AJAX

LEARN AJAX IN 5 MINUTES

★ *Super Helpful..*

AJAX Intro

Example

Key & Values

JSON.parse()

JSON.stringify()

JSON Values

Recap

Learn all in one place →

Asynchronous

Javascript

XML

AND
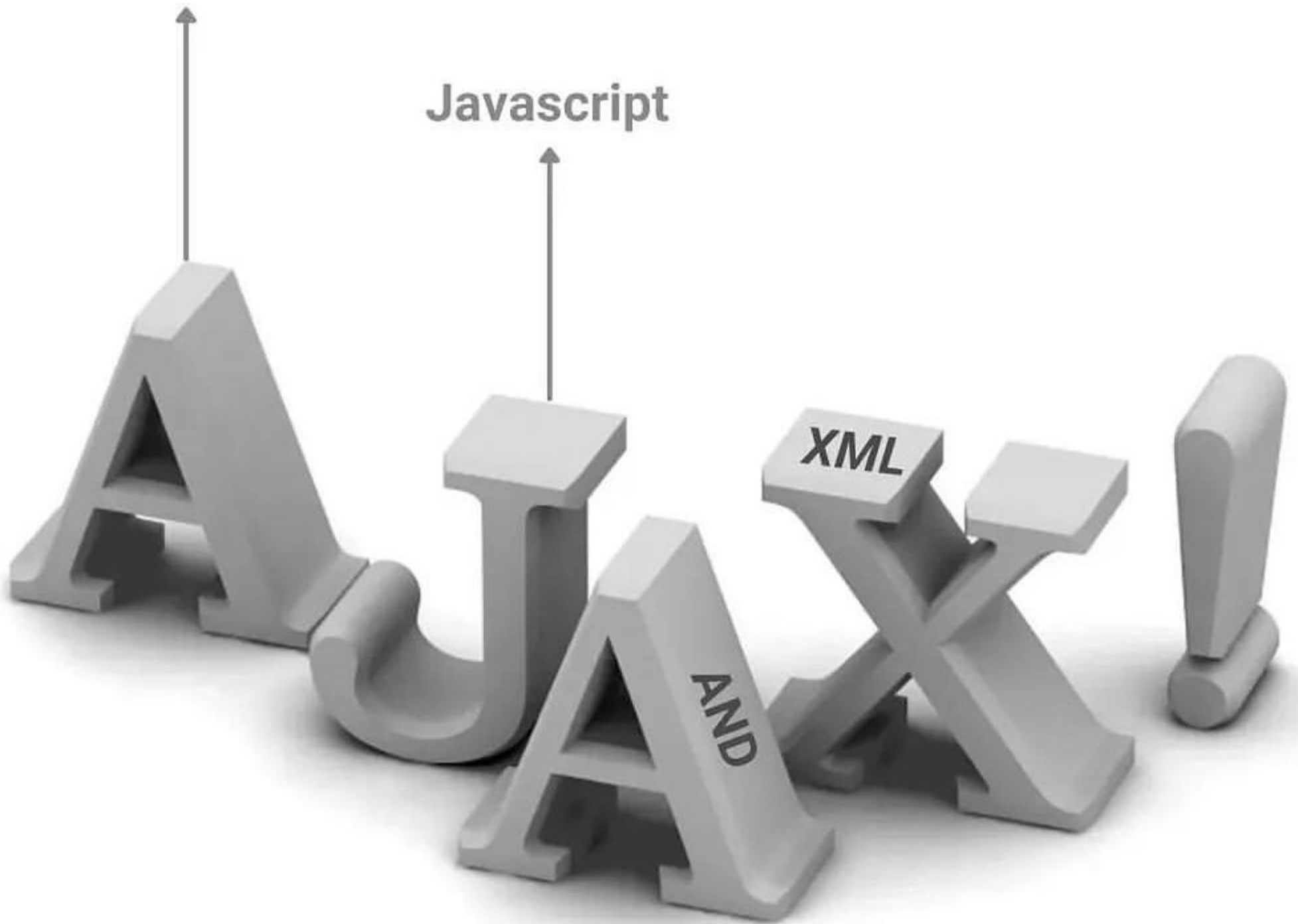
What is *Ajax?*

AJAX $\neq$ PROGRAMMING LANGUAGE

- **AJAX** is not a programming language or a tool,

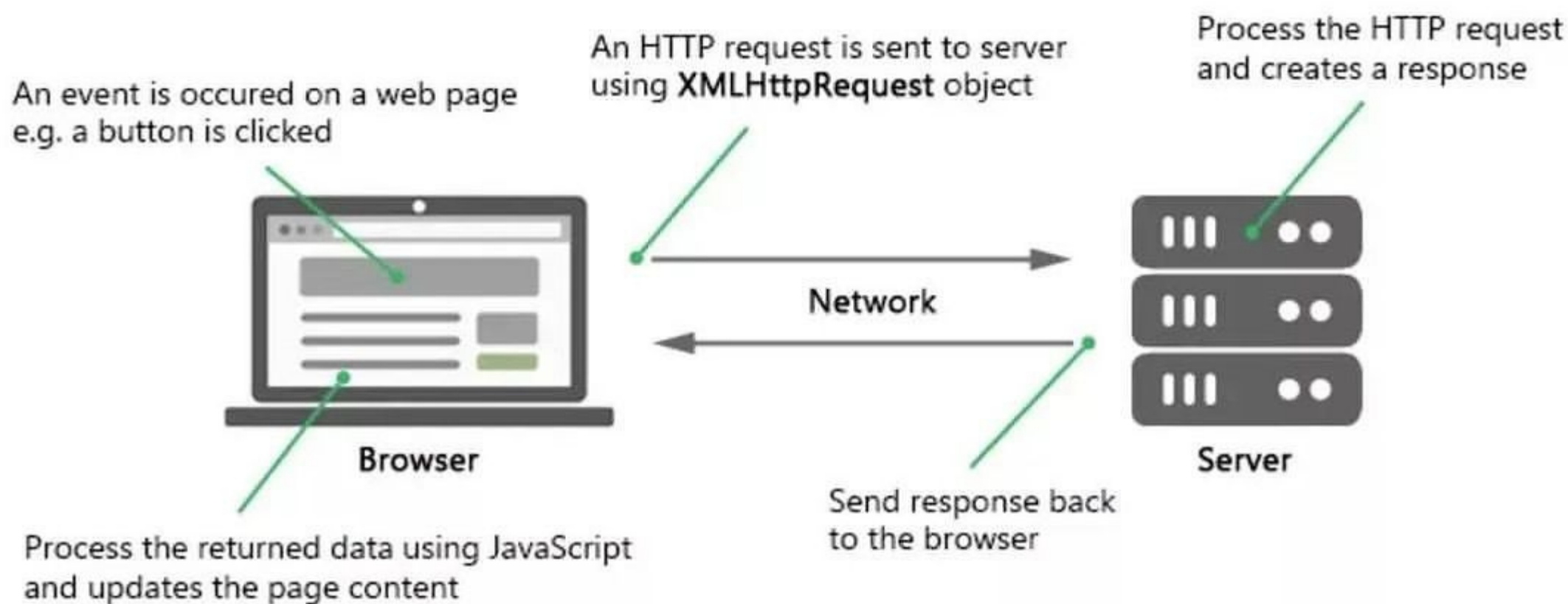- *Instead, it is just a concept.*

Then, what is it actually?
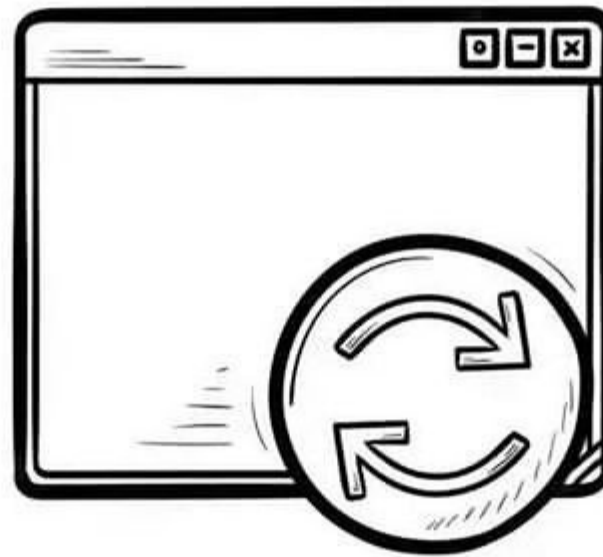
→

WHAT IS AJAX ?

AJAX is a set of web development techniques which allow web apps to work **asynchronously** – processing any requests to the server in the background.

An event is occured on a web page e.g. a button is clicked

An HTTP request is sent to server using **XMLHttpRequest** object

Process the HTTP request and creates a response

Network

Browser

Server

Process the returned data using JavaScript and updates the page content

Send response back to the browser

Let's understand in simple english →

Using **AJAX** in a web app, you can send & retrieve data **without reloading** the page.

A Practical Example to this

USE CASE OF AJAX

> The best wordpress 🎤
>
> { the best wordpress **themes 2018**
> the best wordpress **themes**
> the best wordpress **websites**
> the best wordpress **page builder**
> the best wordpress **plugins**
> the best wordpress **hosting**

The **Google Autocomplete feature.** It helps you complete your keywords while you are typing them. The *keywords change in real time* yet the page remains the same.
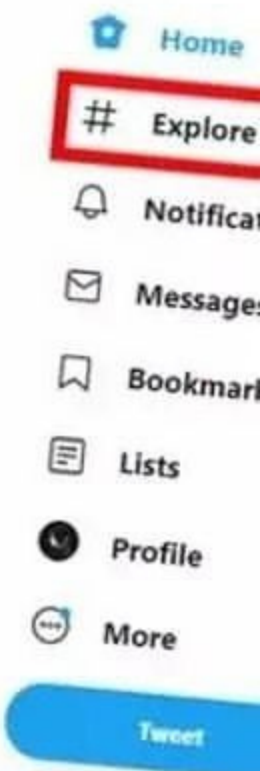
Other examples on using Ajax –

→

OTHER EXAMPLES

where **AJAX** can be used :)

★★★☆☆

- Voting and rating system
- Chat rooms
- Twitter's trending notification

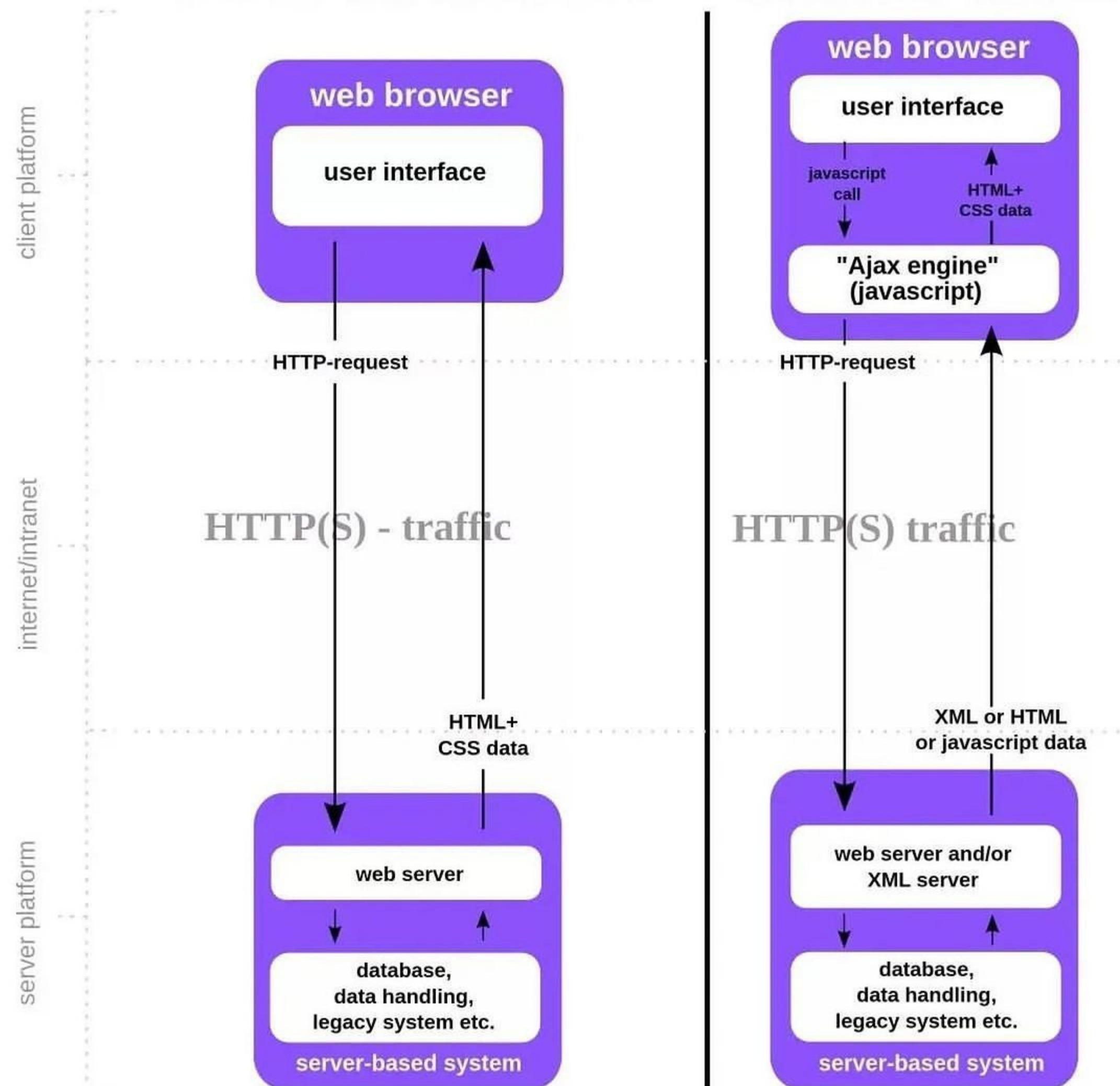*Conventional Model* vs *Ajax Model*
for a web Applicaton
→

Home
Explore
Notifica
Messages
Bookmar
Lists
Profile
More
Tweet

Conventional model of a web application

Ajax model of a web application

client platform

web browser

user interface

web browser

user interface

javascript
call

HTML+
CSS data

"Ajax engine"
(javascript)

HTTP-request

HTTP-request

internet/intranet

HTTP(S) - traffic

HTTP(S) traffic

HTML+
CSS data

XML or HTML
or javascript data

server platform

web server

web server and/or
XML server

database,
data handling,
legacy system etc.

database,
data handling,
legacy system etc.

server-based system

server-based system

LET'S WRAP IT UP!

AJAX is a technique for creating *fast and dynamic web pages.* AJAX allows web pages to be updated asynchronously by exchanging small amounts of data with the server behind the scenes.

This means that it is possible to update parts of a web page, *without reloading the whole page.*

The best perk of using **AJAX** is that it streamlines the **user experience.** Your **visitors** do not have to wait long to access your content.