

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

Notes

Estimated time to complete this lab: **40 minutes**.

Create a React Application “empapp” which will retrieve the user details from <https://reqres.in/api/users> and display the first_name, last_name, emailid and image of a user.

Step 1: Create a component named “UserList” method and invoke the URL using fetch method and the response can be displayed in the render method of the component.

Step 2: Import the required libraries like useState and useEffect

Step 3: Create a functional Component name UserList and initialize the required variables

```
const UserList=()=>>{
  const[users, setUsers]=useState([]);
  const[isLoading, setLoading]=useState(true);

  useEffect(()=>{
    fetch('https://reqres.in/api/users')
    .then((response)=>response.json())
    .then((data)=>{
      setUsers(data.data);
      setLoading(false);
    })
    .catch((error)=>{
      console.error('Error Fetching data:', error)
      setLoading(false);
    })
  }, []);
  if(isLoading){
    return <p> Loading products.....</p>  }
}
```

Step 4: Return the required details in the table.

```
<tbody>
  {users.map((user)=>(
    <tr key={user.id}>
      <td>{user.first_name}</td>
```




```

        <td>{user.last_name}</td>
        <td>{user.email}</td>
        <td><img src={user.avatar} className="rounded-circle"
width="75"
        height="75"/>
        </td>
    </tr>
  ))
}
</tbody>

```

Expected Output:

USER LIST

First Name	Last Name	Email	Image
George	Bluth	george.bluth@reqres.in	
Janet	Weaver	janet.weaver@reqres.in	
Emma	Wong	emma.wong@reqres.in	
Eve	Holt	eve.holt@reqres.in	