

常用JS框架比较



鲁超伍|Adam

<http://adamlu.com/> 我的博客

<http://reviewweb20.com/> 评论全球最酷Web2.0网站

<http://t.sina.com.cn/adamlu> 我的微博

自我介绍

- 2005年开始接触互联网开发，曾就职于千橡互动校内网、雅虎中国、淘宝网，专注于前端开发，见证了前端行业在中国的发展，努力成为一个专业的前端工程师。
- 现负责新浪邮箱的**RIA**开发，喜欢创新互联网应用服务，对互联网前端开发最新技术如**HTML5/CSS3**和移动互联网开发感兴趣。

什么是框架？

- **中文解释：**“框架”指一套包含工具、函数库、约定，以及尝试从常用任务中抽象出可以复用的通用模块，目标是使开发人员把重点放在任务项目所特有的方面，避免重复开发。
- **英文解释：** Framework/Library/Toolkit



为什么需要框架？

- **JavaScript** 框架或库是一组能轻松生成跨浏览器兼容的 **JavaScript** 代码的工具和函数。每一个库都在众多流行的 **Web** 浏览器的现代版本上进行了可靠的测试，因此，您可以放心地使用这些框架，您的基于 **JavaScript** 的 **RIA** 将会在不同浏览器和平台上以类似的方式工作。
- 这些框架极大地简化了开发进程，并带来一致，可靠，以及高度交互性的用户界面。

常用的Javascript框架

- [JQuery](#)
- [YUI](#)
- [Prototype](#)
- [Mootools](#)
- [ExtJS](#)
- [MochiKit](#)
- [Dojo](#)
- [Kissy](#)
- [Como JS](#)
- [JET](#)
- [JavaScriptMVC](#)
- [Qooxdoo](#)
- [SproutCore](#)
- [Sencha Touch](#)
- [IUI](#)

我对框架的分类

■ Javascript库

- 解决浏览器兼容性
- 快速开发Web应用
- 丰富UI效果

■ 跨浏览器RIA框架

- 类桌面应用

■ 移动网络应用APP框架

- 为移动设备而设计
- 基于HTML5和CSS3

jQuery

- jQuery由John Resig创建，其宗旨是——WRITE LESS, DO MORE, 写更少的代码, 做更多的事情。它是轻量级的js库(压缩后只有21k)，它兼容CSS3，还兼容各种浏览器（IE 6.0+, FF 1.5+, Safari 2.0+, Opera 9.0+）。jQuery是一个快速的，简洁的JavaScript库，使用户能更方便地处理HTML documents、events、实现动画效果，并且方便地为网站提供AJAX交互。jQuery还有一个比较大的优势是，它的文档说明很全，而且各种应用也说得 very 详细，同时还有许多成熟的插件可供选择。

示例: <http://www.box.net/>

YUI



- Yahoo! User Interface (YUI) Library是一组采用DOM scripting, Dhtml和Ajax等技术开发的Web UI控件和工具。中文说过来就是“Yahoo用户界面库”。
- Yui 工具包利用DOM脚本来简化浏览器内的开发（in-browser devolvement），使用DHTML和AJAX的特性开发所有的Web程序。
- YUI控件库为你页面提供一组高交互性性的可视化元素。这些元素完全在客户端创建维护，不需要请求服务器进行页面刷新。

示例: <http://www.yahoo.com/>

Prototype

- **prototype**是一个易于使用、面向对象的JavaScript框架。它封装并简化和扩展一些在Web开发过程中常用到JavaScript方法与Ajax交互处理过程。

示例： <http://last.fm/>

Mootools

- MooTools 是一个简洁，模块化，面向对象的JavaScript框架。它能够帮助你更快，更简单地编写可扩展和兼容性强的JavaScript代码。 Mootools从Prototype.js中汲取了许多有益的设计理念，语法也和其极其类似。但它提供的功能要比Prototype.js多，整体设计也比Prototype.js要相对完善，功能更强大，比如增加了动画特效、拖放操作等等。

示例： <http://vimeo.com/>

ExtJS

- ExtJS是一个跨浏览器，用于开发RIA（Rich Internet Application）应用的JavaScript框架。提供：高性能，可定制的Web UI控件库。良好的设计、丰富的文档和可扩展的组件模型。

示例： <http://dev.sencha.com/deploy/dev/examples/>



Mochikit

- MochiKit 是一种有用的高端 JavaScript 库。MochiKit 主要受到 Python 和 Python 标准库提供的很多便利之处的启发，另外还缓解了浏览器版本之间的不一致性。其中的 MochiKit.DOM 尤其方便，能够以比原始 JavaScript 更友好的方式处理 DOM 对象。MochiKit.DOM 大部分都是针对 XHTML 文档定制的，如果与 MochiKit 和 Ajax 结合在一起，使用 XHTML 包装的微格式尤其方便。

示例：<http://mochikit.com/demos.html>

Dojo

- Dojo 是一个强大的面向对象JavaScript框架。主要由三大模块组成：Core、Dijit、DojoX。Core提供 Ajax, events, packaging, CSS-based querying, animations, JSON等相关操作API。Dijit是一个可更换皮肤，基于模板的WEB UI控件库。DojoX包括一些创新/新颖的代码和控件：DateGrid, charts, 离线应用，跨浏览器矢量绘图等。

示例： <http://demos.dojotoolkit.org/demos/>

Kissy

- KISSY 是一个小巧灵活、简洁实用的 UI 类库，它希望使用者能愉悦编码、快乐开发。
- Keep It
 - Simple & Stupid, Short & Sweet, Slim & Sexy...

示例: <http://www.taobao.com/>

Como Js

- Como JS是一款代码简易而功能强大的Javascript框架，也是作者在工作过程中的经验总结，实用性强；通过它，能够简化Javascript代码开发，增强代码重用性，能够异步按需加载js和css文件，增强page的加载速度

示例：<http://www.comojs.com/SlickSpeed/>



j-et

JET(Javascript Extension Tools - Javascript 扩展工具包)

Jet

- JET 适用于 Web Page 和 Web App 的开发
- 微内核设计
 - 内核可完全分离出来，用于构建自己的框架
- 自由拼装各个模块
- 命名空间、原生对象零污染
- 无缝集成各种js框架
 - 与jQuery, YUI, Mootools, Prototype.js 等框架无缝集成
 - 与多种局部框架无缝集成，如：Mini, Sizzle, cssQuery, xpath, JSON 等等
- 多版本共存
 - 如采用的JET版本过旧，旧有的Javascript代码不能与新版本JET兼容，则可以采用多版本共存的方式保持程序的可延续性
- 分层设计
 - Javascript核心层，与Javascript解释引擎无关的封装和扩展
 - 浏览器端Javascript层，对浏览器中的Javascript引擎部分的封装和扩展

示例：<http://web2.qq.com/>

JavascriptMVC

- JavaScriptMVC是一个功能强大的JavaScript framework. 也是一个很棒的JavaScript测试框架，它同样能提高开发的速度。JavaScriptMVC应用了模型-视图-控制器架构模式，把业务逻辑和表示分离，使得代码更加模块化。

示例: <http://docs.javascriptmvc.com/demos/index.html>

Qooxdoo

- qooxdoo是一个 Ajax 应用框架使用基于面向对象 JavaScript, 它让你可以用JavaScript来开发类似于VB/Delphi风格的具有Ajax功能的web2.0应用程序。qooxdoo具有客户端浏览器检测功能, 具有浏览器抽象层, 可以无差别的创建跨浏览器的Web应用程序, 它提供方便的调试接口, 具有事件管理、聚焦管理、定时器、边框和对象属性等特征。它提供一组窗体组件并扩展了布局, 它还提供跨平台的png图形透明支持功能。此外, qooxdoo提供一个原子组件, 你可以在其基础上开发你自己的组件。

示例: <http://demo.qooxdoo.org/current/demobrowser/>

SproutCore

- SproutCore苹果对SproutCore的解释为“开源，平台无关，类Cocoa的JavaScript框架，用于创建具有桌面应用程序外观和操作感的Web应用程序。”
- 现在有不少Web框架开始使用HTML5中的一些新特性（如离线存储、HTML5 ApplicationCache等）来构建富本地（rich native-class）应用，而SproutCore则是其中之一。

Sencha Touch

- Sencha Touch可以让你的Web App看起来像Native App。美丽的用户界面组件和丰富的数据管理，全部基于最新的HTML5和CSS3的 WEB标准，全面兼容Android和Apple iOS设备。

示例： <http://www.sencha.com/products/touch/demos.php>

Sencha Touch



The First HTML5 Mobile Web App Framework

Sencha Touch allows you to develop mobile web apps that look and feel native on iPhone and Android touch devices.

HTML5

CSS3

JavaScript

Built with Web Standards

Sencha Touch is the world's first app framework built specifically to leverage HTML5, CSS3, and Javascript for the highest level of power, flexibility, and optimization. We make specific use of HTML5 to deliver components like audio and video, as well as a localStorage proxy for saving data offline. We have made extensive use of CSS3 in our stylesheets to provide [the most robust styling layer possible](#).

IUI

- IUI 包含一套 JavaScript 库，CSS 式样表及图片，是一个轻量级 iPhone UI 库，包含 iPhone 风格导航菜单，设备方向，iPhone 风格切换等功能，可以为你的 Web 程序带来 iPhone 般的体验。

示例：<http://adamlu.com/Speech/iui/>

IUI

iUI Demos

About>

Samples>

3rd Party Samples>

Tests>

Music

Search

Artists>

Settings>

Stats>

Theme Switcher>

About>

Nothing

iUI De...

Samples

Music>

Prefs>

Digg>

Theaters>

Graphic NavBar>

Music

Artists

Search

B

The Beatles>

Belle & Sebastian>

C

Crowded House>

J

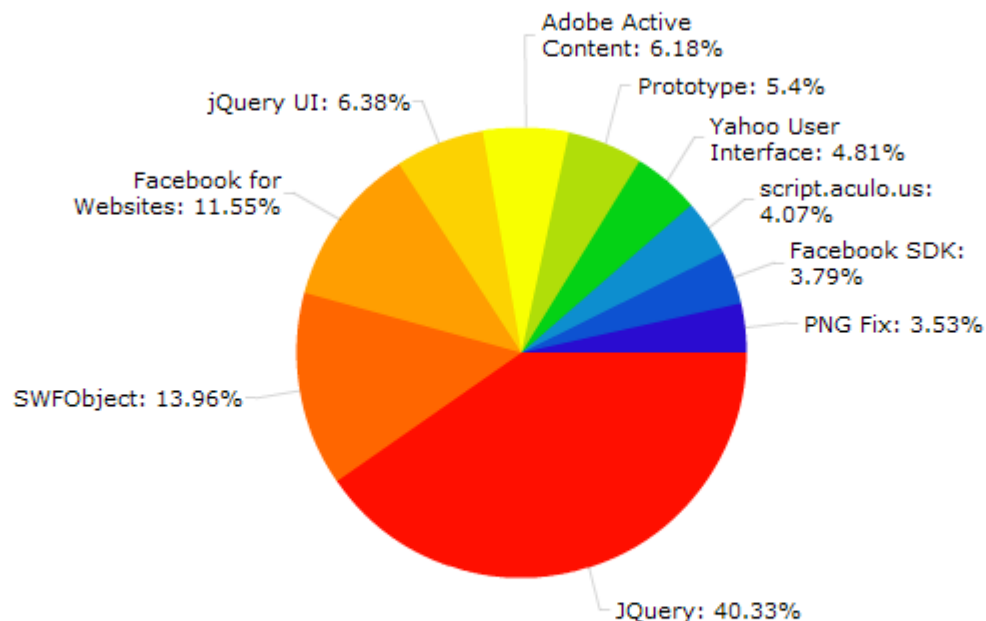
Jenny Lewis>

John Mayer>

Javascript框架使用比例

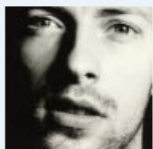
JavaScript Distribution

Distribution of the top web technologies.



Javascript框架使用比例

adamlu



实习舵主

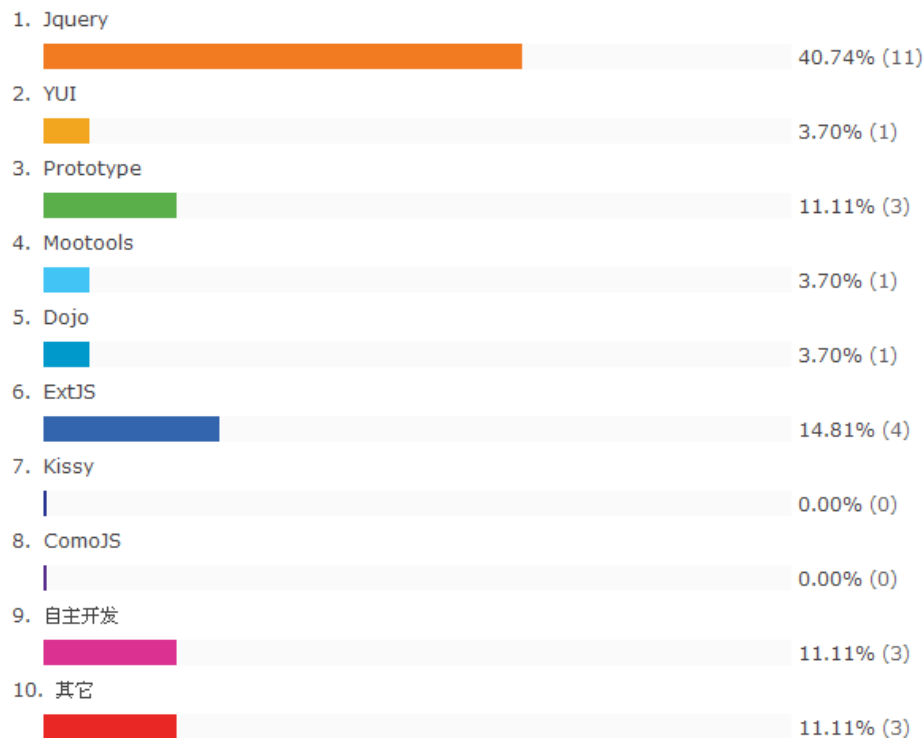
精华 0
积分 73
威望 0 点
银子 205 两
金子 0 两
来自 北京

发表于 2010-9-16 18:38 | 只看该作者

打印 字体大小: T | T 倒序看帖

[JavaScript2] 您常用的Javascript框架有哪些?

多选投票: (最多可选 3 项), 共有 17 人参与投票 [查看投票参与人](#)



您已经投过票, 谢谢您的参与

请问大家常用的Javascript框架有哪些?

<http://bbs.9ria.com/thread-63683-1-1.html>

怎么选一款Javascript框架

- 你的项目需求
- 框架支持A级浏览器吗
- 是否利于团队协作开发
- 框架是否成熟
- 文档是否健全
- 社区支持是否充足
- 框架的扩展性如何
- 你是否喜欢API的风格
- 代码执行速度性能如何
- 代码是否为模块化
- 代码可重用性如何

几个JS框架比较

	Jquery	YUI	Prototype	Ext-JS	Qooxdoo
ver	1.4.2	3.0	1.6.1	3.1.1	1.2
DOM unextended	Y	Y	N	Y	Y
Data retrieval(XMLHTTP)	Y	Y	Y	Y	Y
Rich Text Editor	With plugin	Y	N	Y	Y
Drag and drop	Y	Y	Y	Y	Y
Input form	With plugin	Y	Y	Y	Y
Animation	Y	Y	Y	Y	Y
Event handling	Y	Y	Y	Y	Y
Automation tools	With plugin	Y	Y	Y	Y
Accessibility	Y	Y	Y	N	N
mobie/tablet support	With plugin	partial	N	Y	N

Jquery

jQuery 1.4.1 速查表 -- Shawphy, 原作:G. Scott Olson

核心	选择器	文档处理	事件	Ajax
jQuery 核心函数 jQuery(expr, [context]) jQuery(html, [ownerDoc]) jQuery(html, props) jQuery(elements) jQuery() jQuery(callback) jQuery 对象访问 each(callback) size() length selector context get() get(index) index(subject) 数据缓存 data([name], [value]) data(obj) removeData(name) \$.data([el], [key], [val]) 队列控制 queue(name, [callback]) dequeue(name) clearQueue([queueName]) 插件机制 jQuery.fn.extend(object) jQuery.extend(object) 多库共存 jQuery.noConflict([ex])	基本 #id element .class * selector1,selector2,selectorN 层级 ancestor descendant parent > child prev + next prev ~ siblings 基本 :first :last :not :even :odd :eq :gt :lt :header :animated 内容 :contains :empty :has :parent 可见性 :hidden :visible 属性 [attribute] [attribute=value] [attribute!=value] [attribute^=value] [attribute\$=value] [attribute*=value] [attrSel1][attrSel2][attrSelN] 子元素 :nth-child :first-child :last-child :only-child 表单 :input :text :password :checkbox :submit :image :button :file :hidden 表单对象属性 :enabled :disabled :checked :selected	内部插入 append(content fn) appendTo(content) prepend(content fn) prependTo(content) 外部插入 after(content fn) before(content fn) insertAfter(content) insertBefore(content) 包裹 wrap(html) wrap(elem) wrap(fn) unwrap() wrapAll(html) wrapAll(elem) wrapInner(html) wrapInner(elem) wrapInner(fn) 替换 replaceWith(content) replaceAll(selector) 删除 empty() remove([expr]) detach([expr]) 复制 clone() clone(true) 筛选 过滤 eq(index) first() last() hasClass(class) filter(expr fn) is(expr) map(callback) has(expr) not(expr) slice(start, [end]) 查找 children([expr]) closest([expr]) find(expr) next([expr]) nextAll([expr]) nextUntil([expr]) offsetParent() parent([expr]) parents([expr]) parentsUntil([expr]) prev([expr]) prevAll([expr]) prevUntil([expr]) siblings([expr]) 串联 add(expr, [context]) andSelf() contents() end()	页面载入 ready(fn) 事件处理 bind(type, [data], fn) one(type, [data], fn) trigger(type, [data]) triggerHandler(type, [data]) unbind([type], [data]) 事件委派 live(type, [data], fn) die([type], [fn]) 事件切换 hover(over, out) toggle(fn, fn2, [fn3, fn4, ...]) 事件 blur([fn]) change([fn]) click([fn]) dblclick([fn]) error([fn]) focus([fn]) focusin([fn]) focusout([fn]) keydown([fn]) keypress([fn]) keyup([fn]) mousedown(fn) mousemove(fn) mouseout(fn) mouseover(fn) mouseup(fn) resize(fn) scroll(fn) select([fn]) submit([fn]) unload(fn) 效果 基本 show() show(speed, [callback]) hide() hide(speed, [callback]) toggle() toggle(switch) toggle(speed, [callback]) 滑动 slideDown(speed, [callback]) slideUp(speed, [callback]) slideToggle(speed, [callback]) 淡入淡出 fadeIn(speed, [callback]) fadeOut(speed, [callback]) fadeTo(speed, opacity, [fn]) 自定义 animate(param,[dur],[e],[fn]) animate(params, options) stop([clearQueue], [gotoEnd]) delay(duration, [queueName]) 设置 jQuery.fx.off	Ajax 请求 \$.ajax([options]) load(url, [data], [callback]) \$.get(url, [data], [fn], [type]) \$.getJSON(url, [callback], [fn]) \$.getScript(url, [callback]) \$.post(url, [data], [fn], [type]) Ajax 事件 ajaxComplete(callback) ajaxError(callback) ajaxSend(callback) ajaxStart(callback) ajaxStop(callback) ajaxSuccess(callback) 其它 \$.ajaxSetup([options]) serialize() serializeArray() 工具 浏览器及特性检测 \$.support \$.browser \$.browser.version \$.boxModel 数组和对象操作 \$.each(object, [callback]) \$.extend([d],tgt,obj1,[objN]) \$.grep(array, fn, [invert]) \$.makeArray(obj) \$.map(array, callback) \$.inArray(value, array) \$.toArray() \$.toFirstSecond() \$.merge(first, second) \$.unique(array) \$.parseJSON(json) 函数操作 \$.noop \$.proxy(function, scope) 测试操作 \$.contains(container, contained) \$.isArray(obj) \$.isFunction(obj) \$.isEmptyObject(obj) \$.isPlainObject(obj) 字符串操作 \$.trim(str) URL \$.param(obj, [traditional]) 插件编写 \$.error(message) 关于 关于jQuery 1.3 版翻译 关于jQuery 1.2 版翻译 提交bug及获取更新

YUI DOM

Download YUI 3

YUI LIBRARY

- [YUI Home](#)
- [YUI 2](#)
- [YUIBlog](#)
- [Bug Reports/Feature Requests](#)
- [YUI on GitHub](#)
- [YUI's BSD License](#)

YUI 3.X RESOURCES

YUI 3 Home

- [YUI 3 Examples](#)
- [YUI 3 API Docs](#)
- [YUI 3 Gallery](#)
- [Dependency Configurator](#)

YUI 3 CORE:

- [YUI Global Object](#)
- [Node](#)
- [Event](#)

YUI 3 COMPONENT INFRASTRUCTURE:

- [Attribute](#)
- [Base](#)
- [Plugin](#)
- [Widget](#)

YUI 3 UTILITIES:

- [Animation](#)
- [AsyncQueue](#)
- [Cache](#)
- [Cookie](#)
- [DataSchema](#) BETA
- [DataSource](#) BETA
- [DataType](#) BETA
- [Drag & Drop \(DD\)](#)
- [Get](#)
- [History Utility](#) BETA

YUI 3 — Yahoo! User Interface Library

YUI 3 is Yahoo!'s next-generation JavaScript and CSS library. It powers the new Yahoo! homepage and incorporates what we've learned in five years of dedicated library development. As of the 3.1.1 release, the YUI 3 Library has grown to include the core components, a full suite of utilities, the Widget Infrastructure, and a few Widgets. All YUI projects are [BSD-licensed](#) and are available for [forking and contribution on GitHub](#).

Download YUI 3.2.0



YUI Seed

YUI() .use() any module (~6.9KB gzipped).



Full Developer Kit

Source, debug files, examples, and more (~7.2MB).

Dependency Configurator

Customize a YUI 3 rollup using the [Dependency Configurator](#).

ON THIS PAGE

- [Getting Started](#)
- [Licensing](#)
- [Support & Community](#)
- [Filing Bugs & Feature Requests](#)

DOCUMENTATION

- [API Docs](#)
- [Functional Examples](#)
- [Dependency Configurator](#)

DEVELOPER TOOLS

- [Console](#) BETA
- [Profiler](#)
- [Test](#)

YUI 3 GALLERY

Visit the [YUI 3 Gallery](#) for more YUI 3-based components contributed by the YUI community.

CORE

- [YUI Global Object](#)
- [Node](#)
- [Event](#)

UTILITIES

- [Animation](#)
- [AsyncQueue](#)
- [Cache](#)
- [Cookie](#)
- [DataSchema](#) BETA
- [DataSource](#) BETA
- [DataType](#) BETA
- [Drag & Drop \(DD\)](#)
- [Get](#)
- [History Utility](#) BETA
- [ImageLoader](#)
- [Internationalization](#) BETA
- [IO](#)
- [JSON](#)
- [JSONP](#) BETA
- [Sortable Utility](#) BETA
- [StyleSheet](#)
- [Transition](#) BETA
- [Uploader](#) BETA
- [YQL Query](#) BETA

COMPONENT INFRASTRUCTURE

- [Attribute](#)
- [Base](#)
- [Plugin](#)
- [Widget](#)

WIDGETS

- [Overlay](#) BETA
- [Rich Text Editor](#) BETA
- [ScrollView](#) BETA
- [Slider](#) BETA
- [Tabview](#) BETA

PLUGINS

- [Console Filters Plugin](#) BETA
- [FocusManager Node Plugin](#) BETA
- [MenuNav Node Plugin](#) BETA

CSS RESOURCES

- [CSS Reset](#)
- [CSS Base](#)
- [CSS Fonts](#)
- [CSS Grids](#) BETA

The library's developers blog on the [YUI Blog](#) and the YUI community exchanges ideas about YUI 3 in the [YUI 3 Forum](#) on [YUILibrary.com](#).

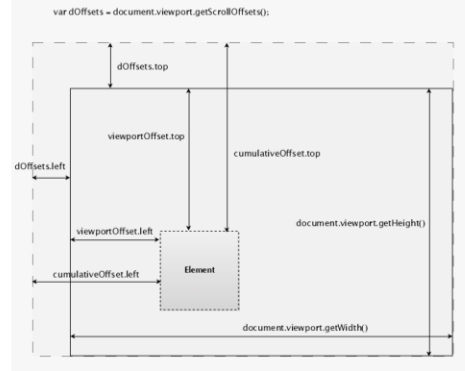
Prototype

Prototype.js cheat sheet

1.6.0.2

designed by [thinkweb2.com](#)

Event element (event) extend (event) extend (event) findElement (event, tagName) fire (element, eventName, memo) idClick (event) observe (element, eventName, handler) pointerClick (event) pointerY (event) stop (event) stopObserving (element, eventName, handler)	Element (constructor) absolutize (element) addClassName (element, className) addMethods (methods) adjacent (element, selectors...) ancestors (element) childNodes (element) classNames (element) clearWhiteSpace (element) className (element, source, options) cumulativeOffset (element) cumulativeScrollOffset (element) descendantOf (element, ancestor) descendants (element) down (element, cssRule [, index = 0]) empty (element) extend (element) fire (eventName, memo) firstDescendant (element) focusFormElement (formElement) getElements (formElement) getInputs (formElement, type, name) request (options) reset (formElement) serialize (formElement, getHash = false) serializeElements (element, getHash = false)	Enumerable all (iterator) any (iterator) collect (iterator) detect (iterator) each (iterator) eachSlice (size, iterator) entries (element) find (iterator) findAll (iterator) grep (regex, iterator) groupBy (size) include (object) inspect (accumulator, iterator) invoke (methodName, args...) map (iterator) max (iterator) member (object) min (iterator) partition (iterator) pluck (propertyName) reject (iterator) select (iterator) size (element) sortBy (iterator) toArray (element) zip (Sequence..., iterator)	document fire (eventName, memo) observe (eventName, handler) stopObserving (eventName, handler)	document.viewport getDimensions (element) getHeight (element) getScrollOffsets (element) getWidth (element)	Prototype K (argument) emptyFunction (element)	Prototype.Browser IE Opera WebKit Gecko MobileSafari	Prototype.BrowserFeatures XPath	RegExp escape (string) match (string)	PeriodicalExecuter (constructor) stop (event)	ObjectRange (constructor) include (value)	Template (constructor) evaluate (object)	TimeObserver new FormElementObserver (element, freq, callback) new FormObserver (element, freq, callback)	Utility Methods \$(id element) \$\$ (cssRule) \$A (iterable) \$F (element) \$H (id obj) \$R (start, end, exclusive = false) \$w (String) Try these (Function...) document.getElementsByClassName	Class addMethods (methods) create (superclass, methods...)	Position absolutize (element) clone (element) cumulativeOffset (element) offsetParent (element) overlap (element) page (element) positionedOffset (element) prepare (element) realOffset (element) relativeize (element) scrollTo (element) withIncludingScrollOffsets (element)	Insertion After (element) Before (element) Bottom (element) Top (element)
Form disable (formElement) enable (formElement) findFormElement (formElement) focusFormElement (formElement) getElements (formElement) getInputs (formElement, type, name) request (options) reset (formElement) serialize (formElement, getHash = false) serializeElements (element, getHash = false)	Form.Element activate (element) clear (element) disable (element) enable (element) focus (element) getValue (element) present (element) select (element) serialize (element) setValue (element, value)	Hash (constructor) clone (element) each (iterator) get (key) inspect (element) keys (element) merge (object) set (key, value) toJSON (element) toObject (element) toQueryString (element) unset (key) update (object) values (element)	Number (number, prototype) abs (element) ceil (element) floor (element) round (element) succ (element) times (iterator) toColorPart (element) toJSON (element) toFixed (length, radix)	Function (function, prototype) argumentNames (function) bind (thisObj, arg...) bindAsEventListener (thisObj, arg...) curry (arg...) defer (arg...) delay (seconds, arg...) methodize (function) wrap (wrapperFunction, arg...)												
Ajax new Ajax.PeriodicalUpdater (container, url, options) new Ajax.Request (url, options) new Ajax.Updater (container, url, options)	Ajax.Responders register (responder) unregister (responder)	Object clone (obj) extend (dest, src) inspect (obj) isArray (obj) isElement (obj) isFunction (obj) isHash (obj) isNumber (obj) isString (obj) isUndefined (obj) keys (obj) toHTML (obj) toJSON (obj) toQueryString (obj) values (obj)	Function (function, prototype) argumentNames (function) bind (thisObj, arg...) bindAsEventListener (thisObj, arg...) curry (arg...) defer (arg...) delay (seconds, arg...) methodize (function) wrap (wrapperFunction, arg...)													
Array (Array, prototype) clear (element) clone (element) compact (element) each (iterator) first (element) flatten (element) from (iterable) indexOf (value) inspect (element) last (element) reduce (element) reverse (inline = true) size (element) toArray (element) toJSON (element) uniq (element) without (value...)	Array (Array, prototype) clear (element) clone (element) compact (element) each (iterator) first (element) flatten (element) from (iterable) indexOf (value) inspect (element) last (element) reduce (element) reverse (inline = true) size (element) toArray (element) toJSON (element) uniq (element) without (value...)	Date (Date, prototype) toJSON (element)	Function (function, prototype) argumentNames (function) bind (thisObj, arg...) bindAsEventListener (thisObj, arg...) curry (arg...) defer (arg...) delay (seconds, arg...) methodize (function) wrap (wrapperFunction, arg...)													



Ext JS

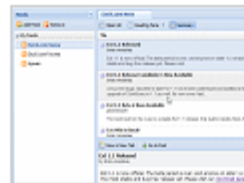
Ext JS Cross-Browser Rich Internet Application Framework

[Download Now](#)

Combination Samples ▶

[Accessibility Samples](#)[Grid Samples](#)[TabPanel Samples](#)[Chart Samples](#)[Window Samples](#)[Tree Samples](#)[Layout Managers](#)[ComboBox Samples](#)[Form Samples](#)[Toolbars and Menus](#)[Templates and DataView](#)[Ext.Direct Samples](#)[Misc Samples](#)

Combination Samples



Feed Viewer 2.0

RSS 2.0 feed reader sample application that features a swappable reader panel layout.

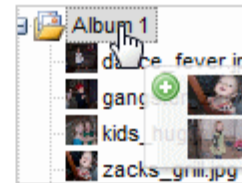
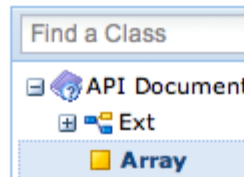


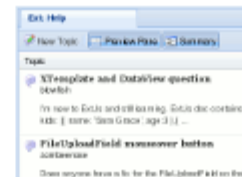
Image Viewer

DataView and TreePanel sample that demonstrates dragging data items from a DataView into a TreePanel.



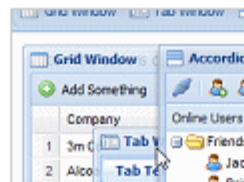
Ext JS API Documentation

API Documentation application.



Ext JS Forum Browser

Ext JS online forums browser application.



Web Desktop

Demonstrates how one could build a desktop in the browser using Ext components including a module plugin system.



Simple Tasks 2.0

Complete personal task management application sample that runs on [Adobe AIR](#).

Mootools

mootools

mootools Basics

Full CheatSheet for Javascript-
Framework mootools rev 1.2
by mediavog.net/blog/



Core

```
$chk(m)
$clear(timer n)
$defined(m)
$arguments(index n)
$empty
$lambda(a)
$extend(orig o, ext o)
$merge(o, o [, o [, ... ]])
$each(o [, a, fn [, o]])
$pick(o, [, o [, ... ]])
$random(min n, max n)
$sploot(a)
$time()
$try(fn [, fn [, ... ]])
$type(o)
element, textnode, number,
whitespace, function, date,
arguments, array, object, string,
boolean, regexp, class, collection,
window, document, false
```

Native: Class

```
new Class( props )
special properties:
  Extends: class
  Implements: class i props
  initialize: fn (=constructor)
  implement: class i props
```

Class.Extras

```
Class: Chain
new Class(Implements: Chain)
chain(fn [, fn [, ... ]])
callChain([args])
clearChain()
```

Class: Events

```
new Class(Implements: Events)
addEvent(s, fn [, internal b])
addEvent(s, fn [, internal b])
fireEvent(s[,args, delay ms])
removeEvent(s, fn)
removeEvent(s)
```

Class: Options

```
new Class(Implements: Options)
setOptions([opt])
```

Hash: Browser

Features

```
xpath
xhr
```

Engine

```
IE - trident[4 | 5]
FF - gecko
SFI - webkit[419 | 420]
OP - presto[925 | 950]
name
```

Plugins

```
Flash.version
Flash.build
```

Platform

```
mac, win, linux, ipod, other
name
```

Native: String

```
test(regex [, params])
escapeRegExp()
contains(s [, sep s])
trim()
clean()
camelCase()
hyphenate()
capitalize()
toInt(), toFloat()
rgbToHex(retAsArray b)
hexToRgb(retAsArray b)
stripScripts(evaluate b)
substitute(o [, regex])
```

Native: Function

```
create([opt])
pass([args [, o]])
attempt([args [, o]])
bind([o [, args [, o]])
bindWithEvent([o [, args [, o]])
delay([ms [, o [, args]])
periodical([ms [, o [, args]])
run([args [, o]])
```

Native: Event

```
new Event([e [, win]])
(shift, control, alt, meta, wheel,
code, page.x, page.y, client.x,
client.y, key, target, relatedTarget)
stop(), stopPropagation()
preventDefault()
```

Hash: Event.Keys

```
Event.Keys.eName = eKey
```

Native: Array

```
* each(fn(el,i) [, o])
* every(fn(el,i) [, o])
* filter(fn(el,i) [, o])
* indexOf(el [, from n])
* map(fn(el,i) [, o])
* some(fn(el,i) [, o])
* only if not supported natively
```

```
clean()
associate(a)
link(o)
contains(el)
extend(a)
getLast()
getRandom()
include(el)
combine(a)
erase(el)
empty()
flatten()
rgbToHex(retAsArray b)
```

Utility Functions

```
$A(a)
```

Native: Hash

```
new Hash( [props] )
each(fn(el,i) [, o])
has(key s)
keyOf(m)
hasValue(m)
extend(props)
combine(props)
erase(key s)
get(key s, val m)
empty()
include(key s, val m)
map(fn(el,i) [, o])
filter(fn(el,i) [, o])
filter(fn(el,i) [, o])
some(fn(el,i) [, o])
getClean()
getKeys()
getValues()
toQueryString()
Utility Functions
$( [props] ) > new Hash
```

Native: Number

```
toInt(), toFloat()
limit(min n, max n,
round([n]), times(fn [, o])
```

Element

Native: Window

```
$(el)
$$([el a | el i | el selector s])
any combination, commas
```

Native: Element

```
new Element(tag s [, opt])
opt = {
  "styles": setStyles,
  "events": addEvents,
  "anyProp": value
}
```

```
getElement(match)
getElements(match)
match(match)
getElementsById(s)
set(s, val i o)
get(s)
erase(s)
inject(el [, where s])
grab(el [, where])
adopt(el [, el a | el [, ... ]])
wraps(el [, where])
appendText(s)
dispose()
clone([childs b, keepId b])
replaces(el)
hasClass(s)
addClass(s)
removeClass(s)
toggleClass(s)
getPrevious([match])
getAllPrevious()
getNext([match])
getAllNext()
getFirst([match])
getLast([match])
getParent([match])
getParents()
getChildren([match])
hasChild(el)
empty()
destroy()
toQueryString()
getSelected()
getProperty(s)
getProperties(s [, s [, ... ]])
setProperty(s, val)
setProperties([s [, val [, ... ]])
removeProperty(s)
removeProperties(s [, s [, ... ]])
store(s, val)
retrieve(s)
```

Hash: Element.Properties

```
html, [htmlS [,htmlS [, ... ]]]
text, textString
tag (only getter)
```

Native: IFrame

```
new IFrame([el [, opt])
```

Native: Elements

```
new Elements(el a [, opt])
filter(sel s)
```

Element.Event

Native: Element

```
addEvent(e, fn)
removeEvent(e, fn)
addEvents([e,fn])
removeEvents([e])
fireEvent([e [, args, delay]])
cloneEvents([el [, e]])
```

Hash: Element.Events

```
Element.Events.eName = o
o = {
  base: e
  condition: fn
  onAdd: fn
  onRemove: fn
}
```

Custom Events

```
mouseenter
mouseleave
mousewheel
```

Element.Style

```
Native: Element
setStyle(s, val)
setStyles([s [, val [, ... ]])
getStyle(s)
getStyles([s [, s [, ... ]])
```

Element.Dimensions

Native: Element

```
scrollTo(x,y)
getSize()
getScrollSize()
getScroll()
getPosition()
getCoordinates()
```

```
o ~ Object
s ~ String
a ~ Array
n ~ Number
b ~ Boolean
e ~ Event
fn ~ Function
el ~ Element
el a ~ Array of el
m ~ mixed
```

```
[ ] ~ optional
| ~ choice / or
> ~ see also
ms ~ Milliseconds
opt ~ Options Obj
```

Selectors

Utility Functions

```
$(sel s, filter el)
$$S(sel s, filter el)
```

Native: Element

```
getElements(sel s)
getElement(sel s) > $E
match(sel s)
```

Selectors.Pseudo

```
:enabled, :empty
:contains(s)
:even, :odd, :first, :last, :only
:nth-child(nExp)
n - all, 2n - even, 2n+1 - odd
odd, even, only, first, last
```

Class: Swift

```
new Swift(path [, opt])
opt = {
```

```
id: s
width: n, height: n
container: el
params: swfParams
properties: o
vars: o
events: o
}
```

```
swfParams = {
```

```
allowScriptAccess: s
quality: s
swfLiveConnect: b
wMode: s
}
```

```
remote(o, fn)
```

Object: Cookie

```
write(key s, value s [, opt])
opt = {
```

```
domain: s
path: s
duration: n
secure: b
}
```

```
read(cookie s)
dispose(cookie s [, opt])
```

Object: JSON

```
JSON.encode(o)
JSON.decode(s [, secure b])
getWindowEvent: domready
domready
```

Class: Request

new Request([opt])

```
opt = {
  url: s
  method: post | get,
  data: s
  async: s (default: utf-8),
  encoding: s (default: utf-8),
  headers: {hdName:hdCont} o
  isSuccess: fn
  onRequest(fn)
  onSuccess(fn)
  onFailure(fn)
  onException(hdName, val)
  onCancel()
}
```

Properties

```
running, response
setHeader(name s, val s)
getHeader(name s)
send([opt])
cancel()
```

Hash: Element.Properties

```
send [, Request opt]
Native: Element
send(url s)
```

Class: Request.HTML

```
new Request.HTML([opt])
opt = { all opt from Request
update: el
evalScripts: b
evalResponse: b
onComplete([Tree, rElements, rJS])
}
```

```
get([opt], post([opt])
```

Hash: Element.Properties

```
load [, opt]
```

Native: Element

```
load(url s) > Rq.HTML.get
```

Class: Request.JSON

```
new Request.JSON([opt])
opt = { all opt from Request
secure: b
onComplete([JSON, text])
}
```

mootools Cheat Sheet v1.2
"Basics" by mediavog © 08

*FX/Plugins * available soon

Dojo



d = dojo, \$ = d.query

v1.3

ARRAYS

```
d.indexOf(array, value, fromIndex, findLast)
d.lastIndexOf(array, value, fromIndex)
d.forEach(arr, callback, thisObject)
d.every(arr, callback, thisObject)
d.some(arr, callback, thisObject)
d.map(arr, callback, thisObject)
d.filter(arr, callback, thisObject)
$('nodes').slice()
$('nodes').splice()
$('nodes').indexOf()
$('nodes').lastIndexOf()
$('nodes').every()
$('nodes').some()
$('nodes').concat(item)
$('nodes').map(func, obj)
$('nodes').forEach(callback, thisObj)
$('nodes').filter(simpleFilter)
$('nodes').at()
```

DOM MANIPULATION

```
d.clone(o)
d.body()
d.byId(id, doc)
d.destroy(node)
d.place(node, refNode, position)
d.create(nodeType, attrs, refNode, pos)
d.empty(node)
d.query(query, scope)
$('nodes').empty()
$('nodes').place(queryOrNode, position)
$('nodes').orphan(simpleFilter)
$('nodes').adopt(queryOrListOrNode, position)
$('nodes').query(queryStr)
$('nodes').addContent(content, position)
$('nodes').destroy()
$('nodes').clone()
```

DOM ATTRIBUTES

```
d.isDescendant(node, ancestor)
d.selectable(node, selectable)
d.marginBox(node, box)
d.contentBox(node, box)
d.coords(node, includeScroll)
d.hasAttr(node, name)
d.attr(node, name, value)
d.removeAttr(node, name)
$('nodes').attr()
$('nodes').coords()
$('nodes').val(value)
```

NOVELIST EVENTS

```
$('.nodes').onBlur(a, b)
$('.nodes').onFocus(a, b)
$('.nodes').onChange(a, b)
$('.nodes').onClick(a, b)
$('.nodes').onError(a, b)
$('.nodes').onKeyDown(a, b)
$('.nodes').onKeyPress(a, b)
$('.nodes').onKeyUp(a, b)
$('.nodes').onLoad(a, b)
$('.nodes').onMouseDown(a, b)
$('.nodes').onMouseEnter(a, b)
$('.nodes').onMouseLeave(a, b)
$('.nodes').onMouseMove(a, b)
$('.nodes').onMouseOut(a, b)
$('.nodes').onMouseOver(a, b)
$('.nodes').onMouseUp(a, b)
$('.nodes').onSubmit(a, b)
```

EFFECTS

```
new d._Animation()
d.fadeIn(args)
d.fadeOut(args)
d.animateProperty(args)
d.anim(node, properties, duration, easing,
onEnd, delay)
anim.duration
anim.repeat
anim.rate
anim.play(delay, gotoStart)
anim.pause()
anim.gotoPercent(percent, andPlay)
anim.stop(gotoEnd)
anim.status()
d._DocumentLifecycle
```

DOCUMENT LIFECYCLE

```
d.addOnLoad(obj, functionName)
d.addOnWindowUnload(obj, functionName)
d.addOnUnload(obj, functionName)
```

MISCELLANEOUS

```
d.config
d.locale
d.version
d.experimental()
d.deprecated()
d.baseUrl
```

DJCONFIG

```
djConfig.parseOnLoad
djConfig.requires
djConfig.isDebugEnabled
djConfig.debugAtAllCosts
djConfig.baseUrl
```

STYLES CSS

```
d.boxModel
d.getComputedStyle(node)
d.style(node, style, value)
d.hasClass(node, classStr)
d.addClass(node, classStr)
d.removeClass(node, classStr)
d.toggleClass(node, classStr, condition)
$('nodes').style()
$('nodes').addClass()
$('nodes').removeClass()
$('nodes').toggleClass()
```

OBJECTS OO

```
d.mixin(obj, props)
d.setObject(name, value, context)
d.getObject(name, create, context)
d.exists(name, obj)
d.extend(constructor, props)
d.hitch(scope, method)
d.delegate(obj, props)
d.partial(method)
d.declare(className, superclass, props)
$('nodes').instantiate(declaredClass, properties)
```

LANGUAGE HELPERS

```
d.eval(scriptFragment)
d.isString(it)
d.isArray(it)
d.isFunction(it)
d.isObject(it)
d.isArrayLike(it)
d.isAlien(it)
d._toArray(obj, offset, startWith)
d.trim(str)
new d.Deferred(canceller)
```

COLORS

```
new d.Color(color)
d.blendColors(start, end, weight, obj)
d.colorFromRgb(color, obj)
d.colorFromHex(color, obj)
d.colorFromArray(a, obj)
d.colorFromString(str, obj)
```

AJAX

```
d.xhr(method, args, hasBody)
d.xhrGet(args)
d.xhrPost(args)
d.rawXhrPost(args)
d.xhrPut(args)
d.rawXhrPut(args)
d.xhrDelete(args)
```

PACKAGE SYSTEM

```
d.require(moduleName, omitModuleCheck)
d.provide(resourceName)
d.platformRequire(modMap)
d.requireIf(condition, resourceName)
d.requireAfterIf(condition, resourceName)
d.registerModulePath(module, prefix)
d.requireLocalization(moduleName, bundleName, locale, availableFlatLocales)
d.moduleUrl(module, url)
d.load()
```

EVENT SYSTEM

```
d.connect(obj, event, context, method, dontFix)
d.disconnect(handle)
d.subscribe(topic, context, method)
d.unsubscribe(handle)
d.publish(topic, args)
d.connectPublisher(topic, obj, event)
d.fixEvent(evt, sender)
d.stopEvent(evt)
$('nodes').connect()
```

JSON

```
d.fromJson(json)
d.toJson(indentStr)
d.toJson(it, prettyPrint, _indentStr)
d.formToObject(formNode)
d.objectToQuery(map)
d.formToQuery(formNode)
d.formToJson(formNode, prettyPrint)
d.queryToObject(str)
```

ADVANCED SCOPE

```
d.global
d.doc
d.setContext(globalObject, globalDocument)
d.withGlobalGlobalObject(callback, thisObject, cbArguments)
d.withDoc(documentObject, callback, thisObject, cbArguments)
```

SNIFFING

```
d.isBrowser
d.isKhtml
d.isWebKit
d.isChrome
d.isMoz
d.isMozilla
d.isFF
d.isQuirks
```

KEY CONSTANTS

```
(d.keys.*)
BACKSPACE
TAB
CLEAR
ENTER
SHIFT
CTRL
ALT
PAUSE
CAPS_LOCK
ESCAPE
SPACE
PAGE_UP
PAGE_DOWN
END_HOME
LEFT_ARROW
UP_ARROW
RIGHT_ARROW
DOWN_ARROW
INSERT
DELETE
HELP
LEFT_WINDOW
RIGHT_WINDOW
SELECT
NUMPAD_0 NUMPAD_1
NUMPAD_2 NUMPAD_3
NUMPAD_4 NUMPAD_5
NUMPAD_6 NUMPAD_7
NUMPAD_8 NUMPAD_9
NUMPAD_MULTIPLY
NUMPAD_PLUS
NUMPAD_ENTER
NUMPAD_MINUS
NUMPAD_PERIOD
NUMPAD_DIVIDE F1 F2
F3 F4 F5 F6
F7 F8 F9 F10
F11 F12 F13
F14 F15
NUM_LOCK
SCROLL_LOCK
```

Kissy



[src files](#)

Seed

[kissy](#)

Core

[ua](#)
[dom](#)
[event](#)
[node](#)
[ajax](#)
[cookie](#)
[json](#)
[anim](#)

CSS

[cssreset](#)
[cssgrids](#)
[csscommon](#)

Utilities

[sizzle](#)
[datalazyload](#)
[flash](#)

Widgets

[switchable](#)
[overlay](#)
[suggest](#)
[imagezoom](#)
[calendar](#)

KISSY 是一个小巧灵活、简洁实用的 UI 类库，它希望使用者能愉悦编码、快乐开发。


这里是 KISSY 的文档，由开发者精心制作。赶快开始愉悦之旅吧。

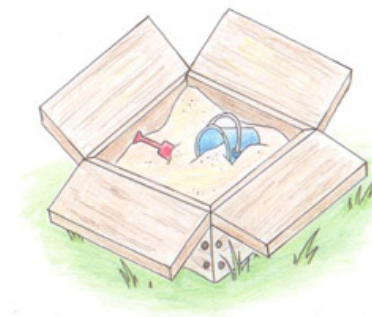
基本说明：[README](#)
开发流程：[workflow.html](#)

最新稳定版：

v1.1.5 2010-09-19 发布

[download](#) | [changelog](#)

 推荐正式项目使用该版本



下一个版本：

v1.2.0 预期将于 2010 年 11 月发布 [tasklist](#)

历史版本：

2010-08-02 [rls](#) 1.1.0 [tasklist](#)

兼容性：

IE9 beta
IE6 / IE7 / IE8
Firefox 3.6.†
Chrome 4.0.†
Safari 4.0.†
Opera 10.†

ComoJS

ComoJS

Como

Object

Class

Function

String

Array

Date

Selector & Como

Event

Cookie

Browser

Ajax & Ajax.Model

Anim

Pack

Other

Ing...

Como JS提供了对full版和only版的切换支持：

full版：对JS原生对象如String, Function, Array, Date, Object以及常用的Class和\$变量进行了扩展，如可以直接使用" abc ".trim(); \$("#test");

only版：没有对JS原生对象、Class, Object, \$进行扩展，所有对象函数都属于Como对象，故只能使用Como.String.trim(abc); Como("#test");
在使用String, Function, Array, Date等这些对象时，函数的第一个函数为String等这些对象，如Como.Function.bind(function(){}, this, arg1, arg2);

默认为full版，若您的网页中有其他JS框架，请选择only版；

如何定义版本，在Como JS的src地址上加上"?only"即可，如

```
<script type="text/javascript" src="/js/Como.1.0.js?only"></script>
```

Jquery与YUI详细比较


■ DEMO



<http://adamlu.com/Speech/jsframeworkdiff.html>

如何去写一款框架

- 写一个稳定的API
- 一个命名空间
- 不要扩展原生的对象
- 代码要容易被扩展
- 处理好浏览器兼容性问题
- 写好文档
- 测试你的框架



写适合自己的框架

- 分析业务需求
- 如何组织框架
- 实现底层库
- 实现UI库
- 实现扩展机制
- 兼容其它类库

总结

- 学习框架，但是不能依赖框架
- 根据项目需求选择/写 适合自己的框架
- **RIA**和**Mobile**框架需要前端工程师更深入去研究以及学习，我觉得将对以后的云计算和移动互联网开发有很多帮助

参考资料

- http://sixrevisions.com/javascript/promising_javascript_frameworks/
- <http://carlos.bueno.org/jq-yui.html>
- <http://www.webdesigntoolslist.com/2009/04/webmastertools/javascript-cheat-sheets-quick-reference-guides-for-javascript-webmasters-coders-web-developers-designers/>
- http://en.wikipedia.org/wiki/Comparison_of_JavaScript_frameworks
- <http://matthiasschuetz.com/javascript-framework-matrix/en/jquery>
- <http://www.ibm.com/developerworks/web/library/wa-jsframeworks/>



Q&A

Thanks!

Email:luchaowu@gmail.com

MSN:luchaowu@hotmail.com