**WEEK-7-ReactJS-HOL 16**

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## **Objectives**

* **Explain React Forms validation**

React Forms validation ensures user input meets specific criteria before submission (e.g., minimum length, valid format). It is typically handled using JavaScript and state.

* **Identify the differences between React Form and HTML Form**

HTML forms use default browser behavior, while React Forms are fully controlled using component state and event handlers for dynamic validation and data control.

* **Explain about controlled components**

Controlled components are form inputs whose values are controlled by React state. They update in real-time using the onChange event and useState.

* **Identify various React Form input controls**

React supports textbox, email, password, textarea, checkbox, radio button, select dropdown, and button inputs — all managed using state and event handling.

* **Explain how to handle React Forms**

Forms are handled using onChange to update state and onSubmit to trigger validation or processing. React provides full control over form behavior through JavaScript.

* **Explain about submitting forms in React**

Submission is done via onSubmit, often preventing default behavior using e.preventDefault(), validating fields, and then processing or sending the data.

16.Create a React App named “mailregisterapp” which will have a component named “register.js”. Create a form which accepts the name, email and password and validate the fields as per the following:

1. Name should have atleast 5 characters
2. Email should have @ and .
3. Password should have atleast 8 characters.

Ensure that validations are implemented through eventhandle and eventsubmit of a form.

**App.js**

import React from 'react';

import Register from './register';

function App() {

  return (

    <div>

      <Register />

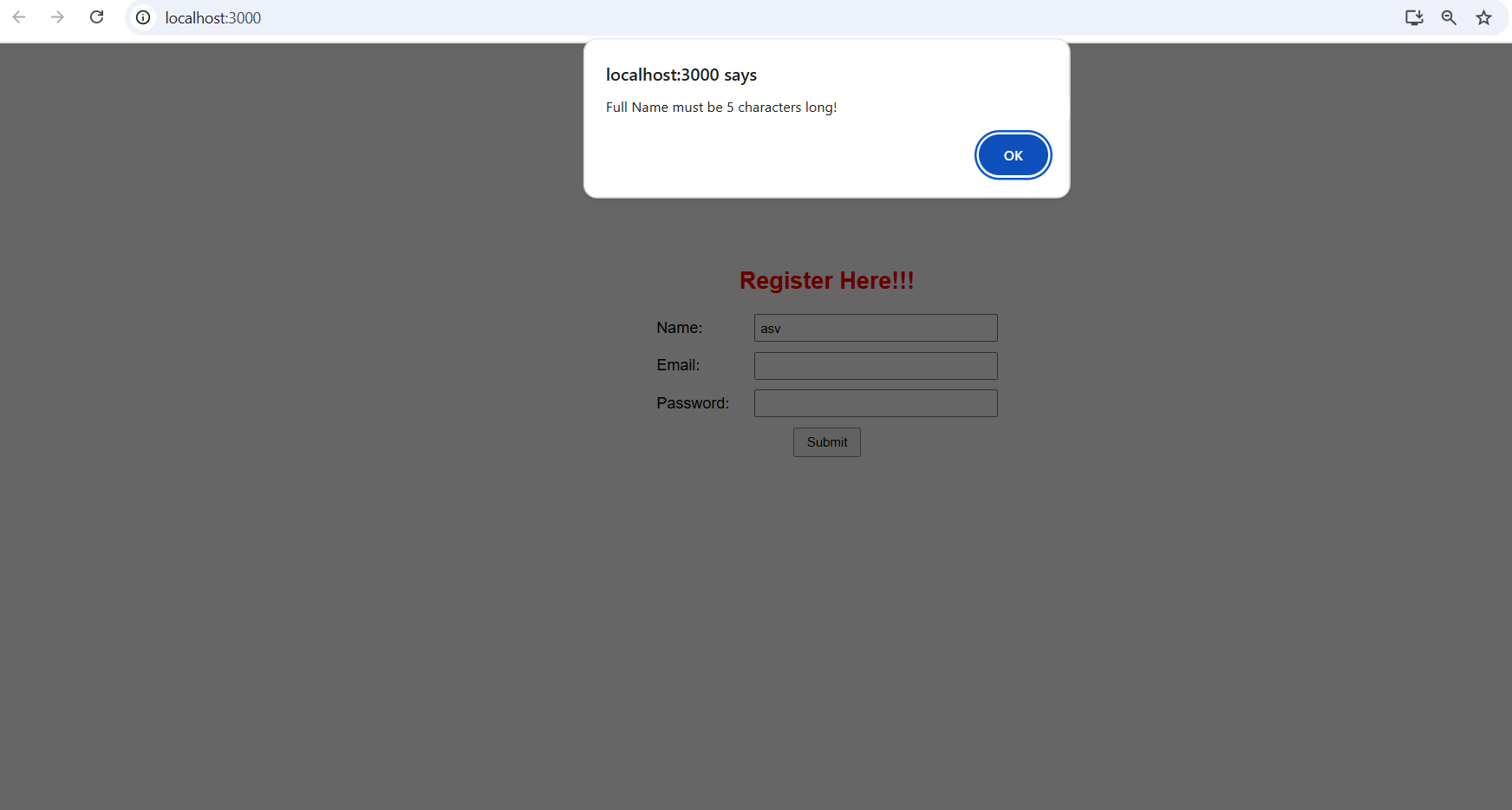
    </div>

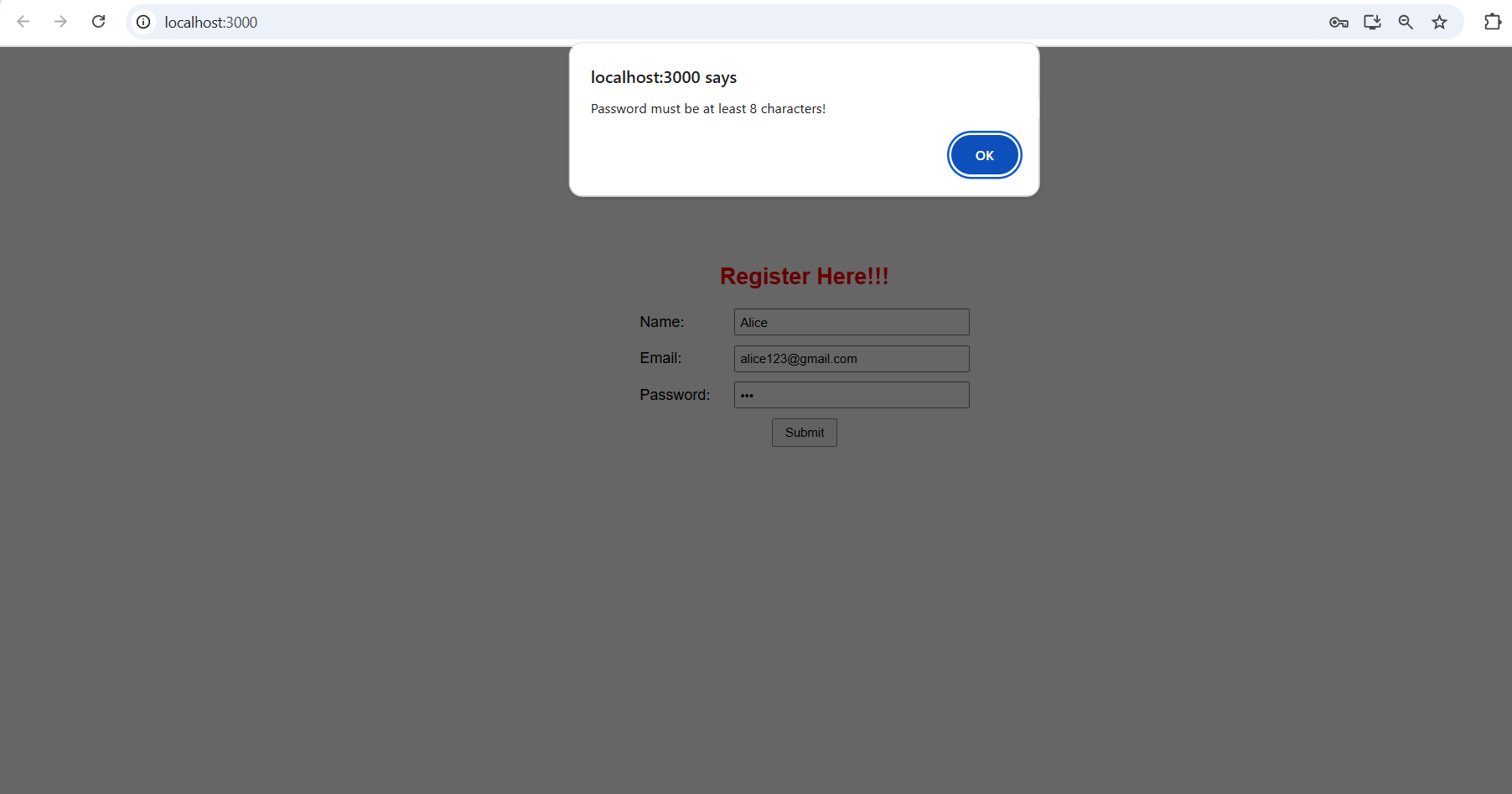
  );

}

export default App;

**OUTPUT**

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