

# 17.fetchuserapp

## 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 the REST API and fetch data from the API

## Prerequisites

The following is required to complete this hands-on lab:

- Node.js
- NPM
- Visual Studio Code

## Notes

Estimated time to complete this lab: 60 minutes.

Create a React Application “fetchuserapp” which will retrieve the user details from <https://api.randomuser.me/> and display the title, firstname and image of a user.

Create a component named “Getuser” and in the asynchronous method “ComponentDidMount ()” invoke the URL using fetch method and the response can be displayed in the render method of the component.

## **CODE:**

### **App.js**

```
import React from 'react';
import Getuser from './components/Getuser';

function App() {
  return (
    <div className="App">
      <Getuser />
    </div>
  );
}

export default App;
```

### **Getuser.js**

```
import React, { Component } from 'react';

class Getuser extends Component {
  constructor() {
    super();
    this.state = {
      user: null,
      loading: true
    };
  }
```

```
}
```

```
async componentDidMount() {  
  try {  
    const response = await fetch('https://api.randomuser.me/');  
    const data = await response.json();  
    this.setState({ user: data.results[0], loading: false });  
  } catch (error) {  
    console.error("Error fetching user data:", error);  
  }  
}
```

```
render() {  
  const { user, loading } = this.state;  
  
  if (loading) {  
    return <p>Loading user data...</p>;  
  }  
  
  return (  
    <div style={{ padding: '20px', fontFamily: 'Arial' }}>  
      <h2>User Details</h2>  
      <p><strong>Title:</strong> {user.name.title}</p>  
      <p><strong>First Name:</strong> {user.name.first}</p>  
      <img src={user.picture.large} alt="User" />
```

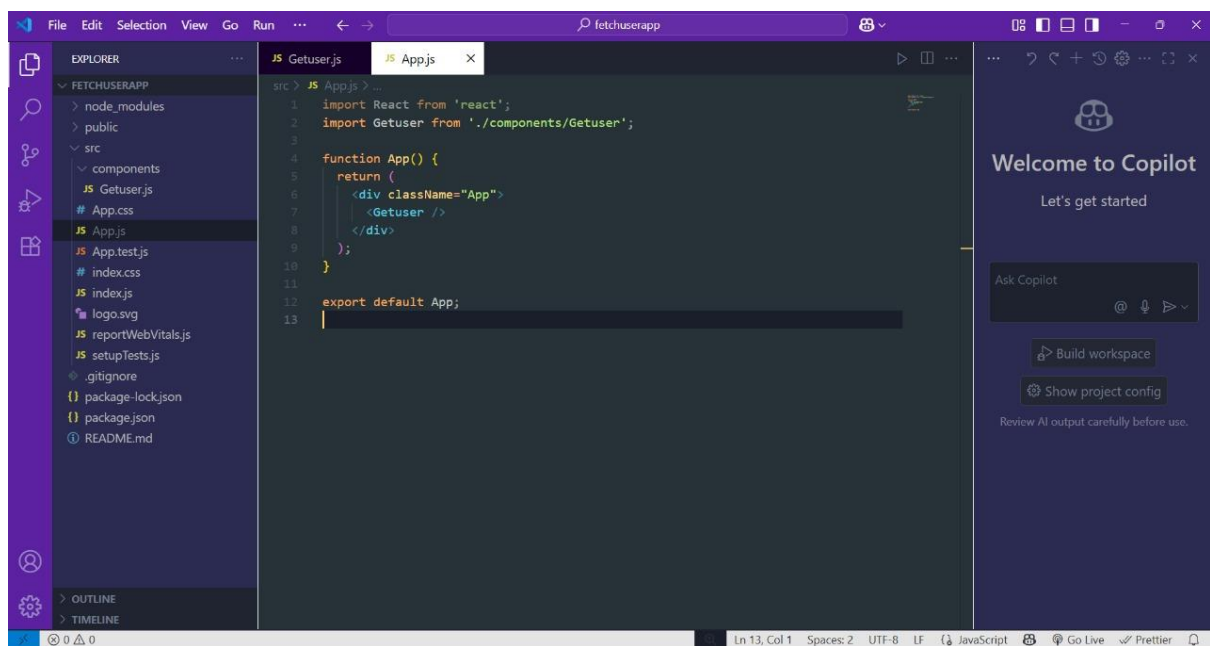
```

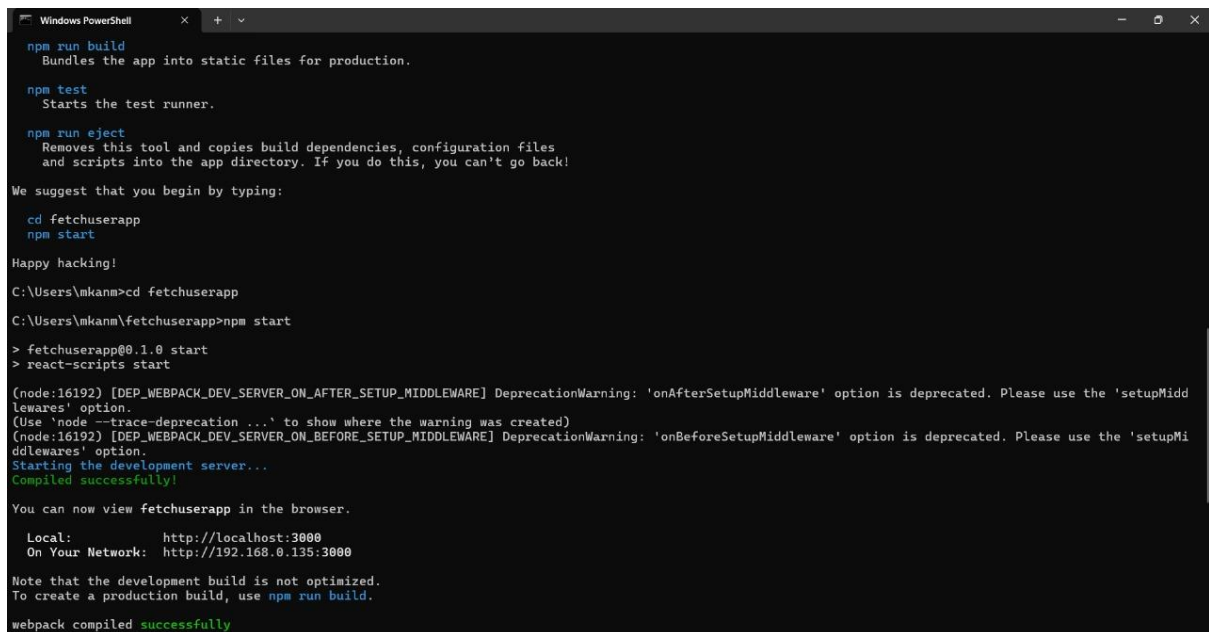
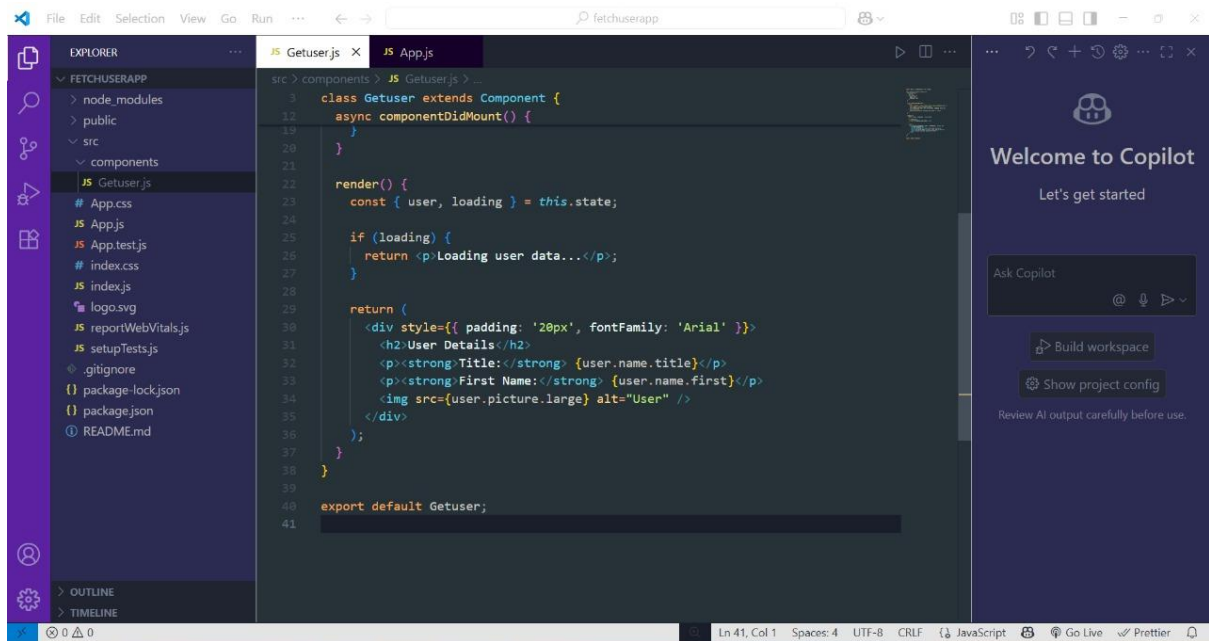
    </div>

  );
}
}

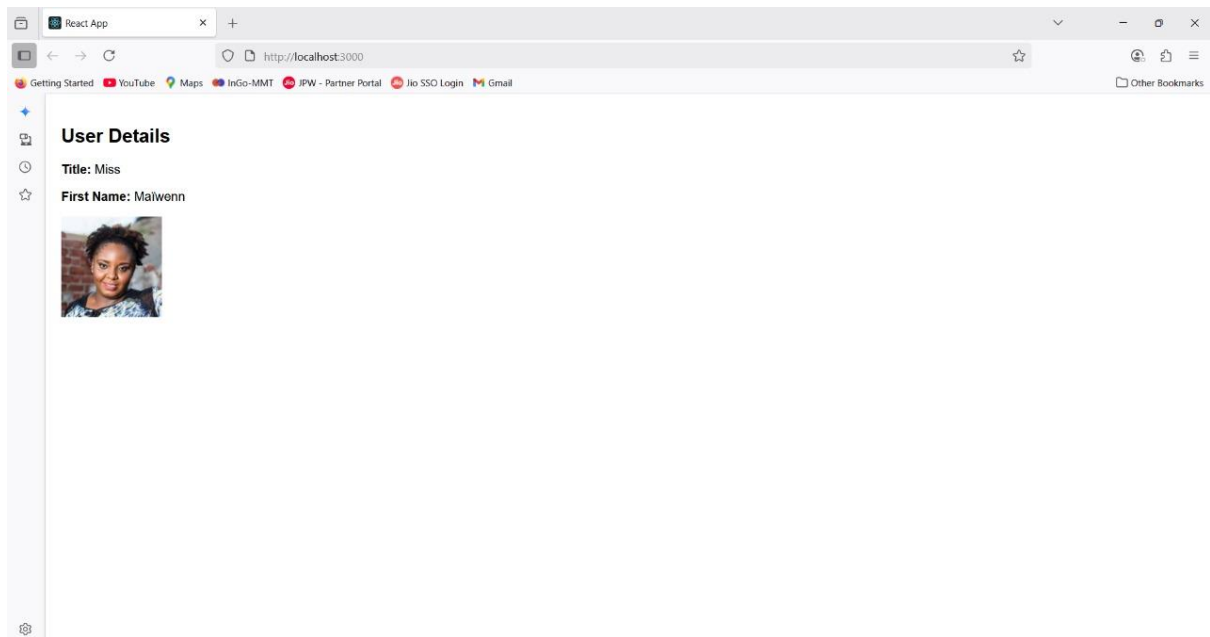
export default Getuser;

```





## Output:



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