

AJAX ----- Asynchronous Javascript for XML

Purpose = To fire HTTP requests from the browser = Asynchronously

	MPA	SPA
	Multi Page Application	Single Page Application
Http Method	GET , POST	ALL Http methods(GET,POST,PUT,DELETE)
How is the request made	From browser URL window OR Form Submit OR <a> tag	Through AJAX
What is returned in response	PAGE	DATA
UX	One page goes and other comes	Page is always SEEN ,data is fetched in the background = SEAMLESS experience
Technology	Html CSS, Vanilla JS JSP , Thymeleaf , ASP , PHP , hbs(express view engines)	HTML CSS ,Vanilla JS , React , Angular

In Client Side Vanilla JS = Make AJAX calls !!!

1. Using simple JS === we use an object of **XMLHttpRequest**

This is an object that can fire AJAX calls to the server

http object has **open**(HTTP method name , HTTP URL)

http **onload** = this is the callback method which will called AFTER the response arrives

http **send** = to send the request to the server

2. Using JQuery =====

Let **obj** = **JSON.parse(str-format-obj)**

str-format-obj = { "num1":12 }

obj = { num1 : 12 }

I can now say **obj.num1** . But I cannot say **str-format-obj.num1**

let str-format-obj = **JSON.stringify(obj)**

Relative URL = usually used in MPA

use it only when the IP and port number of the current html and the requested url is
SAME

\$.get("message") // the browser is assuming that the message is going to same IP ,PORT as current

HTML

Absolute URL = \$.get("http://localhost:5000/message")
