

JavaScript Libraries

Javascript Library requirements

1. base for client-side restletport
2. cross-browser issues:
 - syntax
 - DOM model
 - event model
3. dynamic loading of js-files
4. event binding
5. unit testing
6. (widgets, effects)
7. size, stability, maturity
8. compression

The contestants

| | Latest (non-beta) release | Size | the good | the bad |
|--|---------------------------|--------|---|--|
| Dojo ¹ | 1.0.2 (12/15/07) | 50kb+ | <ul style="list-style-type: none">• OOP• CSS3• buildsystem with compression• unittest• widgets (Dijit) | <ul style="list-style-type: none">• buggy• ugly code• heavy |
| Prototype ² | 1.6.0.2 (01/25/08) | ~120kb | <ul style="list-style-type: none">• support• Script.aculo.us³ for UI• OOP | <ul style="list-style-type: none">• poor documentation• no UI• extends <code>Object.prototype</code> (here⁴ and here⁵) |
| jQuery ⁶ | 1.2.2 (01/14/08) | ~26kb | <ul style="list-style-type: none">• documentation• easy to use• fast• CSS 1-3, basic xpath• lightweight• chainable• plugins | <ul style="list-style-type: none">• only selector +effects +some-XHR• only for simple and small projects• no widgets |

| | | | | |
|--------------------------------------|------------------|-------|--|--|
| | | | <ul style="list-style-type: none"> namespaced | |
| Ext JS ⁷ | 2.0.1 (01/23/08) | 7kb+ | <ul style="list-style-type: none"> support good collection of widgets UI-centric (+ or -) on top of jquery/yui/prototype | <ul style="list-style-type: none"> heavy |
| Yahoo UI Library ⁸ | 2.4.1 (12/19/07) | 29kb+ | <ul style="list-style-type: none"> history manager documentation modular event driven namespaced | <ul style="list-style-type: none"> slow heavy complex |
| MooTools ⁹ | 1.1 (05/07/07) | 9kb+ | <ul style="list-style-type: none"> lightweight fast easy modular Object Oriented chainable | |
| qooxdoo ¹⁰ | 0.7.3 (01/14/08) | | <ul style="list-style-type: none"> buildsystem for optimizing and packaging namespace event binding | <ul style="list-style-type: none"> non-CSS-based styling |
| Rico ¹¹ | 2.0rc (01/29/08) | | <ul style="list-style-type: none"> based on prototype | <ul style="list-style-type: none"> few features |

Disqualified:

- MochiKit**¹²: seems to be deserted

Links

JavaScript Frameworks Compared

<http://www.zenperfect.com/2007/08/11/javascript-frameworks-compared/>

Top 5 javascript frameworks

<http://www.whenpenguinsattack.com/2007/04/24/top-5-javascript-frameworks/>

JavaScript Libraries By Comparison

<http://javascriptant.com/articles/24/javascript-libraries-by-comparison>

Javascript Toolkit Comparison

<http://www.ja-sig.org/wiki/display/UP3/Javascript+Toolkit+Comparison>

Why I'm moving from jQuery to ExtJs

<http://coderseye.com/2007/why-im-moving-from-jquery-to-extjs.html>

2007 Ajax Tools Usage Survey Results

[http://www.surveymonkey.com/sr.aspx?
sm=fXLiKcnKID6cO5bRe961aBB6NCCWytRyY3rParAYmWA_3d](http://www.surveymonkey.com/sr.aspx?sm=fXLiKcnKID6cO5bRe961aBB6NCCWytRyY3rParAYmWA_3d)

A Mootools Tutorial

<http://clientside.cnet.com/wiki/mootorial>