



- Take the protocol out of the equation
 - Put data exchange in the foreground
 - If I have to write request.getParameter("...") I'm not interested ...
- So: XML in, XML out
- Show me the framework!
 - Struts?

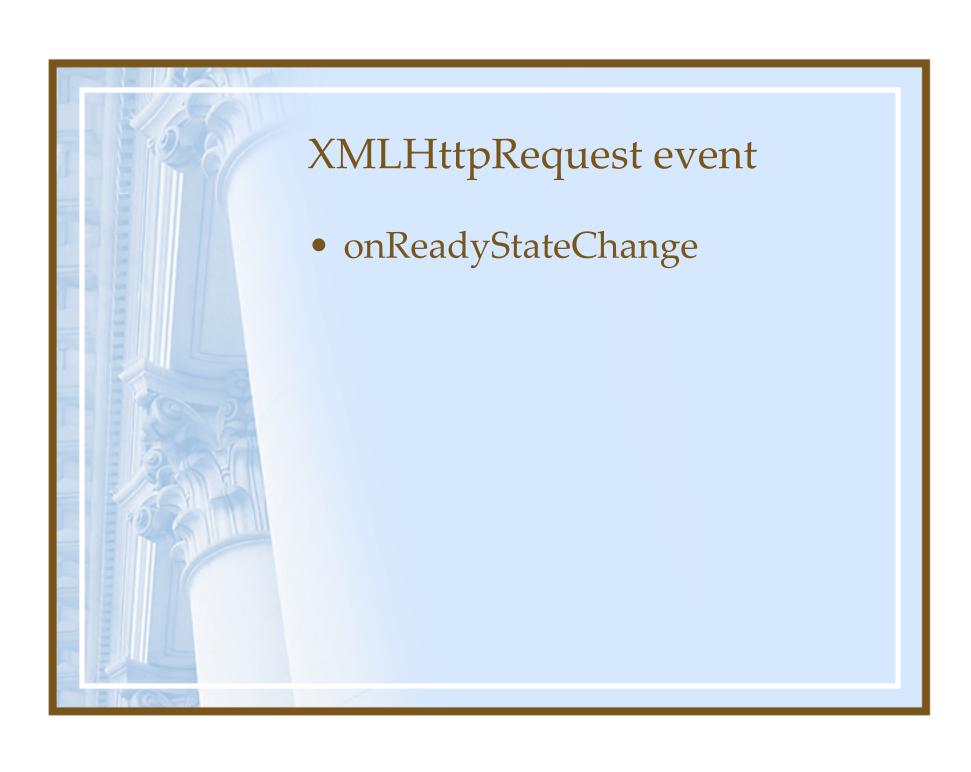


- responseText [String]
 Raw response text
- responseXML [XML Object]
 If response text is well-formed XML
- readyState [Integer]
- **status** [Integer = the HttpResponse code]



open([String] method,[String] url,[boolean] asynchronous)

• send([String] arg)



XMLHttpRequest

Set up method variables

```
function get(url, callback) {
  var ajaxrequest;
  var ajaxresponse;
    . . .
```

XMLHttpRequest

Bind the request callback method

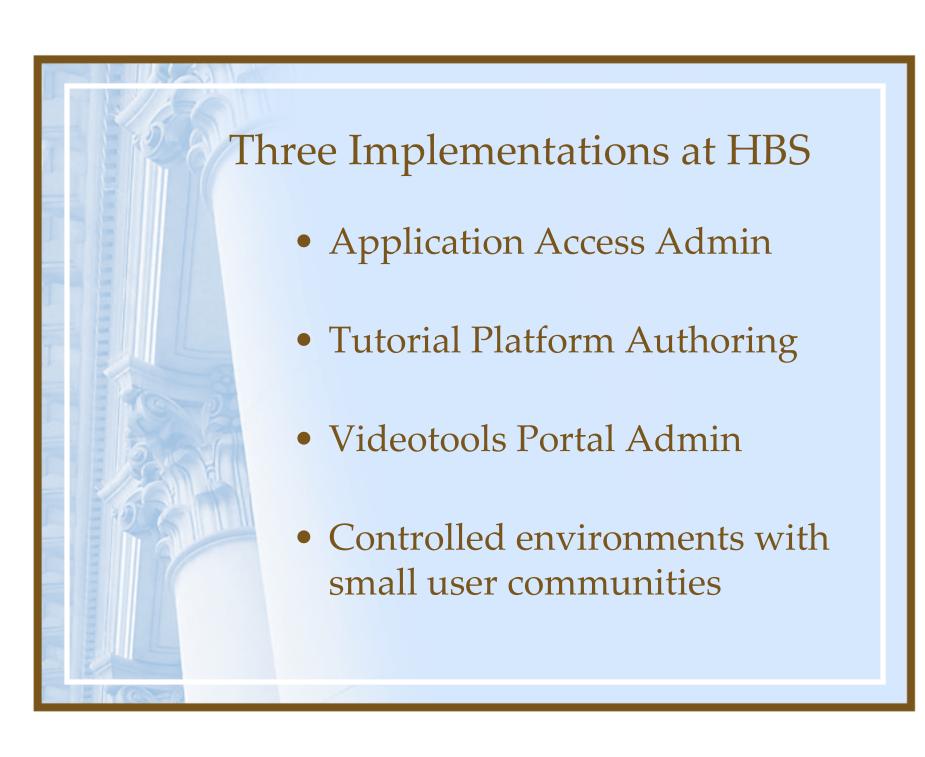
XMLHttpRequest

Instantiate the XMLHttpRequest object

```
function get {
    . . . .

if (window.XMLHttpRequest) {
    ajaxrequest = new XMLHttpRequest();
} else if (window.ActiveXObject) {
    ajaxrequest = new ActiveXObject("Microsoft.XMLHTTP");
}

if (ajaxrequest) {
    ajaxrequest.onreadystatechange = bindRequestChange;
    ajaxrequest.open("GET", url, true);
    ajaxrequest.send(null);
}
```



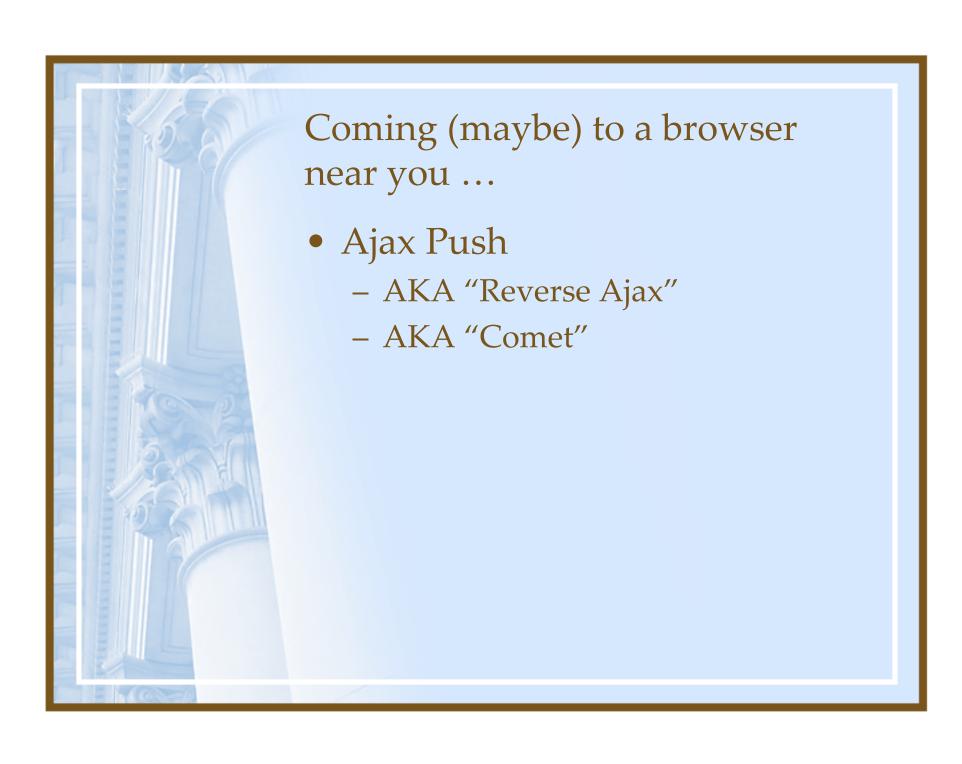








- Portal: a stylized, sorted collection of video assets targeted to a specific user community
- Admin requires: sorting, labeling, refreshing, creating RSS feeds.
- Out with XML, in with JSON!



JavaScript Libraries

- Scriptaculous http://script.aculo.us/
- Prototype
 http://prototype.conio.net/
- Yahoo! UI Library
 http://developer.yahoo.com/yui/
- Zimbra Toolkit

p://www.zimbra.com/community/ajaxtk_download.html

- Dojo http://dojotoolkit.org/
- DWR http://getahead.org/dwr/getstarted



- http://www.jdom.org
- http://jakarta.apache.org/commons/jxpath/
- http://www.json.org
- http://www.ajaxian.com