









Architecture des Systèmes d'Information

Ajax













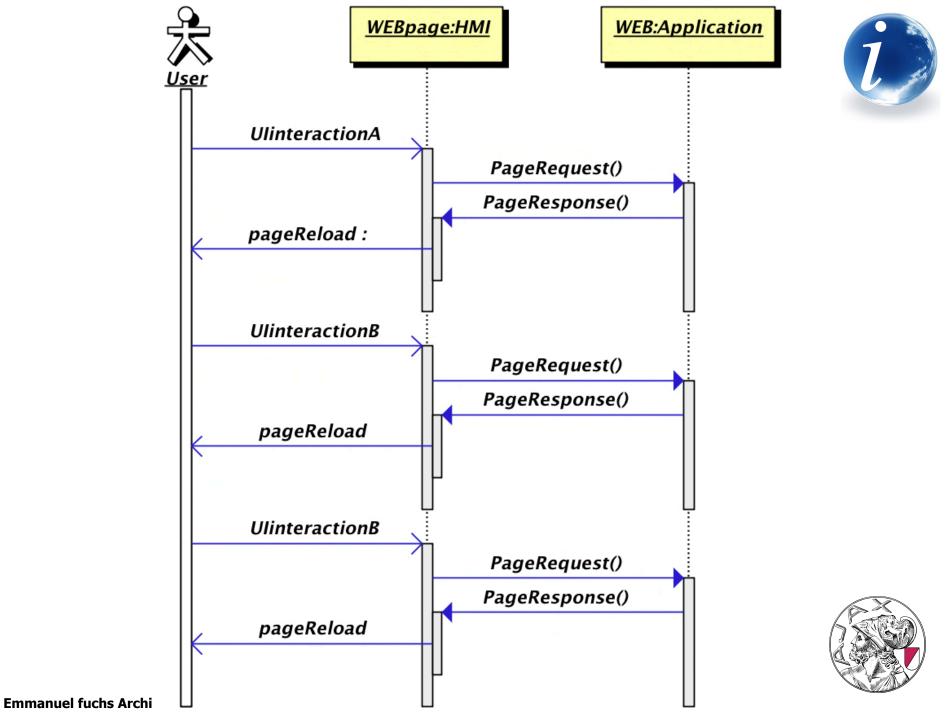
Principle

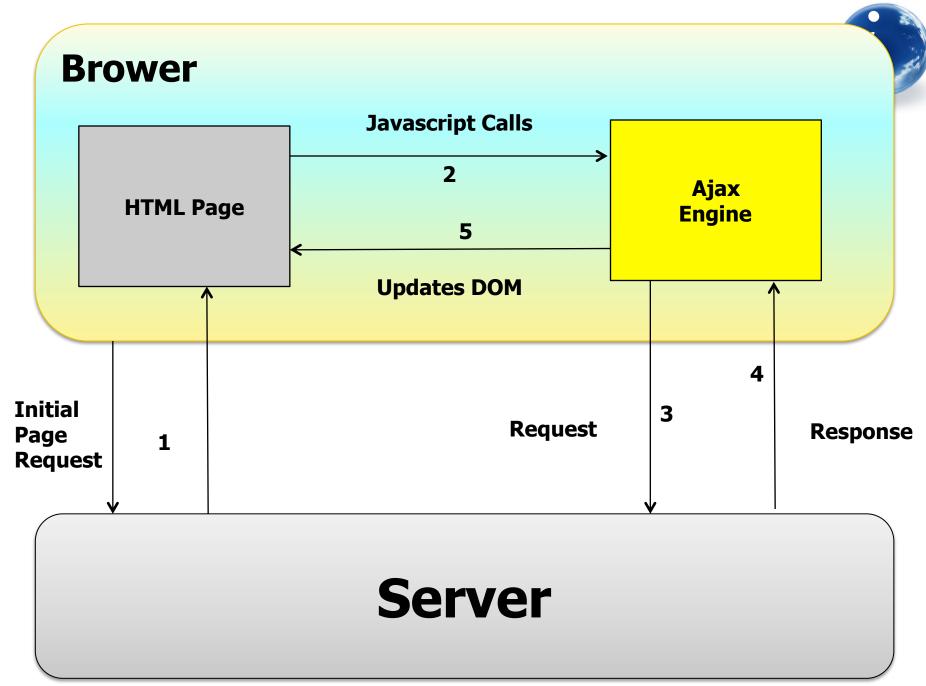


- Ajax make it possible Javascript to communicate directly with the server, using a special Javascript object XMLHttpRequest.
- With this object, Javascript can get information from the server without having to load a new page!
- It avoids page reaload at for partial view refresh.



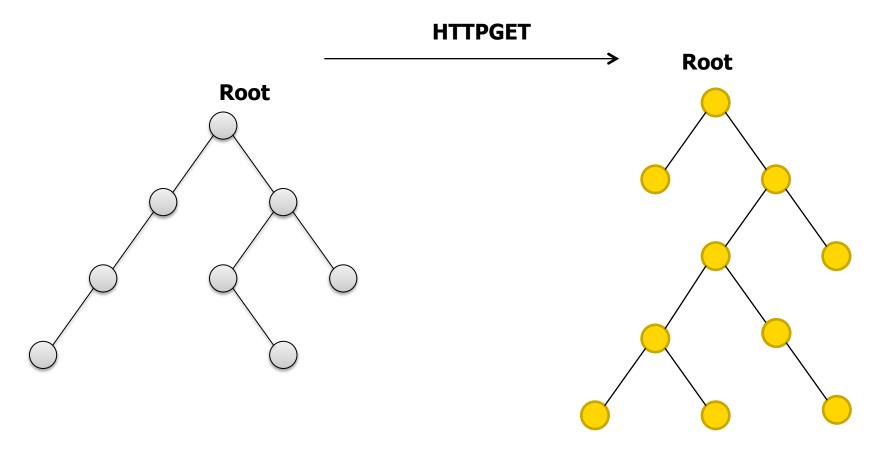






Without Ajax: New DOM Tree per request

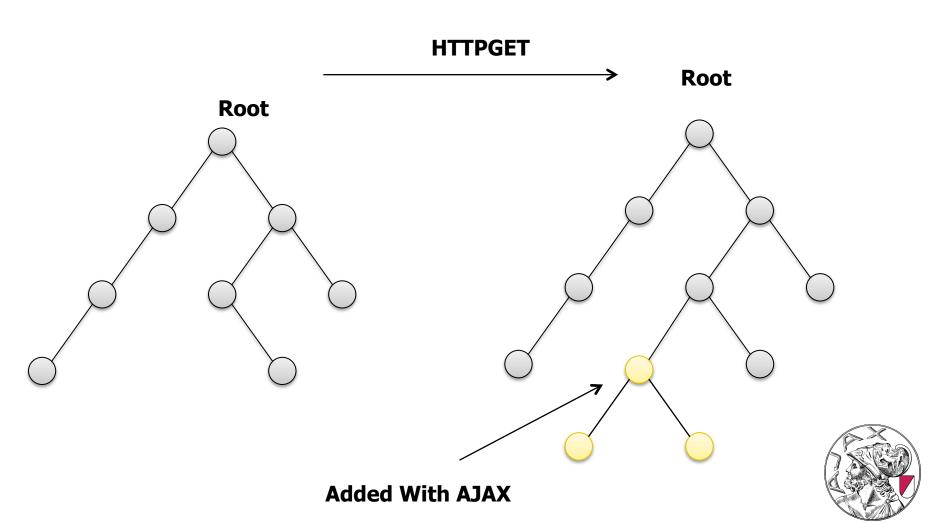






WitAjax: Partial DOM Tree update

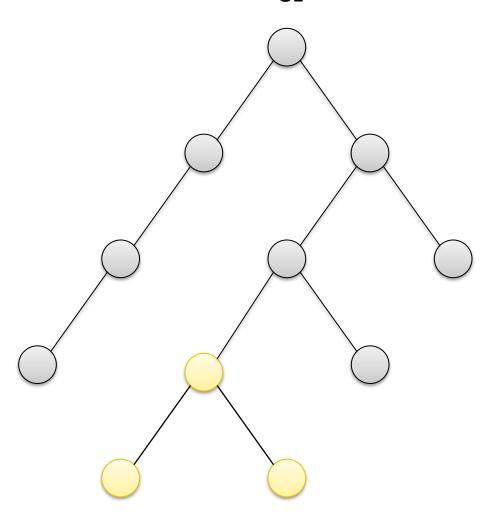




Ajax Partial Update of the DOM.



UI





Ajax: Asynchronous JavaScript And Xml



XMLHttpRequest

First implementation in IE activeX

 Ajax updated portion is sent as XML to the browser where the DOM is updated

https://developer.mozilla.org/en-US/docs/DOM/XMLHttpRequest



