**ReactJS Hands-On Lab Report: Fetching User from REST API**

**Objectives**

* Explain how to consume REST APIs from React applications

**In this hands-on lab, you will learn how to:**

* Construct a React application that invokes a REST API and fetches data

**Prerequisites**

* Node.js
* NPM
* Visual Studio Code

**Step-by-Step Instructions**

**1. Create the React App**

npx create-react-app fetchuserapp

cd fetchuserapp

code .

**2. Clean the Project**

Delete the following files inside the src/ folder:

* App.test.js
* logo.svg
* reportWebVitals.js
* setupTests.js

**3. Modify App.js**

import React from 'react';

import Getuser from './Getuser';

function App() {

return (

<div className="App">

<h1>Fetch Random User</h1>

<Getuser />

</div>

);

}

export default App;

**4. Create Getuser.js Component**

Create src/Getuser.js and paste this code:

import React, { Component } from 'react';

class Getuser extends Component {

constructor() {

super();

this.state = {

user: null

};

}

async componentDidMount() {

try {

const response = await fetch('https://api.randomuser.me/');

const data = await response.json();

this.setState({ user: data.results[0] });

} catch (error) {

console.error('Error fetching user:', error);

}

}

render() {

const { user } = this.state;

if (!user) {

return <p>Loading user...</p>;

}

return (

<div>

<h2>{user.name.title} {user.name.first}</h2>

<img src={user.picture.large} alt="User" />

</div>

);

}

}

export default Getuser;

**5. Run the App**

npm start





