



VSR://edu/2016/evs/

04 – XMLHttpRequests („AJAX“)

//// Design of Distributed Systems

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

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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>				

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?

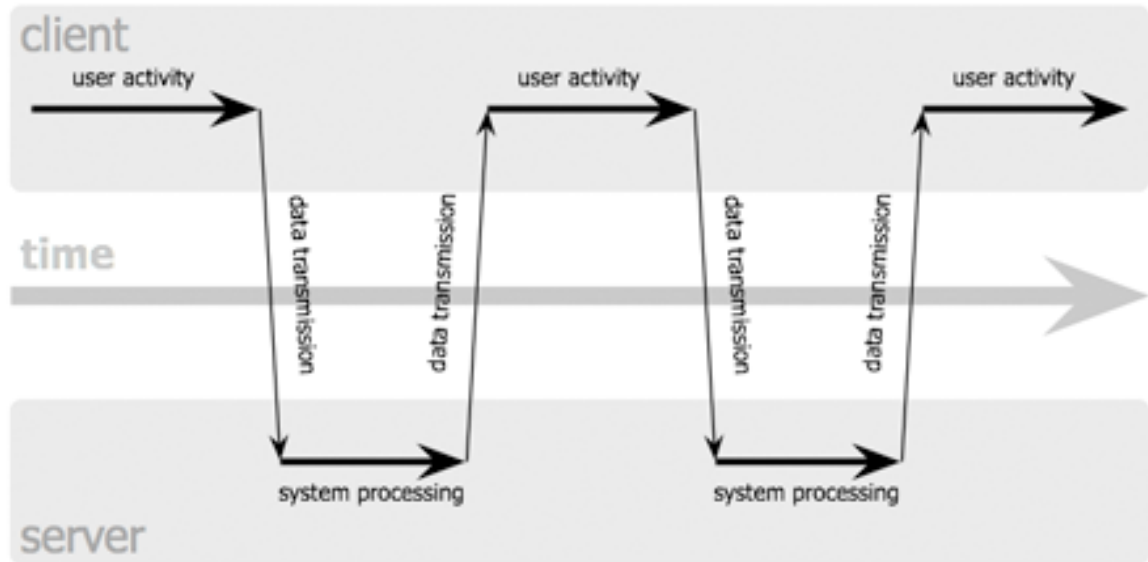


General Question

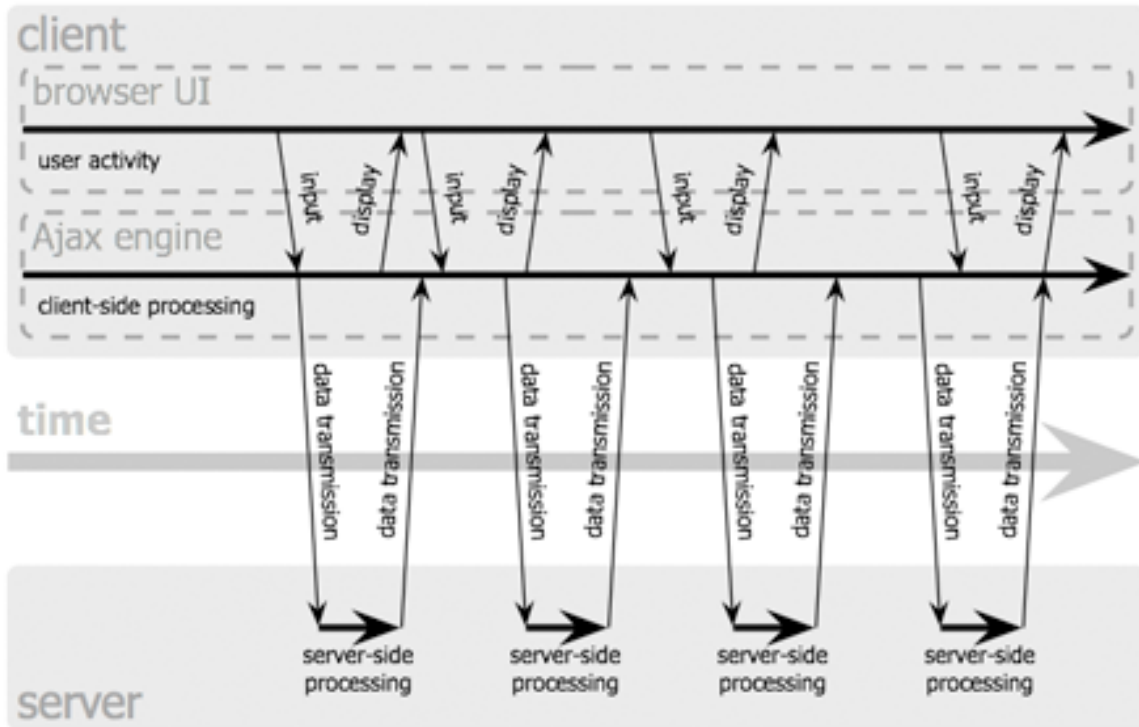
How can we dynamically add or update content on our current website without reloading the whole page?

- Serverside Programming / Reload (Postback)
- Frames / iFrames
- Script Block Embedding
- XMLHttpRequest

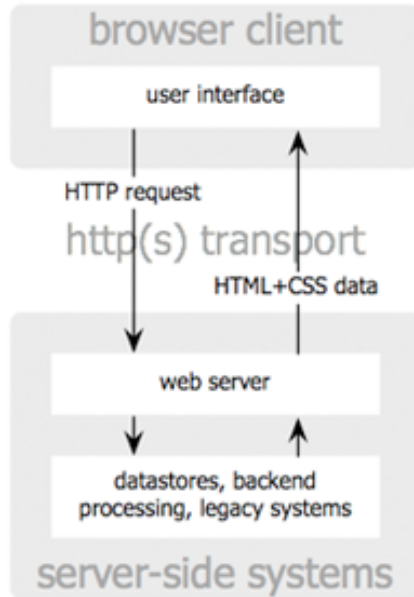
classic web application model (synchronous)



Ajax web application model (asynchronous)

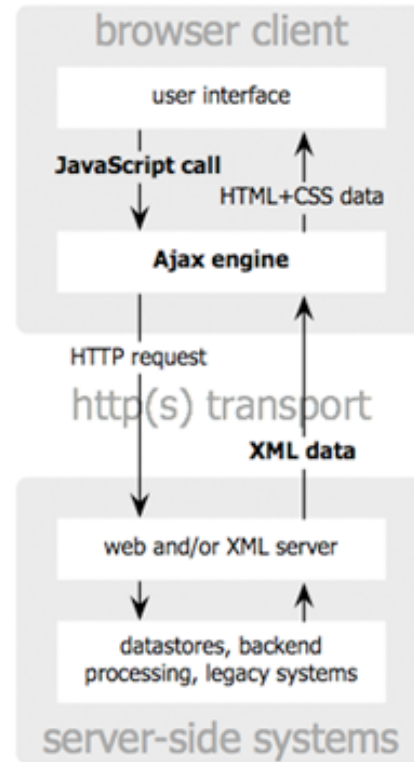


Jesse James Garrett / adaptivepath.com



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 the 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!

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