

Call Api in React:-

- 1 Make constructor and make a state
- 2 Call api with fetch function
- 3 Use Map function for make Lising of data

!

Free API reqres.in

The screenshot shows the reqres.in API documentation website. The browser tabs include 'React App bro code', 'Reqres - A hosted REST-A', and 'https://reqres.in/api/use'. The address bar shows 'reqres.in'. The website has a 'Give it a try' button. A list of API endpoints is shown on the left, with the first one, 'GET LIST USERS', highlighted. To the right, a 'Request' box shows the URL '/api/users?page=2' and a 'Response' box shows the status code '200'. Below these, a JSON response is displayed in a code block.

Request

`/api/users?page=2`

Response

200

GET LIST USERS

GET SINGLE USER

GET SINGLE USER NOT FOUND

GET LIST <RESOURCE>

GET SINGLE <RESOURCE>

GET SINGLE <RESOURCE> NOT FOUND

POST CREATE

PUT UPDATE

```
{
  "page": 2,
  "per_page": 6,
  "total": 12,
  "total_pages": 2,
  "data": [
    {
      "id": 7,
      "email": "michael.lawson@reqres.in",
      "first_name": "Michael",
      "last_name": "Lawson",
      "avatar": "https://s3.amazonaws.com/reqres-storage/img/avatar7.jpg"
    },
    {
      "id": 8,
      "email": "lindsay.ferguson@reqres.in",
      "first_name": "Lindsay",
      "last_name": "Ferguson",
      "avatar": "https://s3.amazonaws.com/reqres-storage/img/avatar8.jpg"
    }
  ]
}
```

Create ShowUser.js file call the api

```
• import React from 'react';
• class Showuser extends React.Component
• {
•   constructor()
•   {
•     super();
•     this.state={
•       users:null
•     }
•   }
•   componentDidMount()
•   {
•     fetch('https://reqres.in/api/users').then((resp) => {
•       resp.json().then((res)=>{
•         console.warn(res);
•       })
•     })
•   }
• }
```



```
render(){  
  return(  
    <div>  
      <h1>callapi</h1>  
    </div>  
  )  
}  
  
}  
export default Showuser;
```

Call ShowUser.js in side app.js component

-
- `import './App.css';`
- `import Showuser from './ShowUsers';`
-
- `function App() {`
- `return (`
- `<div className="App">`
- `<Showuser></Showuser>`
- `</div>`
- `);`
- `}`
-
- `export default App;`
-

callapi

Identify your project's root folder to open source files in Visual Studio Code and sync changes.

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Download the React DevTools for a better development experience: <https://reactjs.org/link/react-devtools>

🚨 ▶ [react-dom.development.js:29845](#)
[ShowUsers.js:15](#) 🔍

▼ **Object** 1

▼ **data:** Array(6)

- ▶ 0: {id: 1, email: 'george.bluth@reqres.in', first_name: 'George', last_name: 'Bluth', avatar: 'https://reqres.in/img/faces/71bb03d1a01448ef8f462d277985a54.jpg'
- ▶ 1: {id: 2, email: 'janet.weaver@reqres.in', first_name: 'Janet', last_name: 'Weaver', avatar: 'https://reqres.in/img/faces/263557884c2593013176d1c4100bf93c.jpg'
- ▶ 2: {id: 3, email: 'emma.wong@reqres.in', first_name: 'Emma', last_name: 'Wong', avatar: 'https://reqres.in/img/faces/2999146736f454c1dffa57148524e889.jpg'
- ▶ 3: {id: 4, email: 'eve.holt@reqres.in', first_name: 'Eve', last_name: 'Holt', avatar: 'https://reqres.in/img/faces/2999146736f454c1dffa57148524e889.jpg'
- ▶ 4: {id: 5, email: 'charles.morris@reqres.in', first_name: 'Charles', last_name: 'Morris', avatar: 'https://reqres.in/img/faces/2999146736f454c1dffa57148524e889.jpg'
- ▶ 5: {id: 6, email: 'tracey.ramos@reqres.in', first_name: 'Tracey', last_name: 'Ramos', avatar: 'https://reqres.in/img/faces/2999146736f454c1dffa57148524e889.jpg'}

length: 6

▶ **[[Prototype]]:** Array(0)

page: 1

per_page: 6

▶ **support:** {url: 'https://reqres.in/#support-heading', text: 'To keep ReqRes free, contributions towards total: 12 total_pages: 2

▶ **[[Prototype]]:** Object

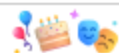
🚨 ▶ [ShowUsers.js:15](#) 🔍

▼ **Object** 1

▼ **data:** Array(6)

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09-07-2022


```
• componentDidMount()  
• {  
•   fetch('https://reqres.in/api/users').then((resp) => {  
•     resp.json().then((res)=>{  
•       //console.warn(res);  
•       this.setState({users:res.data})  
•     })  
•   })  
•  
• }  
• render(){  
•   return(  
•     <div>  
•       <h1>Fetch API Data</h1>  
•       {  
•         this.state.users?this.state.users.map((item,i)=>  
•           <div><p>{i}--{item.first_name}</p></div>  
•         ):null  
•       }  
•     </div>  
•   )  
• }
```

Fetch API Data

0--George

1--Janet

2--Emma

3--Eve

4--Charles

5--Tracey

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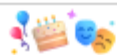
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Object
  data: Array(6)
    0: {id: 1, email: 'george.bluth@reqres.in', first_name: 'George', last_name: 'Bluth', avatar: 'https://reqres.in/avatar/1'}
    1: {id: 2, email: 'janet.weaver@reqres.in', first_name: 'Janet', last_name: 'Weaver', avatar: 'https://reqres.in/avatar/2'}
    2: {id: 3, email: 'emma.wong@reqres.in', first_name: 'Emma', last_name: 'Wong', avatar: 'https://reqres.in/avatar/3'}
    3: {id: 4, email: 'eve.holt@reqres.in', first_name: 'Eve', last_name: 'Holt', avatar: 'https://reqres.in/avatar/4'}
    4: {id: 5, email: 'charles.morris@reqres.in', first_name: 'Charles', last_name: 'Morris', avatar: 'https://reqres.in/avatar/5'}
    5: {id: 6, email: 'tracey.ramos@reqres.in', first_name: 'Tracey', last_name: 'Ramos', avatar: 'https://reqres.in/avatar/6'}
    length: 6
  [[Prototype]]: Array(0)
  page: 1
  per_page: 6
  support: {url: 'https://reqres.in/#support-heading', text: 'To keep ReqRes free, contributions towards total: 12 total_pages: 2'}
  [[Prototype]]: Object
```

```
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    1: {id: 2, email: 'janet.weaver@reqres.in', first_name: 'Janet', last_name: 'Weaver', avatar: 'https://reqres.in/avatar/2'}
    2: {id: 3, email: 'emma.wong@reqres.in', first_name: 'Emma', last_name: 'Wong', avatar: 'https://reqres.in/avatar/3'}
    3: {id: 4, email: 'eve.holt@reqres.in', first_name: 'Eve', last_name: 'Holt', avatar: 'https://reqres.in/avatar/4'}
    4: {id: 5, email: 'charles.morris@reqres.in', first_name: 'Charles', last_name: 'Morris', avatar: 'https://reqres.in/avatar/5'}
    5: {id: 6, email: 'tracey.ramos@reqres.in', first_name: 'Tracey', last_name: 'Ramos', avatar: 'https://reqres.in/avatar/6'}
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```



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