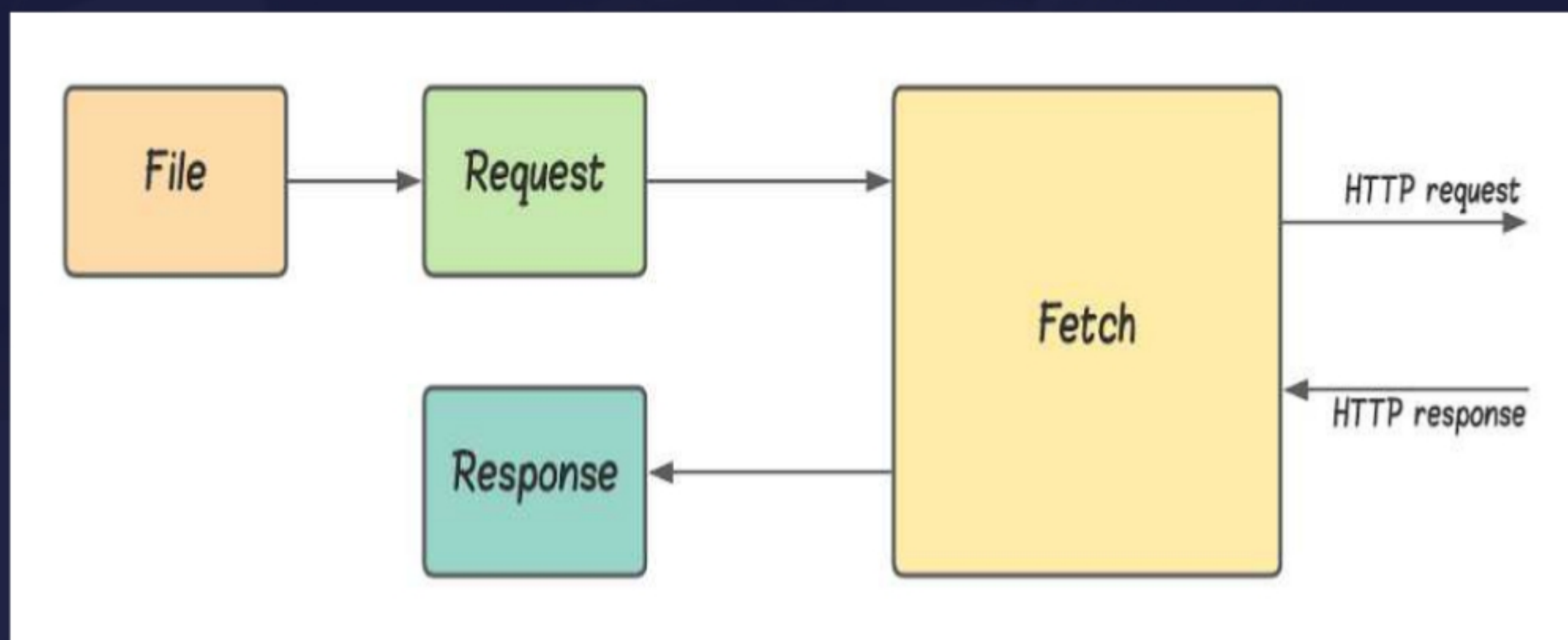




# Different Ways To Fetch Data from API



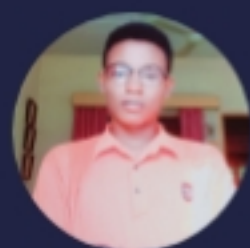
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# fetching data with **Fetch API**

Using **fetch()** method - this method accepts URL to the data. To do this, first create a function **fetchData()**, it will call **fetch()** method with provided URL, then convert the result to Json object

```
import useEffect from 'react'
const fetchData = () => {
  return fetch("https://detwins.me/api")
    .then((response) => response.json())
    .then((data) => console.log())
}
{/* you use useEffect */}
useEffect(() => {
  fetchData();
}, []);
```



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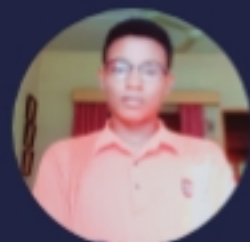




# fetching data with **Async Await Syntax**

Here, you remove `.then()` callback and simply get back our asynchronously resolved data.

```
const URL = 'https://detwins.me/apu';  
async function fetchData() {  
  try {  
    const result = await axios.get(URL);  
    console.log(result.data);  
  } catch (e) {  
    console.log(error);  
  }  
}
```



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# fetching data with **Axios Library**

It's the same with **fetch()** method but the difference is that it already returns result as Json object ,so we don't need to convert it

To use - first install Axios  
**npm install axios**

```
import axios from 'axios';  
const fetchData = () => {  
  return axios.get('https://detwins  
    .me/api')  
    .then((response) => {  
      console.log(response.data);  
    })  
}
```





# fetching data with Custom Hooks

Using the library **React-fetch-Hooks** to extract properties we can use : data, errors for errors handling and isLoading for loading issues

install react fetch hook  
**npm i react-fetch-hook**

```
import useFetch from 'react-fetch-hook';  
... const URL = 'https://detwins.me/api';  
const {data} = useFetch(URL);  
... console.log(data);  
... 
```



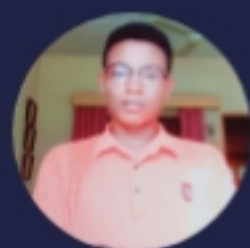
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# Different Ways To fetch Data from API

- 🚀 using **fetch API**
- 🚀 using **Async - await syntax**
- 🚀 using **Axios library**
- 🚀 using **custom react hooks**
- 🚀 using **React query library**
- 🚀 using **GraphQL API**  
and many others



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