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# FULL STACK DEVELOPMENT

Question 3) Write a react application for Validating an input while it's receiving characters is another great application for use Effect. While the input is being stored in a state using useState, the validation takes place every time the input changes, giving immediate feedback to the user

CODE:

import React, { useState, useEffect } from 'react'; i

mport './App.css'; function App() { const [emailInput, setEmailInput] = useState('');

 const [validEmail, setValidEmail] = useState(true);

const [feedbackMessage, setFeedbackMessage] = useState('');

const validateEmail = (email) => { const regex = /^[^\s@]+@[^\s@]+\.[^\s@]+$/;

if (regex.test(email)) { setValidEmail(true);

setFeedbackMessage('');

} else { setValidEmail(false);

setFeedbackMessage('Please provide a valid email address.');

} }; useEffect(() => { validateEmail(emailInput);

 }, [emailInput]); const handleInputChange = (e) => { setEmailInput(e.target.value); };

return (

**Email Validation**

Enter email:

{!validEmail &&

{feedbackMessage}

}

); } export default App;

OUTPUT:

# Email Validation

Enter email:   pruthvirajpruthvi4257gmail.c

Please provide a valid email address.

# Email Validation

Enter email:   pruthvirajpruthvi4257@gmai