

AJAX

Talking Behind the Browser's Back

AJAX

- **A**synchronous
- **J**avascript
- **A**nd
- **X**ML

AJAX

- Fortunately, almost no one uses XML anymore
- JSON is far more popular now as the format for asynchronous data
- **JavaScript Object Notation**

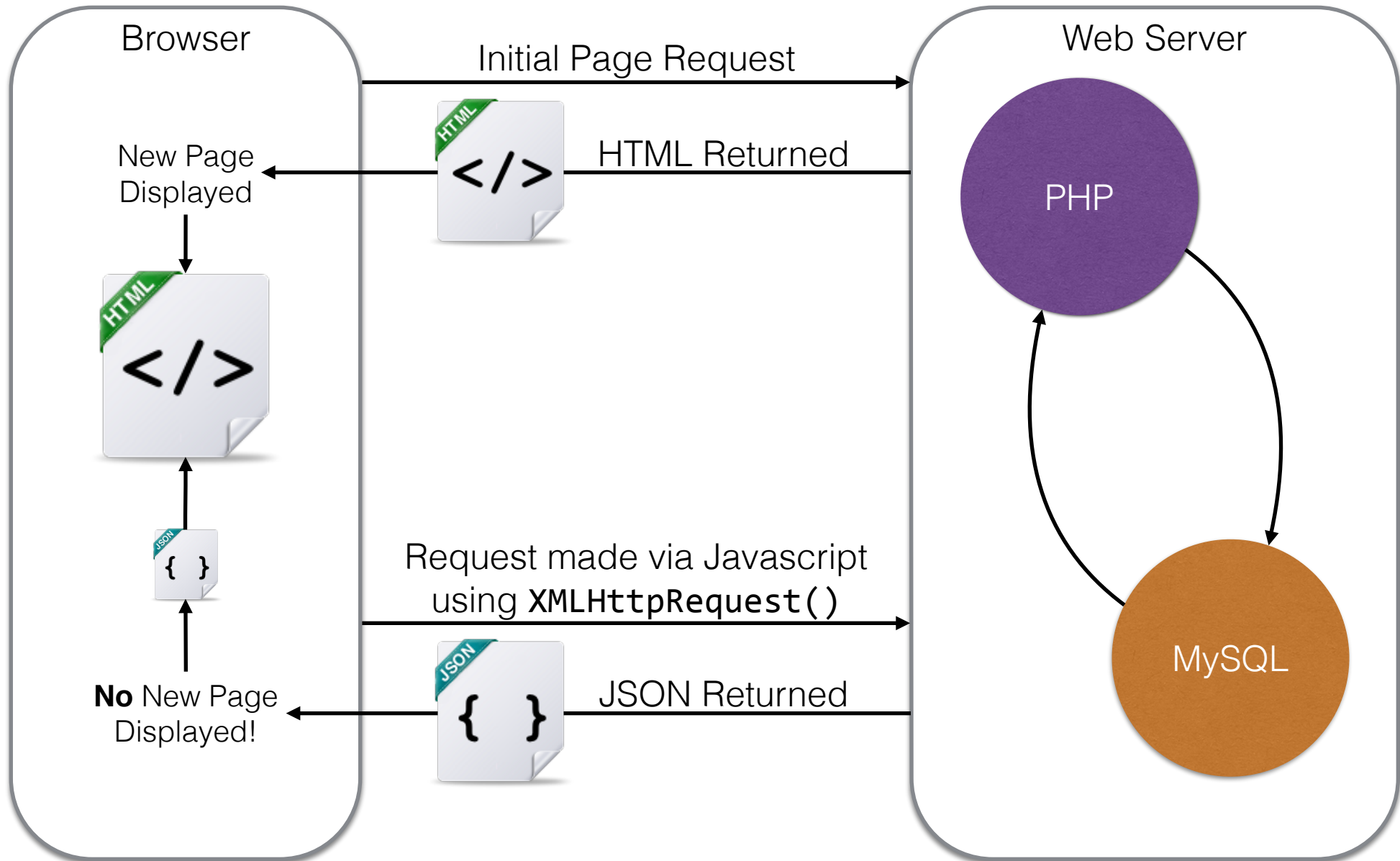
XMLHttpRequest

- Concept First proposed by Microsoft
- First appeared in IE 5 as an ActiveX component
- Mozilla Adopted the idea and created a Javascript implementation of it as nsIXMLHttpRequest. Appeared in Gecko engine in 2002
- Became the *de facto* standard when WebKit implemented it in 2004
- W3C formally standardized it in 2006

XMLHttpRequest

- XMLHttpRequest forms the basis for almost all asynchronous browser communications
- Libraries such as jQuery and Prototype provide many convenience wrappers around the core API

AJAX



AJAX Basic Example

- Basic Parts
- HTML Page
- Javascript Glue
- Remote Asset to Retrieve

AJAX Basic Example

<http://www.cs.arizona.edu/classes/cs337/fall14/examples/ajax/>

header()