



VSR://edu/2016/evs/

04 – XMLHttpRequests („AJAX“)

//// Design of Distributed Systems

////////////////////////////////////

Dipl.-Inf. André Langer

VSR.Informatik.TU-Chemnitz.de

Again Javascript?

Yes!

Are there any Questions
concerning

Homework3 ?

	DOM			
	CSS			XSL

Fill a field:				
Text:	Field X:	Field Y:	CSS:	
XML	5	4	color green;	
<div>Fill</div>				

Brief repetition

What is a living standard?

What does document.querySelectorAll()?

What nodeTypes exist in DOM?

2

AJAX

In order to build a website, you need knowledge in...

Marketing

Design

Client-Side Code

Browser

Server-Side Code

Web Server

Databases

OS

Management

SEO SEM Support
UI/UX Design Photoshop
Responsive
HTML5 CSS JavaScript XML
Bootstrap jQuery DOM AJAX
IE, Chrome, Firefox AngularJS Cordova
MobileDev
Webservices Architecture OOP
PHP ASP.NET Java Python nodeJS
Sockets Load Balancing Caching
Apache IIS Security Protocols
MySQL MS SQL Oracle NoSQL
Linux Windows Server Storage
Routing DNS Devices
Git / SVN Tooling Documentation

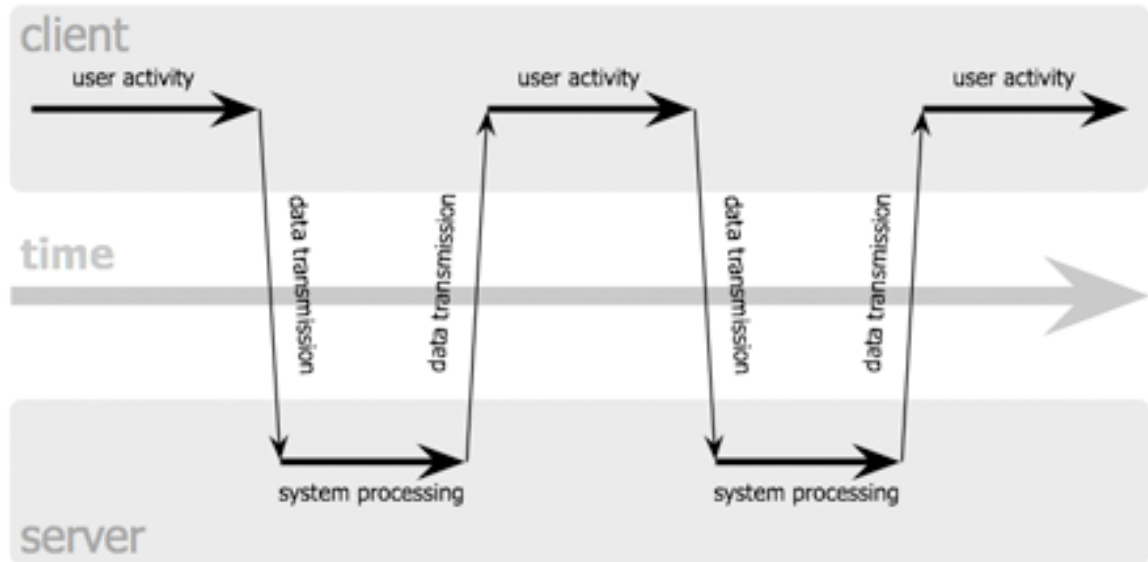
What is AJAX?



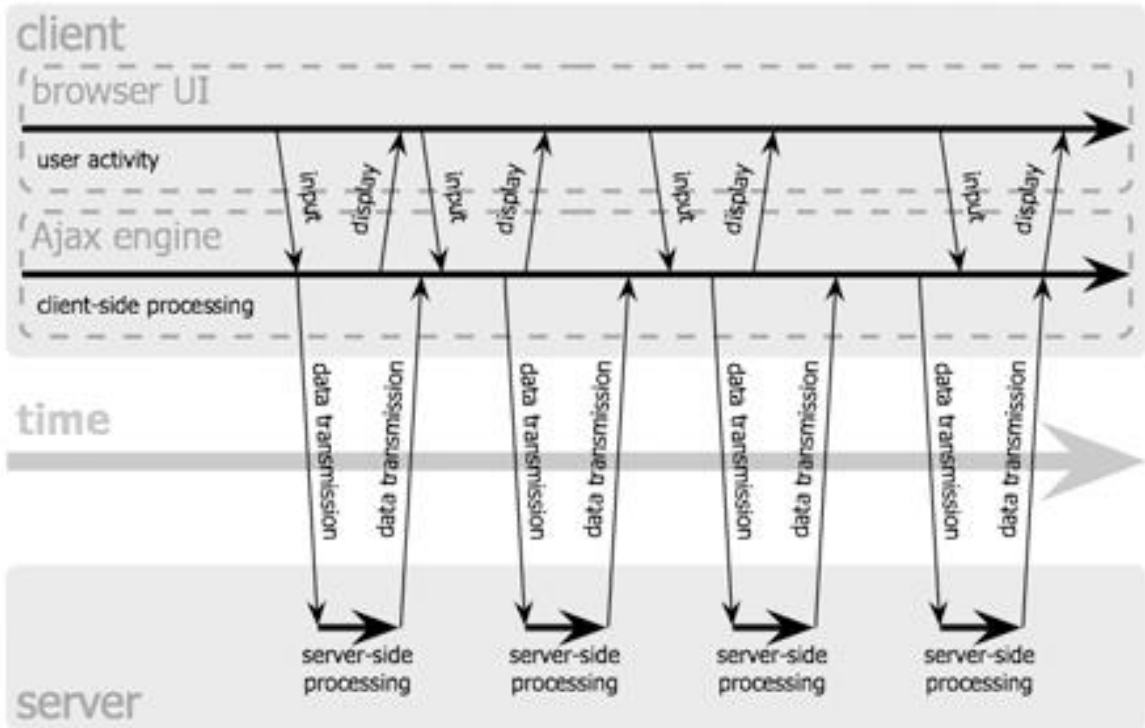
General Question

- How can we dynamically add external web content to our current website?
 - Serverside Programming / Reload (Postback)
 - Frames / iFrames
 - Script Block Embedding
 - XMLHttpRequest
 - (ReactJS)

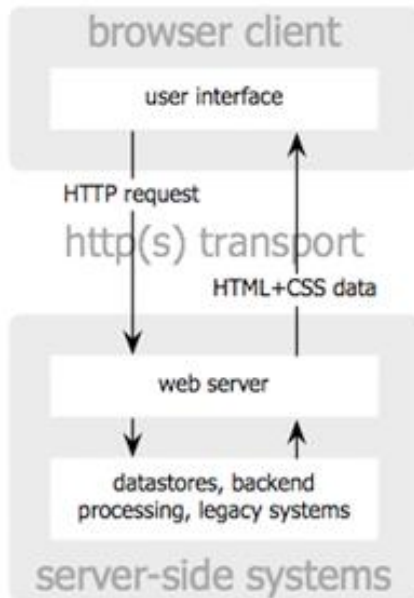
classic web application model (synchronous)



Ajax web application model (asynchronous)

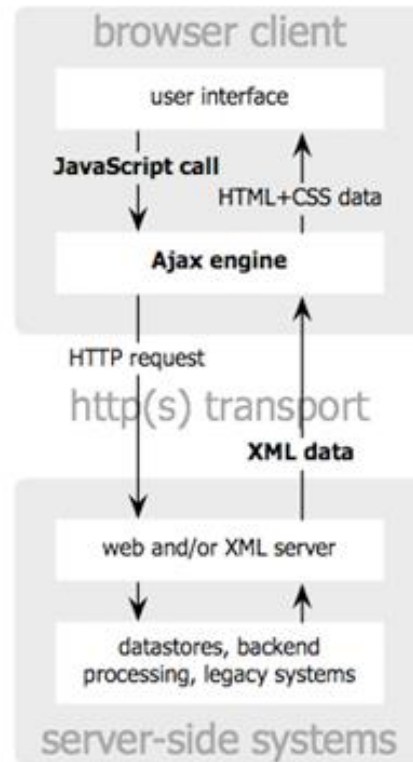


Jesse James Garrett / adaptivepath.com



**classic
web application model**

Jesse James Garrett / adaptivepath.com



**Ajax
web application model**

AJAX is

- An umbrella term for browser techniques to asynchronously retrieve data
- Technically based on XMLHttpRequest component
- Originally XML-oriented, but also other data types such as JSON or even plain text can be requested



AJAX HowTo



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Thank You!

Andre.Langer@informatik.tu-chemnitz.de

VSR.Informatik.TU-Chemnitz.de