3.1 Create a form with the following fields: o Full Name o Email Address o Password • Use useState to manage

App.js

import React from 'react';

import ControlledForm from './ControlledForm';

function App() {

  return (

    <div>

      <h1>React Controlled Form Example</h1>

      <ControlledForm />

    </div>

  );

}

export default App;

\src\ControlledForm.js

import React, { useState } from 'react';

export default function ControlledForm() {

  const [form, setForm] = useState({ fullName: '', email: '', password: '' });

  const [errors, setErrors] = useState({});

  const [success, setSuccess] = useState('');

  const validate = () => {

    const errs = {};

    if (!form.fullName.trim()) errs.fullName = 'Full Name required';

    if (!form.email.includes('@') || !form.email.includes('.')) errs.email = 'Invalid email';

    if (!form.password.trim()) errs.password = 'Password required';

    return errs;

  };

  const handleChange = e => setForm({ ...form, [e.target.name]: e.target.value });

  const handleSubmit = e => {

    e.preventDefault();

    const errs = validate();

    setErrors(errs);

    if (Object.keys(errs).length === 0) setSuccess(`Success! Hello, ${form.fullName}`);

    else setSuccess('');

  };

  return (

    <form onSubmit={handleSubmit}>

      <input name="fullName" placeholder="Full Name" value={form.fullName} onChange={handleChange} />

      <div style={{ color: 'red' }}>{errors.fullName}</div>

      <input name="email" placeholder="Email" value={form.email} onChange={handleChange} />

      <div style={{ color: 'red' }}>{errors.email}</div>

      <input name="password" placeholder="Password" type="password" value={form.password} onChange={handleChange} />

      <div style={{ color: 'red' }}>{errors.password}</div>

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

      {success && <p style={{ color: 'green' }}>{success}</p>}

    </form>

  );

}

3.2 Create feedback form

App.js

import React from 'react';

import FeedbackForm from './FeedbackForm';

export default function App() {

  return (

    <div>

      <h2>Feedback Form</h2>

      <FeedbackForm />

    </div>

  );

}

src\FeedbackForm.js

import React, { useState } from 'react';

export default function FeedbackForm() {

  const [form, setForm] = useState({ name: '', feedback: '' });

  const [errors, setErrors] = useState({});

  const [submitted, setSubmitted] = useState(false);

  const handleChange = e => {

    setForm({ ...form, [e.target.name]: e.target.value });

    setSubmitted(false);

  };

  const handleSubmit = e => {

    e.preventDefault();

    let errs = {};

    if (!form.name.trim()) errs.name = 'Name is required';

    const len = form.feedback.length;

    if (len < 20 || len > 200) errs.feedback = 'Feedback must be 20-200 characters';

    setErrors(errs);

    if (Object.keys(errs).length === 0) setSubmitted(true);

  };

  return (

    <form onSubmit={handleSubmit}>

      <input name="name" placeholder="Your Name" value={form.name} onChange={handleChange} />

      <div style={{ color: 'red' }}>{errors.name}</div>

      <textarea

        name="feedback"

        placeholder="Your Feedback"

        value={form.feedback}

        onChange={handleChange}

      />

      <div>{form.feedback.length}/200</div>

      <div style={{ color: 'red' }}>{errors.feedback}</div>

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

      {submitted && <p style={{ color: 'green' }}>Thank you for your feedback, {form.name}!</p>}

    </form>

  );

}