Exercise 14

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Code:

App.jsx

// 1. Component to display images from different folders

import React from 'react';

// Import image from src folder

    import srcImage from './Images/image1.png'; // Update the path as needed

    import srci from './Images/image.png'

function ImageDisplay() {

  return (

    <div>

      <h2>Image Display Component</h2>

      {/\* a) Image from public folder \*/}

      <div>

        <h3>Image from public/Images folder:</h3>

        <img

          src={srci}

          alt="Example from public folder"

          style={{ width: '300px', height: 'auto', marginBottom: '20px' }}

        />

      </div>

      {/\* b) Image from src folder \*/}

      <div>

        <h3>Image from src/Images folder:</h3>

        <img

          src={srcImage}

          alt="Example from src folder"

          style={{ width: '300px', height: 'auto' }}

        />

      </div>

    </div>

  );

}

// 2. Login Form Component based on the provided image

function LoginForm() {

  return (

    <div style={{ fontFamily: 'serif', maxWidth: '400px', margin: '20px' }}>

      <h2 style={{ textAlign: 'center' }}>Novell Services Login</h2>

      <div style={{ display: 'flex', marginBottom: '10px' }}>

        <label style={{ width: '100px' }}>Username:</label>

        <input type="text" style={{ flex: 1 }} />

      </div>

      <div style={{ display: 'flex', marginBottom: '10px' }}>

        <label style={{ width: '100px' }}>Password:</label>

        <input type="password" style={{ flex: 1 }} />

      </div>

      <div style={{ display: 'flex', marginBottom: '10px' }}>

        <label style={{ width: '100px' }}>City of Employment:</label>

        <input type="text" style={{ flex: 1 }} />

      </div>

      <div style={{ display: 'flex', marginBottom: '20px' }}>

        <label style={{ width: '100px' }}>Web server:</label>

        <select style={{ flex: 1 }}>

          <option>-- Choose a server --</option>

          <option>Server 1</option>

          <option>Server 2</option>

          <option>Server 3</option>

        </select>

      </div>

      <div style={{ marginBottom: '20px' }}>

        <p>Please specify your role:</p>

        <div>

          <input type="radio" id="admin" name="role" />

          <label htmlFor="admin" style={{ marginLeft: '5px' }}>Admin</label>

        </div>

        <div>

          <input type="radio" id="engineer" name="role" />

          <label htmlFor="engineer" style={{ marginLeft: '5px' }}>Engineer</label>

        </div>

        <div>

          <input type="radio" id="manager" name="role" />

          <label htmlFor="manager" style={{ marginLeft: '5px' }}>Manager</label>

        </div>

        <div>

          <input type="radio" id="guest" name="role" />

          <label htmlFor="guest" style={{ marginLeft: '5px' }}>Guest</label>

        </div>

      </div>

      <div style={{ marginBottom: '20px' }}>

        <p>Single Sign-on to the following:</p>

        <div>

          <input type="checkbox" id="mail" />

          <label htmlFor="mail" style={{ marginLeft: '5px' }}>Mail</label>

        </div>

        <div>

          <input type="checkbox" id="payroll" />

          <label htmlFor="payroll" style={{ marginLeft: '5px' }}>Payroll</label>

        </div>

        <div>

          <input type="checkbox" id="self-service" />

          <label htmlFor="self-service" style={{ marginLeft: '5px' }}>Self-service</label>

        </div>

      </div>

      <div>

        <button style={{ marginRight: '10px' }}>Login</button>

        <button>Reset</button>

      </div>

    </div>

  );

}

// 3. User Profile Components

// i) ProfileImage.js

function ProfileImage({ imageSrc, altText }) {

  return (

    <div className="profile-image-container">

      <img

        src={imageSrc || "https://wallpaperaccess.com/full/2749420.jpg"}

        alt={altText || "User profile"}

        style={{

          width: '150px',

          height: '150px',

          borderRadius: '50%',

          objectFit: 'cover',

          border: '3px solid #3498db'

        }}

      />

    </div>

  );

}

// ii) UserInfo.js

function UserInfo({ name, email, bio }) {

  return (

    <div className="user-info-container" style={{ marginBottom: '20px' }}>

      <h2 style={{ marginBottom: '5px' }}>{name || "User Name"}</h2>

      <p style={{ color: '#666', marginBottom: '10px' }}>{email || "user@example.com"}</p>

      <div className="bio-container" style={{

        backgroundColor: '#f8f9fa',

        padding: '15px',

        borderRadius: '8px',

        marginTop: '10px'

      }}>

        <h3 style={{ fontSize: '16px', marginBottom: '5px' }}>Bio</h3>

        <p>{bio || "No bio available"}</p>

      </div>

    </div>

  );

}

// iii) UserPosts.js

function UserPosts({ posts }) {

  const defaultPosts = [

    { id: 1, title: "First Post", content: "This is my first post content", date: "2025-03-01" },

    { id: 2, title: "React Journey", content: "Learning React has been amazing", date: "2025-03-05" },

    { id: 3, title: "Web Development", content: "Exploring modern web technologies", date: "2025-03-10" }

  ];

  const postsToRender = posts || defaultPosts;

  return (

    <div className="user-posts-container">

      <h3 style={{ marginBottom: '15px', borderBottom: '2px solid #eaeaea', paddingBottom: '8px' }}>

        Recent Posts

      </h3>

      {postsToRender.length > 0 ? (

        <div className="posts-list">

          {postsToRender.map(post => (

            <div key={post.id} className="post-item" style={{

              marginBottom: '20px',

              padding: '15px',

              backgroundColor: '#fff',

              boxShadow: '0 1px 3px rgba(0,0,0,0.12)',

              borderRadius: '5px'

            }}>

              <h4 style={{ marginBottom: '5px', color: '#333' }}>{post.title}</h4>

              <p style={{ fontSize: '12px', color: '#888', marginBottom: '8px' }}>

                Posted on: {post.date}

              </p>

              <p>{post.content}</p>

            </div>

          ))}

        </div>

      ) : (

        <p>No posts to display</p>

      )}

    </div>

  );

}

// iv) ProfilePage.js

function ProfilePage() {

  // Sample user data - in a real app, this would come from an API or props

  const userData = {

    name: "Vinit Yadav",

    email: "vin@gmail.com",

    bio: "Frontend developer with 5 years of experience in React and modern JavaScript frameworks. Passionate about creating intuitive user experiences and clean code.",

    profileImage: "https://th.bing.com/th/id/OIP.Sdxd3IkDV679CF5SGpZSIwAAAA?rs=1&pid=ImgDetMain",

    posts: [

      { id: 1, title: "Getting Started with React", content: "React makes it painless to create interactive UIs...", date: "2025-03-08" },

      { id: 2, title: "Component Lifecycle", content: "Understanding how components work is essential...", date: "2025-03-10" },

      { id: 3, title: "State Management", content: "There are several ways to manage state in React...", date: "2025-03-13" }

    ]

  };

  return (

    <div className="profile-page-container" style={{

      maxWidth: '800px',

      margin: '0 auto',

      padding: '20px',

      backgroundColor: '#fafafa',

      fontFamily: 'Arial, sans-serif'

    }}>

      <div className="profile-header" style={{

        display: 'flex',

        alignItems: 'center',

        marginBottom: '30px',

        gap: '30px'

      }}>

        <ProfileImage imageSrc={userData.profileImage} altText={`${userData.name}'s profile`} />

        <UserInfo name={userData.name} email={userData.email} bio={userData.bio} />

      </div>

      <UserPosts posts={userData.posts} />

    </div>

  );

}

// v) index.js

// This would be in a separate file, but showing here for reference

/\*

import React from 'react';

import ReactDOM from 'react-dom/client';

import ProfilePage from './components/ProfilePage';

import './index.css';

const root = ReactDOM.createRoot(document.getElementById('root'));

root.render(

  <React.StrictMode>

    <ProfilePage />

  </React.StrictMode>

);

\*/

// Export the components - this is only needed for demonstrating all components in one file

// In a real app, each component would be in its own file with its own export

export { ImageDisplay, LoginForm, ProfileImage, UserInfo, UserPosts, ProfilePage };

// App component that can showcase all components

function App() {

  return (

    <div style={{ padding: '20px' }}>

      <h1>React Components Assignment</h1>

      <section style={{ marginBottom: '40px' }}>

        <h2>1. Image Display Component</h2>

        <ImageDisplay />

      </section>

      <section style={{ marginBottom: '40px' }}>

        <h2>2. Login Form Component</h2>

        <LoginForm />

      </section>

      <section>

        <h2>3. User Profile Components</h2>

        <ProfilePage />

      </section>

    </div>

  );

}

export default App;

Output:



