

Experiment 14

React JS Exercises

Code:

JSX COMPONENTS:

1) Component.JSX

```
import React, { useState } from "react";
import "./styles.css";

export const HelloJSX = () => <h1 className="heading">Hello, React!</h1>;

const message = "Welcome to React!";
export const MessageComponent = () => <h1
className="heading">{message}</h1>;

export const PublicImage = () => (
  
);
export const SrcImage = () => (
  
);

export const SimpleForm = () => (
  <div className="container">
    <h2>Novell Services Login</h2>
```

```
<form className="form">
  <label>
    Username: <input type="text" name="username" />
  </label>
  <label>
    Password: <input type="password" name="password" />
  </label>
  <label>
    City of Employment: <input type="text" name="city" />
  </label>
  <label>
    Web Server: {" "}
    <select>
      <option>Choose a server</option>
    </select>
  </label>
  <fieldset>
    <legend>Please specify your role:</legend>
    <label>
      <input type="radio" name="role" value="admin" /> Admin
    </label>
    <label>
      <input type="radio" name="role" value="engineer" /> Engineer
    </label>
    <label>
      <input type="radio" name="role" value="manager" /> Manager
    </label>
    <label>
      <input type="radio" name="role" value="guest" /> Guest
    </label>
  </fieldset>
  <fieldset>
    <legend>Single Sign-on to the following:</legend>
    <label>
      <input type="checkbox" name="sso" value="mail" /> Mail
    </label>
    <label>
      <input type="checkbox" name="sso" value="payroll" /> Payroll
    </label>
    <label>
```

```
      <input type="checkbox" name="sso" value="self-service" /> Self-service
    </label>
  </fieldset>
  <div className="button-group">
    <button type="submit">Login</button>
    <button type="reset">Reset</button>
  </div>
</form>
</div>
);

export const ProfileImage = () => (
  
);

export const UserInfo = ({ name, email, bio }) => (
  <div className="user-info">
    <h2>{name}</h2>
    <p>Email: {email}</p>
    <p>Bio: {bio}</p>
  </div>
);

export const UserPosts = ({ posts }) => (
  <div className="user-posts">
    <h3>User Posts</h3>
    <ul>
      {posts.map((post, index) => (
        <li key={index}>{post}</li>
      ))}
    </ul>
  </div>
);

export const ProfilePage = () => {
  const user = {
    name: "John Doe",
    email: "john@example.com",
```

```
    bio: "React Developer",
  };
  const posts = ["Post 1", "Post 2", "Post 3"];
  return (
    <div className="profile-page">
      <ProfileImage />
      <UserInfo {...user} />
      <UserPosts posts={posts} />
    </div>
  );
};

export const Index = () => {
  const [showForm, setShowForm] = useState(true);
  return (
    <div className="app-container">
      <button className="toggle-button" onClick={() => setShowForm(!showForm)}>
        {showForm ? "Go to Profile" : "Go to Form"}
      </button>
      {showForm ? <SimpleForm /> : <ProfilePage />}
    </div>
  );
};
```

2) App.JSX

```
import React from "react";
import { Index } from "../Components";

function App() {
  return (
    <div>
      <Index />
    </div>
  );
}

export default App;
```

CSS STYLING:

```
body {  
  font-family: Arial, sans-serif;  
  margin: 0;  
  padding: 20px;  
  background-color: #f4f4f4;  
  display: flex;  
  justify-content: center;  
  align-items: center;  
  height: 100vh;  
}  
  
.app-container {  
  text-align: center;  
  width: 100%;  
  max-width: 400px;  
  background: white;  
  padding: 20px;  
  border-radius: 10px;  
  box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);  
}  
  
.toggle-button {  
  width: 100%;  
  padding: 10px;  
  margin-bottom: 20px;  
  background: #007bff;  
  color: white;  
  border: none;  
  border-radius: 5px;  
  cursor: pointer;  
}  
  
.toggle-button:hover {  
  background: #0056b3;  
}  
  
.container {
```

```
text-align: left;  
}
```

```
.form {  
  display: flex;  
  flex-direction: column;  
  gap: 10px;  
}
```

```
.form label {  
  font-weight: bold;  
}
```

```
.form input,  
.form select {  
  width: 100%;  
  padding: 8px;  
  margin-top: 5px;  
  border: 1px solid #ccc;  
  border-radius: 5px;  
}
```

```
.button-group {  
  display: flex;  
  justify-content: space-between;  
  margin-top: 15px;  
}
```

```
button {  
  padding: 10px;  
  border: none;  
  border-radius: 5px;  
  cursor: pointer;  
}
```

```
button[type="submit"] {  
  background: green;  
  color: white;  
}
```

```
button[type="reset"] {  
  background: red;  
  color: white;  
}  
  
.profile-page {  
  text-align: center;  
}  
  
.profile-image {  
  width: 100px;  
  height: 100px;  
  border-radius: 50%;  
  margin-bottom: 10px;  
}  
  
.user-info {  
  background: #f9f9f9;  
  padding: 10px;  
  border-radius: 5px;  
}  
  
.user-posts {  
  background: #f1f1f1;  
  padding: 10px;  
  border-radius: 5px;  
}  
  
.user-posts ul {  
  list-style: none;  
  padding: 0;  
}  
  
.user-posts li {  
  background: white;  
  padding: 8px;  
  margin-top: 5px;  
  border-radius: 5px;  
  box-shadow: 0 0 5px rgba(0, 0, 0, 0.1);  
}
```

Output:

Go to Profile

Novell Services Login

Username:

Password:

City of Employment:

Web Server:

Choose a server

Please specify your role:

Admin

Engineer

Manager

Guest

Single Sign-on to the following:

Mail


Payroll

Self-service

Login

Reset

Go to Form



John Doe

Email: john@example.com
Bio: React Developer

User Posts

Post 1

Post 2

Post 3