

JavaScript API Calls Cheat Sheet

@codingtute

XML HTTP Request

- All modern browsers support the XMLHttpRequest object to request data from a server.
- It works on the oldest browsers as well as on new ones.
- It was deprecated in ES6 but is still widely used.

```
var request = new XMLHttpRequest();
request.open('GET',
'https://jsonplaceholder.typicode.com/todos');
request.send();
request.onload = ()=>{

  console.log(JSON.parse(request.response));
}
```

Axios

- It is an open-source library for making HTTP requests.
- It works on both Browsers and Node js
- It can be included in an HTML file by using an external CDN
- It also returns promises like fetch API

```
<script
src="https://cdn.jsdelivr.net/npm/axios/dist/axios.min.js"></script>
```

```
axios.get("https://jsonplaceholder.typicode.com/todos")
.then(response =>{
  console.log(response.data)
})
```

Fetch

- The Fetch API provides an interface for fetching resources (including across the network) in an asynchronous manner.
- It returns a Promise
- It is an object which contains a single value either a Response or an Error that occurred.
- .then() tells the program what to do once Promise is completed.

```
fetch('https://jsonplaceholder.typicode.com/todos')
.then(response =>{
  return response.json();
}).then(data =>{
  console.log(data);
})
```

jQuery AJAX

- It performs asynchronous HTTP requests.
- Uses \$.ajax() method to make the requests.

```
<script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
```

```
$(document).ready(function(){
  $.ajax({
    url:
'https://jsonplaceholder.typicode.com/todos',
    type: "GET",
    success: function(result){
      console.log(result);
    }
  })
})
```

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