

# Custom hooks

- Custom hooks are essential to organise your components in a cleaner way
- A custom hook should start with **useXXXX**, like **useFetchList** or **useFormatDate**
- They are design to do something like fetching data or returning a value that has been manipulated
- It is a function that returns variables
- They will likely use **useEffect()** and **useState()** inside

# Custom hooks example: call an API

<https://codesandbox.io/s/custom-hooks-9xfuw?file=/src/App.js>

```
JS App.js x JS useGetData.js
1 import './styles.css';
2 import useGetData from './useGetData';
3
4 export default function App() {
5   const { data } = useGetData(
6     "https://my-json-server.typicode.com/artworkjpm/customer-db/db"
7   );
8   console.log(data);
9   return (
10     <div className="App">
11       <h1>Custom Hooks</h1>
12       [data &&
13         data.customers.map((item, index) => {
14           return (
15             <div key={index}>
16               {item.first_name} {item.last_name}
17             </div>
18           );
19         )]}
20     </div>
21   );
22 }
```

```
JS App.js JS useGetData.js x
1 import axios from "axios";
2 import { useEffect, useState } from "react";
3
4 function useGetData(url) {
5   const [data, setData] = useState(null);
6
7   useEffect(() => {
8     axios.get(url).then((res) => {
9       setData(res.data);
10     });
11   }, [url]);
12
13   return { data };
14 }
15
16 export default useGetData;
```