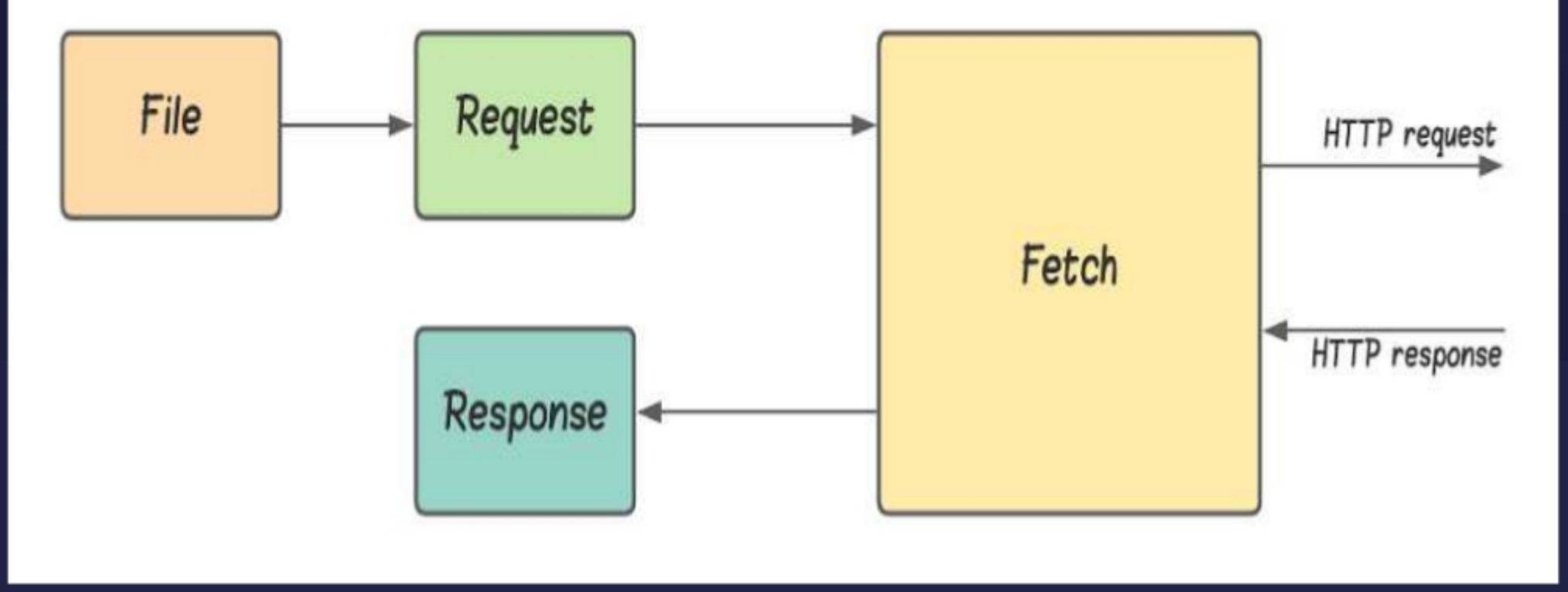
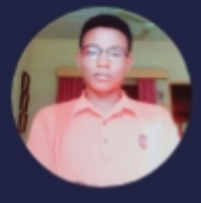
Different Ways To Fetch Data from API





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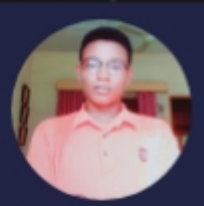
fetching data with Fetch API

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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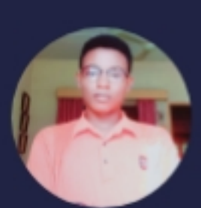
React JS

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));
    }
```

React JS

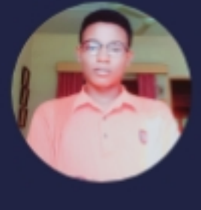
fetching data with Custom Hooks

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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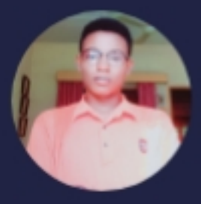
React JS

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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