking this will store the data and display it below the form.
- A greet me button: Clicking this will show an alert with the entered name (or "Guest" if no name is provided).

If you submit the form, the submitted data will appear below the form with the name and email you entered.

#### Common Issues:

- No data displayed after form submission: Ensure that the handleSubmit function correctly sets the state (setSubmittedData) with the correct data and that submittedData is properly rendered.
- **CSS not applying**: Make sure you have imported the CSS file correctly (import './App.css'; in App.js).
- Inputs not resetting after form submission: Make sure setName('') and setEmail('') are called after the form is submitted to reset the form fields.