

YUI: The Yahoo! User Interface Library

Web Builder 2.0 Las Vegas

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Slides

<http://nate.koechley.com/talks/2006/12/webbuilder/>

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WEBBuilder2.0

Talk Outline

- Why we build it.
- What we built.
- Why we gave it away.
- Why you might like it.

- Why we build it.
- What we built.
- Why we gave it away.
- Why you might like it.

A new season online



<http://flickr.com/photos/getthebubbles/107463768/>

WEBBuilder2.0

People **expect less** online...

WEBBuilder^{2.0}

...but we *are* online...

WEBBuilder^{2.0}

...and tied to the **browser**.

An aerial photograph of a lush green soccer field. White lines mark the boundaries and the center circle. The grass is vibrant green and appears well-maintained. The text is overlaid on the right side of the field.

So we must
level
the playing field.

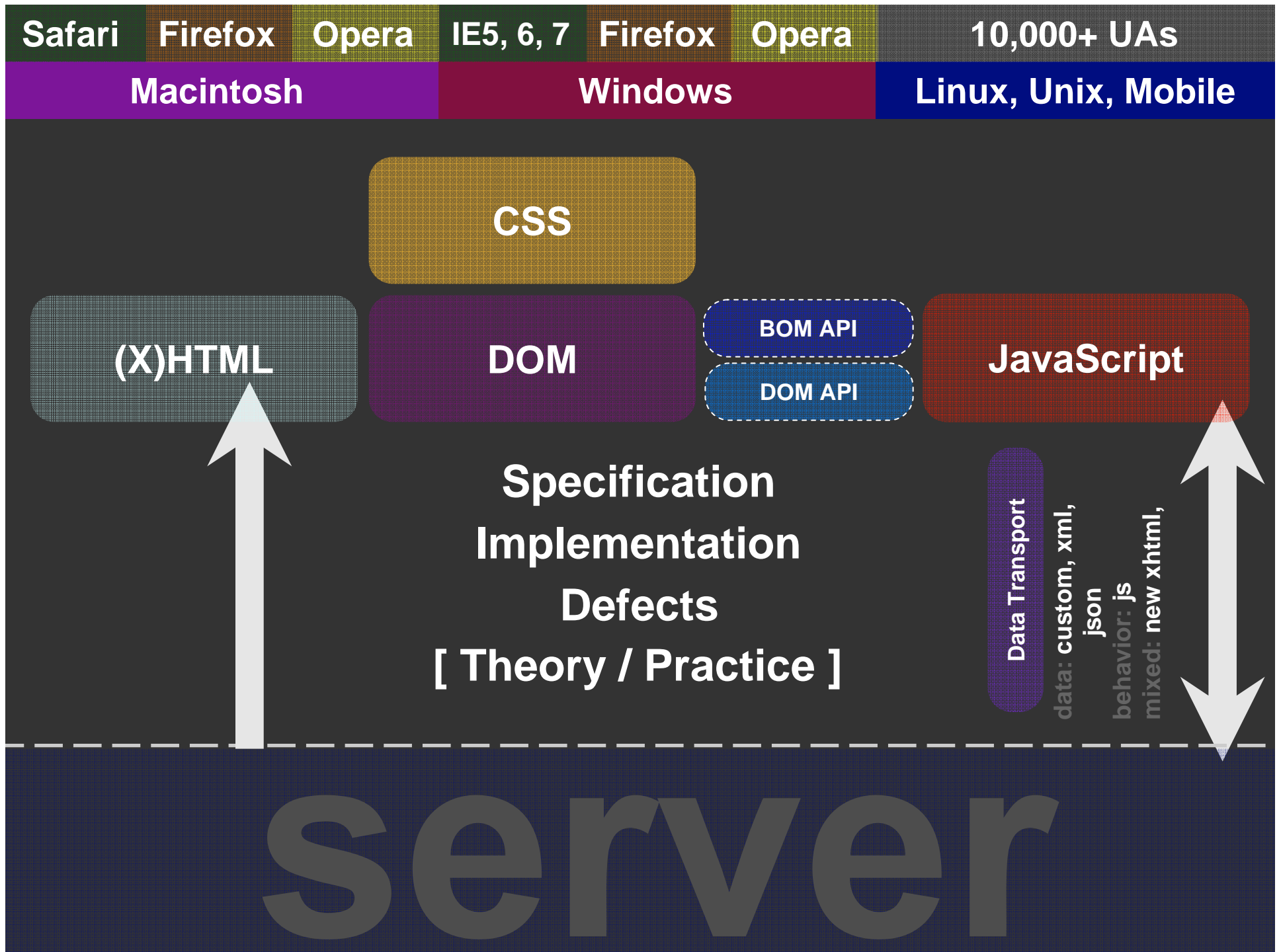
How?

WEBBuilder2.0



it takes 2 things

**1: We must
improve our technology.**



knowledge areas: 7

dimensions: x 4

platforms: x 3

browsers per platform: x 4

rendering modes: x 2

=672

**(see, we need a robust platform to
offer some sanity!)**

2: We must raise expectations

(so users **explore** and
feel comfortable)



DESIGN

DEVELOPMENT

<http://flickr.com/photos/niznoz/81087641/>

from Implementation
Models

{design}

to Mental Models

from Heterogeneous
Environments

{development}

to Consistent APIs &
Compelling Components



Improve technology to
raise expectations:

Nuts and Bolts

Six commitments to the platform

1]

Meet sites where
they are today

Facilitate incremental enhancement

"Transitional Internet Applications"

2]

Provide a broad inclusive
platform for Rich Internet
Application development.

a la carte

not a framework!

3]

Extensible and adaptive to
meet the need of diverse
product portfolio.

Lots of different contexts.

4]

Support all A-grade browsers.
Still a demanding challenge.

"Graded Browser Support"

5]
Support our scale and scope.

Yahoo-sized Problems

Industrial Grade

WEBBuilder^{2.0}

6]

Be responsive and accountable
to the community of designers
and developers.

Dedicated Team

Your Priority 1 bugs are our Priority 1 bugs.

- Why we build it.
- What we built.
- Why we gave it away.
- Why you might like it.

Alan Cooper's GUI design canon

A large, solid purple inverted triangle is centered on a dark gray background. The triangle's top edge is near the top of the slide, and its bottom vertex points towards the bottom center. The text 'Alan Cooper's GUI design canon' is written in white at the top of the triangle. In the bottom right corner of the slide, the text 'WEBBuilder2.0' is visible in a light gray font.

ctrl-c = copy,
ctr-z = undo

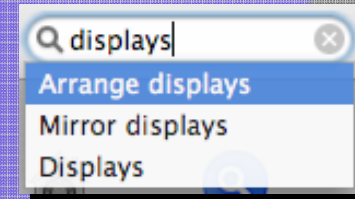
[idioms]



double-click,
right-click, select

[compounds]

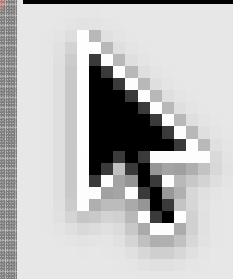
The relative importance of these metrics varies based on the type of search. For the sample search in which a few good documents are sufficient, precision outweighs recall. Most Google searchers, for example, want a few good results fast without sifting through false drops. Precision



click, drag,
keypress

[primitives]

```
Last login: Thu Mar 30 10:07:38 on console  
Welcome to Darwin!  
sharebeside-dm:~ miraglia$
```



WEB Builder 2.0

The Yahoo! User Interface Library

Tree Control

AutoComplete

Slider

Calendar Control

TabView

Menu Control

Logger Control

DHTML Windowing

Animation

Drag & Drop

Connection
Manager (Ajax)

Event Utility

Dom Collection

Loader

CSS Reset, Fonts, Grids

WEBBuilder2.0

Talk Outline

- Why we build it.
- What we built.
- Why we gave it away.
- Why you might like it.

More Bug Squashers

- First legit bug report within 24 hours of initial release.
- Bug Reports and Feature Requests:
http://sourceforge.net/tracker/index.php?func=detail&aid=1583846&group_id=165715

- Public is *adding value*
 - Jack Slocum
 - Dav Glass
 - Dustin Diaz
 - Ross Harmes

Jack Slocum (jackslocum.com)

- YAHOO.ext
- [A Grid Component for Yahoo! UI - Part 1](#)
 - [Creating an AJAX feed viewer using Yahoo! UI and the new Grid Component](#)
- [A SplitBar component for Yahoo! UI](#)
- [WordPress Comments System built with Yahoo! UI](#)
- [Resizable Reloaded - A reusable component for resizing elements](#)

Dav Glass (blog.davglass.com)

- Extensions
 - [YUI.Tools](#)
 - [YUI.Effects](#)
 - [YUI.Loader](#)
- Wizards:
 - [Yahoo! Grids Builder](#)

Dustin Diaz (dustindiaz.com)

- Screencasts
 - [YUI Basics and DOM Hijacking](#) (0:20)
 - [Ajax with Connection Manager](#) (0:25)
 - [Developing an Object Oriented Web Service](#) (0:45)
- Articles
 - [Forget addEvent, use Yahoo!'s Event Utility](#)
 - [JavaScript Publisher/Subscriber Pattern](#)
 - [Publishing Custom Events in JavaScript](#)
 - [YUI Tetris!](#)
- Interviews/Podcasts
- Prototypes

Ross Harmes

```
YAHOO.util.Motion.prototype = new YAHOO.util.Anim();
YAHOO.util.Motion.prototype.initMotion = function(el, attributes, duration, method) {
  YAHOO.util.Anim.call(this, el, attributes, duration, method);
}
```

YAHOO! USER INTERFACE BLOG

News and Articles about Designing and Developing with Yahoo! Libraries.

[Blog](#) [About](#)

Screencast: Ross Harmes's YUI Bundle for Textmate

November 30, 2006 at 5:27 pm by Eric Miraglia | In Development |

Ross Harmes is a frontend engineer who works in the *Yahoo! Small Business* group. Ross recently released a YUI "bundle" for the Mac OS X code editor *TextMate*; the bundle provides syntax highlighting, code completion, and integrated documentation retrieval within *TextMate*. He stopped by the YUI team offices today to show us how it works, and he was kind enough to let us capture that information in the form of a short (~9 minute) screencast.



Related URLs:

SYNDICATE

All Entries:

[+ MY YAHOO!](#) [RSS](#)

All Comments:

[+ MY YAHOO!](#) [RSS](#)

RECENT POSTS

[Screencast: Ross Harmes's YUI Bundle for Textmate](#)

[Performance Research, Part 1: What the 80/20 Rule Tells Us about Reducing HTTP Requests](#)

[Video: Douglas Crockford, "Advanced JavaScript"](#)

[Graded Browser Support: Q4 Update](#)

[YUI version 0.12.0: TabView Control, Improved API Documentation, and More](#)

Yahoo! Developer Network:

“You bring the skills. We bring the ingredients.”

The background of the image is a solid black field. Overlaid on this are several thick, wavy, ribbon-like shapes in a light purple or lavender color. These shapes are arranged in a way that they appear to be flowing or swirling around the central text. The edges of these shapes are slightly blurred, giving them a soft, ethereal quality. The overall composition is abstract and modern.

YUI

The Yahoo! Developer Network Ecosystem: Utility and Data Web Services

Services

[Browser Based Authentication \(BBAuth\)](#), [Answers](#),
[Local](#), [Maps](#), [Photos](#), [Search](#), [Shopping](#), [Travel](#),
[Utilities](#), Mail

Hackable Sites

[del.icio.us](#), [Flickr](#), [Upcoming.org](#), [Webjay](#)

Burnable Feeds

[Finance](#), [HotJobs](#), [RSS Feeds](#), [Traffic](#), [Weather](#)

SDKs

[Messenger](#), [Music](#), [Search Developer Kit](#), [Widgets](#)

Developer Centers

[JavaScript](#), [Flash](#), [.NET](#), [PHP](#), [Python](#), [Ruby](#)

WEBBuilder2.0

The Yahoo! Developer Network Ecosystem: Design Patterns

YAHOO! DEVELOPER NETWORK

Design Pattern Library

Yahoo! Developer Network > Design Pattern Library

USER NEEDS TO

▼ NAVIGATE

[Breadcrumbs](#)

▶ [Faceted Navigation](#)

[Fly-out Menus](#)

[Horizontal Bar](#)

[Hub and Spoke](#)

[Left Navigation](#)

▼ [Tabs](#)

[Module Tabs](#)

[Navigation Tabs](#)

▼ EXPLORE DATA

[Auto Complete](#)

[Calendar Picker](#)

▼ [Pagination](#)

[Item Pagination](#)

[Search Pagination](#)

▶ ORGANIZE DATA

▼ GIVE FEEDBACK

Welcome

Welcome to the Yahoo! Design Pattern Library. You're looking at the second of many periodic releases, many of which include pointers to the [Yahoo! User Interface Library](#) code. We're thrilled to be sharing patterns and code with the design and development community, hope it's useful, and look forward to your [feedback](#).

What's a Pattern?

A pattern describes an optimal solution to a common problem within a specific context. [more...](#)

Recent Patterns [see all...](#)



Animate Transition
Designer needs to communicate that an object is changing its spatial relationship within the page.



Collapse Transition
The designer needs to communicate that an object is no longer of primary importance, yet wants to keep it available in a smaller...



Dim Transition
Designer needs to communicate that an object is of secondary importance.

WEBBUILDER 2.0

The Yahoo! Developer Network Ecosystem: Design Patterns

YAHOO! DEVELOPER NETWORK

Design Pattern Library

[Yahoo! Developer Network](#) > [Design Pattern Library](#) > Auto Complete

Auto Complete

Problem Summary

The user needs to enter an item into a text box which could be ambiguous or hard to remember and therefore has the potential to be mis-typed.

EXAMPLE:

The screenshot shows the 'Compose' window in Yahoo! Mail Beta. The 'To:' field contains the text 'yu'. A dropdown menu is open, showing three suggestions: 'Yusef Jones <yusef@somewhere.com>', 'Yusef Smith <yusefs@someplace.org>', and 'yui blogger <yuiblogger@yahoo.com>'. The 'Cc:' field is empty. The 'Subject:' field contains 'yui blogger <yuiblogger@yahoo.com>'. The 'Show BCC' button is visible. The 'Plain Text' button is also visible. The text area contains 'Hello.' and a 'Play' button.

Auto completion of contacts in Yahoo! Mail Beta

QUICK JUMP

- [Solution](#)
- [Rationale](#)
- [Accessibility](#)

RELATED PATTERNS

- [Button Sequence](#)
- [Chooser](#)
- [Input Guidance](#)

AS USED ON YAHOO!

- [Yahoo! Mail Beta](#)
- [Yahoo! Maps Beta](#)
- [Yahoo! My Web 2](#)

BLOG

- [Blog Article](#)

Y! UI CODE EXAMPLES

- [Auto Complete Component](#)

The Yahoo! Developer Network Ecosystem: Design Patterns

Hello.

Auto completion of contacts in Yahoo! Mail Beta

Use When

- The suggestions can be pulled from a manageable set of data.
- The input item can be entered in multiple ways.
- The input item can be matched with a specific data item in the system.
- Speed and accuracy of entry is an important goal.
- The total number of items would be too large or inconvenient for displaying in a standard drop down box.

Solution

Layout

- Use a standard text box for input.
- Label the text box to match the user's expectation of what field will be searched against.

Interaction

- As the user types, display a list of suggested items that most closely match what the user has typed. Continue to narrow or broaden the list of suggested items based on the user's input.
- Display the suggested items list in a drop down box directly underneath the text box. The suggested items list may be based on the complete set of data or more narrowly based on other criteria such as each item's frequency of use.
- When available, show multiple fields of information for each suggested item. In the

Y! UI CODE EXAMPLES

- [Auto Complete Component](#)
- [Y! Search \(JSON\)](#)
- [Y! Search \(XML\)](#)
- [In-Memory \(array\)](#)
- [In-Memory \(function\)](#)
- [Flickr \(XML\)](#)
- [Flat data](#)
- [Playground](#)

[Show with revisions](#)



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The Yahoo! Developer Network Ecosystem: Browser Support Guidelines



Yahoo! UI Library: Graded Browser Support

Yahoo! UI Library

- Home
- YUIBlog
- YUI Discussion Forum
- YUI on Sourceforge
- API Documentation
- Examples & Implementations
- YUI Theater

YUI Articles

Graded Browser Support

- Table of A-Grade Browsers

YUI Components

- Animation
- AutoComplete
- Calendar
- Connection Manager
- Container
- Dom
- Drag & Drop
- Event
- Logger
- Menu
- Slider
- TabView
- TreeView

Graded Browser Support

By Nate Koechley
Senior Front-End Engineer
Yahoo! Inc.
February 13, 2006

In the first 10 years of professional web development, back in the early '90s, browser support was binary: Do you — or don't you — support a given browser? When the answer was "No", user access to the site was often actively prevented. In the years following IE5's release in 1998, professional web designers and developers have become accustomed to asking at the outset of any new undertaking, "Do I have to support Netscape 4.x browsers for this project?"

By contrast, in modern web development we must support *all* browsers. Choosing to exclude a segment of users is inappropriate, and, with a "Graded Browser Support" strategy, unnecessary.

Graded Browser Support offers two fundamental ideas:

- A broader and more reasonable definition of "support."
- The notion of "grades" of support.

What Does "Support" Mean?

Support does not mean that everybody gets the same thing. Expecting two users using different browser software to have an identical experience fails to embrace or acknowledge the heterogeneous essence of the Web. In fact, requiring the same experience for all users creates a barrier to participation. Availability and accessibility of content should be our key priority.

der2.0

The Yahoo! Developer Network Ecosystem: Browser Support Guidelines



Yahoo! UI Library: Table of A-Grade Browsers

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- YUI Theater

YUI Articles

- Graded Browser Support

- Table of A-Grade Browsers**

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- Event
- Logger
- Menu
- Slider
- TabView
- TreeView

A-Grade Browser Support Chart

This chart lists all browsers that receive A-Grade support as defined by [Graded Browser Support](#).

	Win 98	Win 2000	Win XP	Mac 10.3.x	Mac 10.4
IE 7.0			A-grade		
IE 6.0	A-grade	A-grade	A-grade		
Firefox 2.0.*	A-grade	A-grade	A-grade	A-grade	A-grade
Firefox 1.5.*	A-grade	A-grade	A-grade	A-grade	A-grade
Opera 9.*	A-grade	A-grade	A-grade	A-grade	A-grade
Safari 2.0*					A-grade

Changes

Primary Changes

1. REITERATION of A-Grade support, IE 7, Win
2. TERMINATION of A-Grade support, IE 5.5, Win
3. INITIATION of A-Grade support, Firefox 2.x, Win/Mac
4. TERMINATION of A-Grade support, Firefox 1.0.x, Win/Mac

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Yahoo! UI Library (YUI)

Yahoo! UI Library

Home

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YUI Components

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[Drag & Drop](#)
[Event](#)
[Logger](#)
[Menu](#)
[Slider](#)
[TabView](#)
[TreeView](#)
[YAHOO Global Object](#)
[Reset CSS](#)

Yahoo! User Interface Library

The Yahoo! User Interface (YUI) Library is a set of utilities and controls, written in JavaScript, for building richly interactive web applications using techniques such as DOM scripting, DHTML and AJAX. The YUI Library also includes several core CSS resources. All components in the YUI Library have been released as open source under a [BSD license](#) and are free for all uses. [Download](#) the entire library, its documentation and examples from Sourceforge.

The library's developers blog [at the YUI Blog](#) and the YUI Library community exchanges ideas at [YDN-JavaScript on Yahoo! Groups](#).

On This Page:

[Getting Started](#)
[Licensing](#)
[Download](#)
[Components](#)
[Design Patterns](#)
[Articles](#)
[Cheat Sheets](#)
[Support & Community](#)

Searchable API Documentation **NEW!**

API docs are available for every YUI component. You can search the API

YUI Library Utilities:

[The YAHOO Global Object](#)
[Event Utility](#)
[DOM Collection](#)
[Connection Manager](#)
[Drag and Drop Utility](#)
[Animation Utility](#)

YUI Library CSS

Tools:
[CSS Grids](#)
[CSS Fonts](#)
[CSS Reset](#)

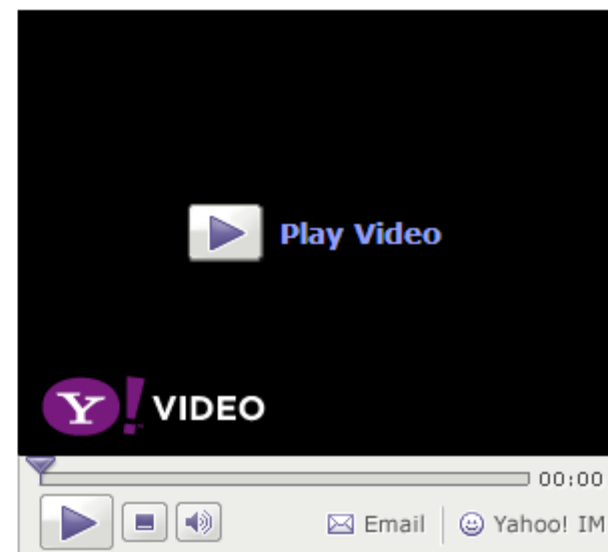
YUI Library Controls:

[AutoComplete](#)
[Calendar](#)
[Container \(including \[Module\]\(#\), \[Overlay\]\(#\), \[Panel\]\(#\), \[Tooltip\]\(#\), \[Dialog\]\(#\), \[SimpleDialog\]\(#\)\)](#)
[Logger](#)
[Menu](#)
[Slider](#)
[TabView **NEW!**](#)
[TreeView](#)

YUI Theater:

[\[more videos\]](#)

Matt Sweeney, "Web 2.0: Getting It Right the Second Time"



YUI developer Matt Sweeney delivers a talk on frontend architecture for Web 2.0 at Yahoo!'s [Open Hack Day](#). (Visit [Yahoo! Video](#) for the full-format version.)

Yahoo! User Interface Blog **RSS**

[Graded Browser Support: Q4 Update](#)

Nate Koechley 11/15/2006 1:42 AM

**A rising tide
lifts all boats**

Talk Outline

- Why we build it.
- What we built.
- Why we gave it away.
- Why you might like it.

If it's good enough for Yahoo...

- Scalability, Performance,
Distributed Development,
Internationalization,
Accessibility, Design, Usability

User Experience Designers

- Design-Engineering Collaboration
- Usability Studies and Research
- Has tools for designers too:
 - Grids for fast page layout
 - Interesting Moments Matrics**

Drag and Drop Interaction Storyb

Property:

ID:

	Page Load	Mouse Hover	Mouse Down	Drag Initiated	Drag Leaves Original Location	Drag Re-Enters Original Location	Drag Enters Valid Target	Drag Exits Valid Target	Drag Enters Specific Invalid Target	Inv
Page	drag invitation									
Cursor	normal	dragability grabbable area	selected						drop will be invalid	
Tool Tip		dragability grabbable area								
Drag Object	normal	dragability grabbable area	selected					valid or dragging on drag has nothing to target.	drop will be invalid	drop as invalid, what he proceeds and the
Drag Object's Parent Container	normal	dragability grabbable area	selected	dragging	dragging	dragging				draggin
Drop Target	normal		drop invitation	drop invitation; possibly starts in neutral state (not valid/invalid) while drag is positioned over drag object's original location	drop will lose its neutral state, if one has been assigned, becoming explicitly valid or invalid	drop will be invalid or neutral; a distinct treatment for original location may be needed so that visual messaging doesn't signal that the drop's origin is not valid	drop will be valid	any highlighting of target should be removed or an invalid off to reflect that the drag's focus has left this target.	drop will be invalid	any time this is sp (e.g. at why the should animate
	What does the page contain to indicate drag and drop?	What happens when the mouse hovers over the draggable object?	What happens when the mouse is pressed on the draggable object but dragging has not initiated?	What happens when drag starts?	What happens when the drag leaves its original location?	What happens when the drag object, having been dragged away from its original location, is dragged back to that location? (E.g., a neutral state can resume, or the original location can be treated as a valid or invalid drop target.)	What happens when I drag over a valid drop target?	What happens when the drag leaves a valid target? (E.g., that target is highlighting turns off or animates off.)	What happens when I drag over an invalid drop target?	What happens when I drag over an invalid drop target?

What happens when the mouse is pressed on the draggable object but dragging has not initiated?

Internationalization Baked In

YAHOO! TRAVEL JAPAN  Yahoo! JAPAN - ヘルプ 

こんにちは、ゲストさん [ログイン](#)

Yahoo!トラベル 海外航空券予約   

[トップ](#) > [海外航空券予約](#) > [アメリカ、カナダ](#) > [アメリカ合衆国](#) > [ヒューストン](#)

[PR] [癒しのニュージーランド旅行で豪華賞品&ボーナスマイルをゲット!](#)

出発日別最安料金検索 出発日(当月を含む6か月以内)を選択すると、選択された出発日の前後3日間の最安料金を検索できます。

2005年 10月 23日 

このリストから条件を指定して絞り込む

- ・ 出発地:
- ・ 料金: 円以上 円未満
- ・ 座席クラス: ☐ エコノミー ☐ ビジネス
- ・ 旅行形態: ☒ 往復(帰国便変更不可) ☐ 片道
- ・ その他の条件: ☐ 直行便 ☐ カード決済可能
会、予約可能

日付を選びなさい

10月 2006							11月 2006						
月	火	水	木	金	土	日	月	火	水	木	金	土	日
25	26	27	28	29	30	1	30	31	1	2	3	4	5
2	3	4	5	6	7	8	6	7	8	9	10	11	12
9	10	11	12	13	14	15	13	14	15	16	17	18	19
16	17	18	19	20	21	22	20	21	22	23	24	25	26
23	24	25	26	27	28	29	27	28	29	30	1	2	3
30	31	1	2	3	4	5	4	5	6	7	8	9	10

Accessibility Baked In

- Victor Tsaran
 - Accessibility Program Manager
- Close Collaboration with various a11y groups and advocates.
- More goodness to come...

Browser Support Baked In

- “Set it and forget it”
- We collaborate with all browser vendors
- Graded Browser Support
- Opera “for free”, even mobile!

Senior Architectural Leadership

- Douglas Crockford:
 - “Yoda of lambda programming and JavaScript” according to Brendan Eich (Inventor of JavaScript)
- Rasmus Lerdorf
 - Inventor of PHP

Acclaimed Documentation

- Documentation for you, regardless of level or work style:
 - Overviews and Quick Start Guides
 - Tutorials and Step-by-Steps
 - Generated API Docs
 - Cheatsheets – for every component!
 - Mailing list
 - Bundles: TextMate, VIM, Eclipse, Aptana

Landing Page Quick Start Guides

Maximum Results Displayed

When query results return, an HTML unordered list element () of up to ten items (elements) are rendered into the container that you specify. If fewer than ten results are returned, the container's element will only have that number of elements. Keep in mind that the height, width, and other style characteristics of the container are determined by CSS. You may use the following code to change the maximum number of elements that may populate the element:

[view plain](#) | [print](#) | ?

```
1 // Display up to 20 results in the container
2 myAutoComp.maxResultsDisplayed = 20;
```

Minimum Query Length

By default, as soon as a user starts typing characters into the input element, the AutoComplete control starts batching characters for a query to the DataSource. You may increase how many characters the user must type before triggering this batching, which can help reduce load on a server, especially if the first few characters of the input string will not produce meaningful query results. A value of 0 will enable null or empty string queries, which is particularly useful in conjunction with the Always Show Container feature. A negative number value will effectively turn off the widget.

[view plain](#) | [print](#) | ?

```
1 // Require user to type at least 3 characters before triggering a query
2 myAutoComp.minQueryLength = 3;
```

Query Delay

Complete API Documentation

Modules

[animation](#)
[autocomplete](#)
[calendar](#)
[connection](#)
[container](#)
[dom](#)
[dragdrop](#)
[event](#)
[logger](#)
[menu](#)
[slider](#)
[tabview](#)
[treeview](#)
[yahoo](#)

Classes

[YAHOO.widget.AutoComplete](#)
[YAHOO.widget.DataSource](#)
[YAHOO.widget.DS_JsArray](#)
[YAHOO.widget.DS_JsFunction](#)
[YAHOO.widget.DS_XHR](#)

Files

[AutoComplete.js](#)
[DataSource.js](#)

Class YAHOO.widget.AutoComplete

The AutoComplete class provides the customizable functionality of a plug-and-play DHTML auto completion widget. Some key features:

- Navigate with up/down arrow keys and/or mouse to pick a selection
- The drop down container can "roll down" or "fly out" via configurable animation
- UI look-and-feel customizable through CSS, including container attributes, borders, position, fonts, etc

Constructor

YAHOO.widget.AutoComplete (`elInput` , `elContainer` , `oDataSource` , `oConfigs`)

Parameters:

`elInput` <HTMLElement> DOM element reference of an input field.
`elInput` <String> String ID of an input field.
`elContainer` <HTMLElement> DOM element reference of an existing DIV.
`elContainer` <String> String ID of an existing DIV.
`oDataSource` <Object> Instance of YAHOO.widget.DataSource for query/results.
`oConfigs` <Object> (optional) Object literal of configuration params.

Properties

`_aListItems` - private Array

Array of elements references that contain query results within the results container.

`_bContainerOpen` - private Boolean

Whether or not the results container is currently open.

Examples and Tutorials

YAHOO! USER INTERFACE LIBRARY

YUI Container: PhotoBox: Subclassing Panel

Subclassing Panel to Create PhotoBox

Container classes can be subclassed to create all kinds of rich custom controls. The PhotoBox, which we will build in this tutorial, is an example of how Panel can be subclassed and styled to create a basic popup photo viewer with back and forward navigational controls.

The first step to subclassing the Panel is writing the constructor for the new subclass (PhotoBox, in this case) and specifying its inheritance from the Panel class using `YAHOO.extend`:

view plain | print | ?

```
1 // BEGIN PHOTOBX SUBCLASS //
2 YAHOO.widget.PhotoBox = function(e1, userConfig) {
3     if (arguments.length > 0) {
4         YAHOO.widget.PhotoBox.superclass.constructor.call(this, e1, userConfig);
5     }
6 }
7
8 // Inherit from YAHOO.widget.Panel
9 YAHOO.extend(YAHOO.widget.PhotoBox, YAHOO.widget.Panel);
```

 ☒ Linked to my nickname as [natekoechley](#) Tags:

Next, we will define a few constants for use by the PhotoBox class: "CSS_PHOTOBX", which defines the CSS class to apply to the Panel, and "NAV_FOOTER_HTML", the HTML that will be used for the footer navigation.

view plain | print | ?

```
1 // Define the CSS class for the PhotoBox
2 YAHOO.widget.PhotoBox.CSS_PHOTOBX = "photobox";
```

YUI Container: Tutorials

[Module: Quickstart](#)

[Overlay: Quickstart](#)

[Tooltip: Quickstart](#)

[Tooltip: One Tooltip, Many Elements](#)

[Panel: Quickstart](#)

[Panel: Advanced Skinning using CSS](#)

[Panel: Creating a 'Loading' Popup](#)

PhotoBox: Subclassing Panel

Subclassing Panel to Create PhotoBox

Functional Example

[ResizePanel: Creating a Resizable Panel](#)

[Dialog Quickstart](#)

[SimpleDialog Quickstart](#)

[Using ContainerEffect](#)

[Using OverlayManager](#)

[Using KeyListener](#)

WEBBUILDER 2.0

The YUI Cheat Sheets

YUI Library: Animation

v0.10

Simple Use Case

Interesting Moments in Animation

YAHOO.util.Anim:
Properties

attributes (obj)
currentFrame (int)
defaultUnit (str)
defaultUnits (obj)
duration (num)
easingFunction (int)
easingSeconds (int)

YAHOO.util.Anim:
Methods

animate()
cancel()
startTime()
stopTime()
update()

using Effects

using a YAHOO.util.Easing

YUI Library: Drag & Drop

v0.10

Simple Use Case: Making an Element Draggable

Interesting Moments in Drag & Drop

Moment Point Mode Intersect Mode Event (el)

Drag & Drop Manager:

Properties

clickPixelThreshold (int)
clickTimeThreshold (int)
mode (either
YAHOO.util.DragDropMgr
POINT or INTERSECT)
preventDefault (b)
stopPropagation (b)
useCache (b)

Drag & Drop Manager:

Methods

allowReleaseOfDraggingObject
cancelReleaseOfDraggingObject

getBestMatch (int)
getDOMById (id)
getLocation (id)
getRelated (id, b)
registerOnly (b)
isDragDrop (id)
isHandler (DOM, s)
isHandled (id)
isLegalTarget (id, o, o, o)
isLocked (b)
lock (b)
refreshCache (b)
swapNode (b)
unlock (b)

Dom Node Properties:

attributes
childNodes
className
disabled
firstChild
id
innerHTML
lastChild
nextSibling
nodeType
nodeName
nodeValue
offsetHeight
offsetWidth
parentNode
previousSibling
tagName

Note: These are not exhaustive lists.

YUI Library: Dom Collection

Methods Reference

Methods Reference continued

v0.10

Useful Dom Methods:

appendChild()
click()
cloneNode()
contains()
createElement()
createTextNode()
focus()
getAttribute()
getElementById()
getElementsById()
getElementsByName()
hasAttribute()
hasChildNodes()
insertBefore()
removeAttribute()
removeChild()
replaceChild()
scrollIntoView()
setAttribute()
setInterval()
setTimeout()

v0.10

Methods

Key methods of
YAHOO.util.
Connect (b)
Transaction (obj)
abort (o)
asyncRequest()
initHeader (b)
string label (b)
string value (b)
isCallInProgress (b)
setFormFormat (b)
setPollingInterval (int)
setProp (id)

HTTP Status Codes

200 Successful
300 Redirection
400 Client error
500 Server error

DOM Event Object

Properties & Methods:

altKey (b)
bubbles (b)
button (b)
cancelable (b)
cancelBubble (b)
ctrlKey (b)
ctrlKey (b)
currentTarget (el)
detail (b)
eventPhase (b)
keyCode (b)
keyChar (b)
metaKey (b)
pageX (b)
pageY (b)
preventDefault()
relatedTarget (el)
screenX (b)
screenY (b)
shiftKey (b)
stopPropagation()
target (el)
timestamp (long)
type (b)

YUI Library: Connection Manager

Simple Use Case

Response Object

v0.10

Methods

Key methods of
YAHOO.util.
Connect (b)
Transaction (obj)
abort (o)
asyncRequest()
initHeader (b)
string label (b)
string value (b)
isCallInProgress (b)
setFormFormat (b)
setPollingInterval (int)
setProp (id)

HTTP Status Codes

200 Successful
300 Redirection
400 Client error
500 Server error

DOM Event Object

Properties & Methods:

altKey (b)
bubbles (b)
button (b)
cancelable (b)
cancelBubble (b)
ctrlKey (b)
ctrlKey (b)
currentTarget (el)
detail (b)
eventPhase (b)
keyCode (b)
keyChar (b)
metaKey (b)
pageX (b)
pageY (b)
preventDefault()
relatedTarget (el)
screenX (b)
screenY (b)
shiftKey (b)
stopPropagation()
target (el)
timestamp (long)
type (b)

YUI Library: Event Utility & Custom Event

v0.10

Simple Use Case: Adding Event Listeners

YAHOO.util.Event.addListener(*myDiv*, "click", *fnCallback*);
Adds the function *fnCallback* as a listener for the click event on an HTML element whose id attribute is *myDiv*.

Invocation (addListener)

YAHOO.util.Event.addListener(*src* | *el* | *ref* | *src* | *target*(*el*), *src* | *event*, *fn* | *callback*(*obj*), *obj* | *associated object*, *b* | *scope*);

Arguments:
(1) Element or elements: You may pass a single element or group of elements in an array, references may be id strings or direct element references.
(2) Event: A string indicating the event ('click', 'keypress', etc.).
(3) Callback: The function to be called when the event fires.
(4) Associated object: Object to which your callback will have access; often the callback's parent object.
(5) Scope: Boolean — if true, the callback runs in the scope of the associated object.

Event Utility Solutions

Using onAvailable:
fnCallback = function() { //will fire when element becomes available
YAHOO.util.Event.onAvailable(*myDiv*, *fnCallback*);
Using Event's convenience methods:
fnCallback = function(*el*, *obj*) {
myTarget = YAHOO.util.Event.getTarget(*el*);
//2nd argument tells Event to resolve text nodes
YAHOO.util.Event.addListener(*myDiv*, "mouseover", *fnCallback*, *obj*);
Prevent the event's default behavior from proceeding:
YAHOO.util.Event.preventDefault(*el*);
Remove listener:
YAHOO.util.Event.removeListener(*myDiv*, "mouseover", *fnCallback*);

Dependencies

Event requires the YAHOO object.

Simple Use Case: Custom Event

myEvt = new YAHOO.util.CustomEvent('my event');
mySubscriber = function(*type*, *args*) {
alert(*args*[0]); //alerts the first argument
myEvt.subscribe(*mySubscriber*);
myEvt.fire("hello world");
Creates a new Custom Event instance and a subscriber function. The subscriber is set to listen to the Custom Event and alert the first argument, "hello world", when the event is fired.

Constructor (Custom Event)

YAHOO.util.CustomEvent(*str* | *event name*, *obj* | *scope* | *obj*);

Arguments:
(1) Event name: A string identifying the event.
(2) Scope object: The default scope in which subscribers will run; can be overridden in subscribe method.

Subscribing to a Custom Event

myEvt.subscribe(*fn* | *callback*, *obj* | *associated object*, *b* | *scope*);

Arguments:
(1) Callback: The function to be called when the event fires.
(2) Associated object: Object to which your callback will have access; often the callback's parent object.
(3) Scope: Boolean — if true, the callback runs in the scope of the associated object.

Your callback gets three arguments:

(1) Type: The type of Custom Event, a string.
(2) Arguments: All arguments passed in during *fire*, as an array.
(3) Associated object: The associated object passed in during *subscribe*, if present.

DOM Events

Mouse Events: click, dblclick, mousedown, mouseover, mouseup, mousemove
Keyboard Events: keydown, keypress, keyup
HTML Events: load, unload, abort
error, select, change, submit, reset, resize, scroll, blur

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Description [\(Edit\)](#)

YDN-JavaScript is a discussion group for the [Yahoo! User Interface Library](#) community working with YUI to build rich internet applications that work robustly [across all modern web browsers](#). Use this group to the YUI Library, its components, and their use with other YUI users; use the [YUI Library's SourceForge Project](#) to document specific bugs and feature requests. You can catch up with additional YUI news at the [YUIBlog](#). See the [the YUI website](#) on the [Yahoo! Developer Network](#) for documentation and code samples.



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Re: How can I make year selection?

Moin, Thanks for the question. It's come up from time to time that the default Calendar Control UI does not support year selection – just month-by-month

Posted - Tue Dec 5, 2006 1:20 pm

[Eric Miraglia](#)

[ericmiraglia](#)

[Send IM](#)

[Send Email](#)

[Invite to Yahoo! 360°](#)

WEBBuilder2.0

Stability and Dedication

- Dedicated team of full-time developers.
- You can use the **exact same lines of code** Yahoo does.

We're Good "Page Citizens"

- "Plays well with others"
 - Single global variable
 - Consistent namespace
 - `var $ = YAHOO.util.Dom.get;`
 - Can coexist with other libs

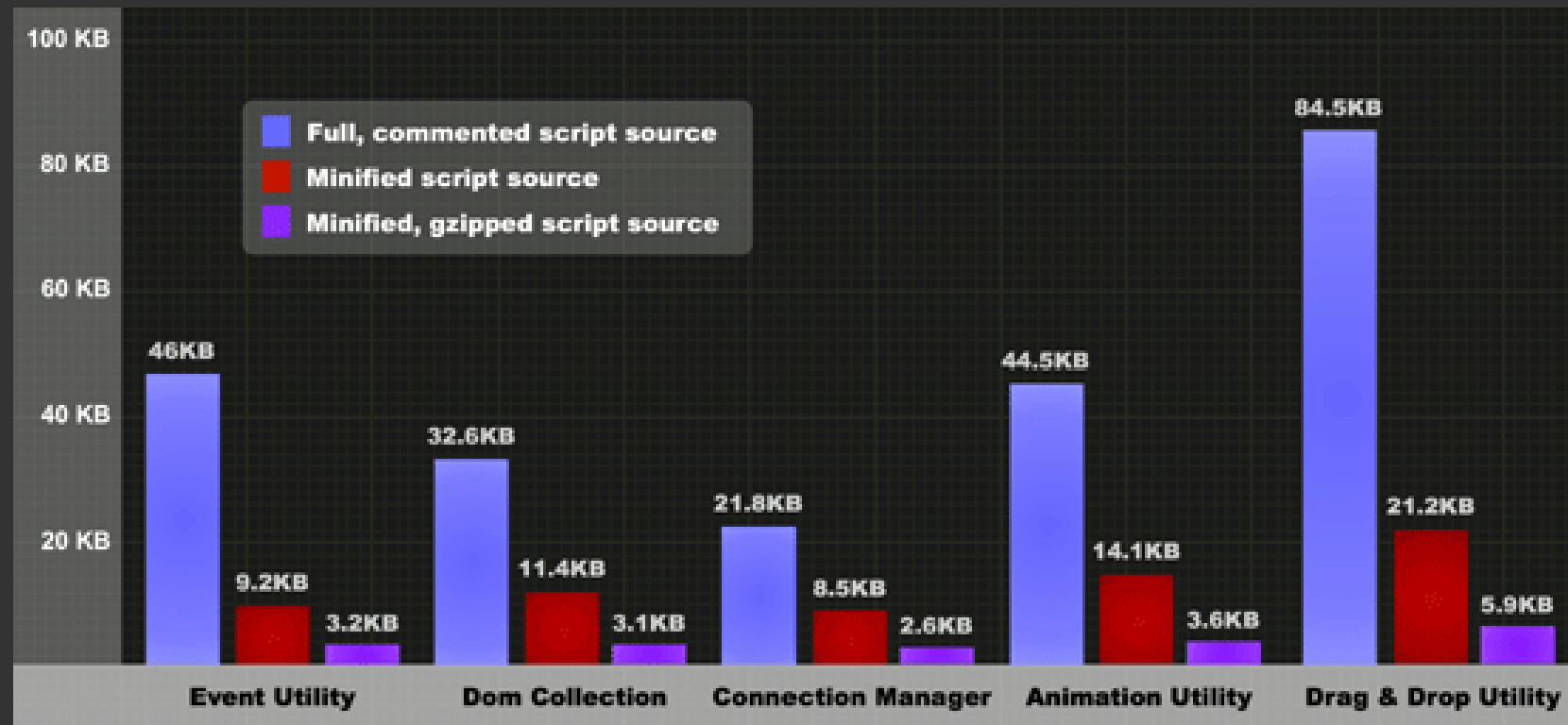
We Believe in JavaScript

- We don't try to fix JavaScript
- We don't enforce a particular coding style
- We expect you to write JS

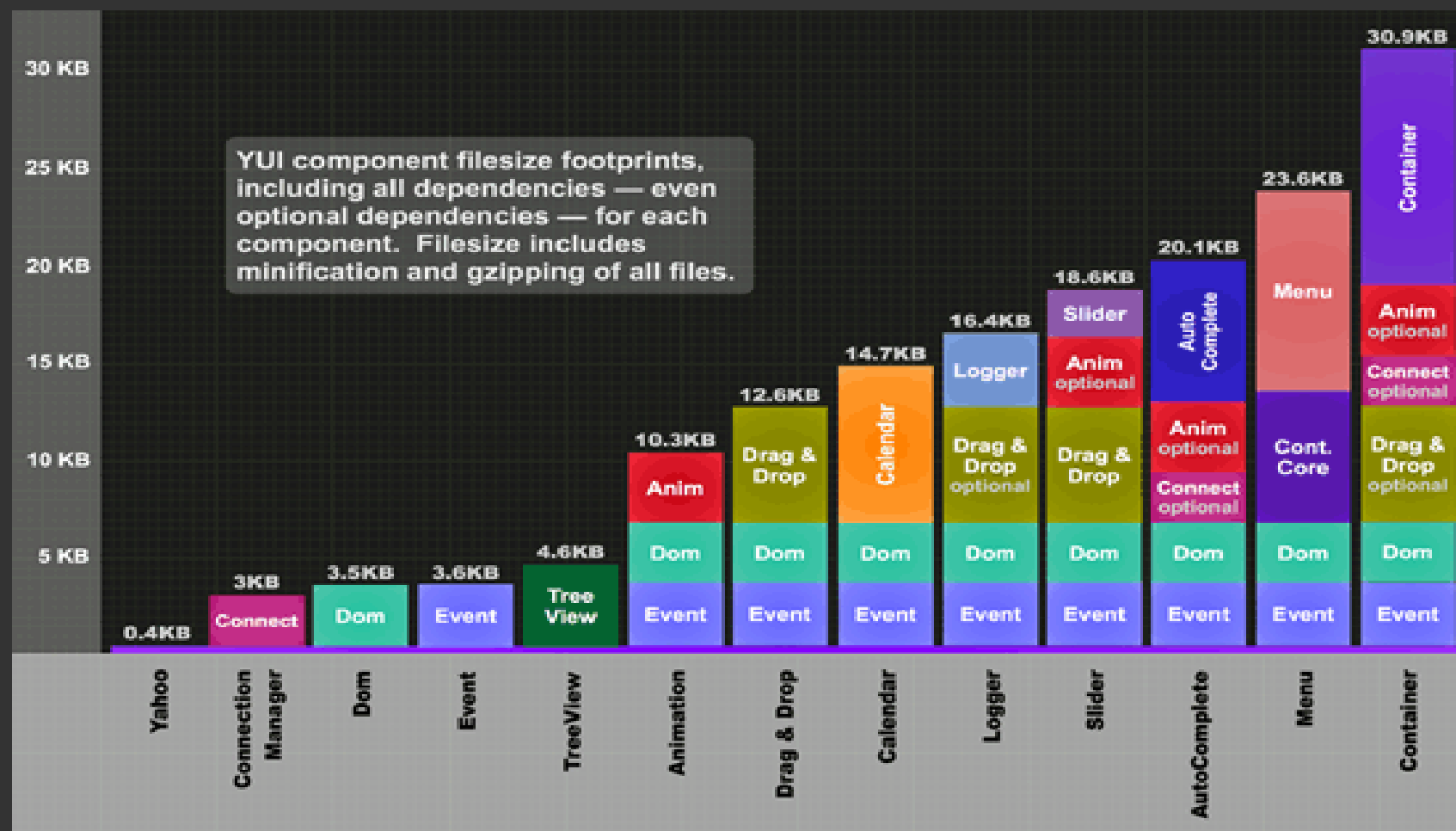
Light Weight and *a la carte*

- Multiple versions of each file
 - Fully commented
 - Minimized
 - Debug
- No unnecessary dependencies
- Pre-concatenated sets of commonly used files.

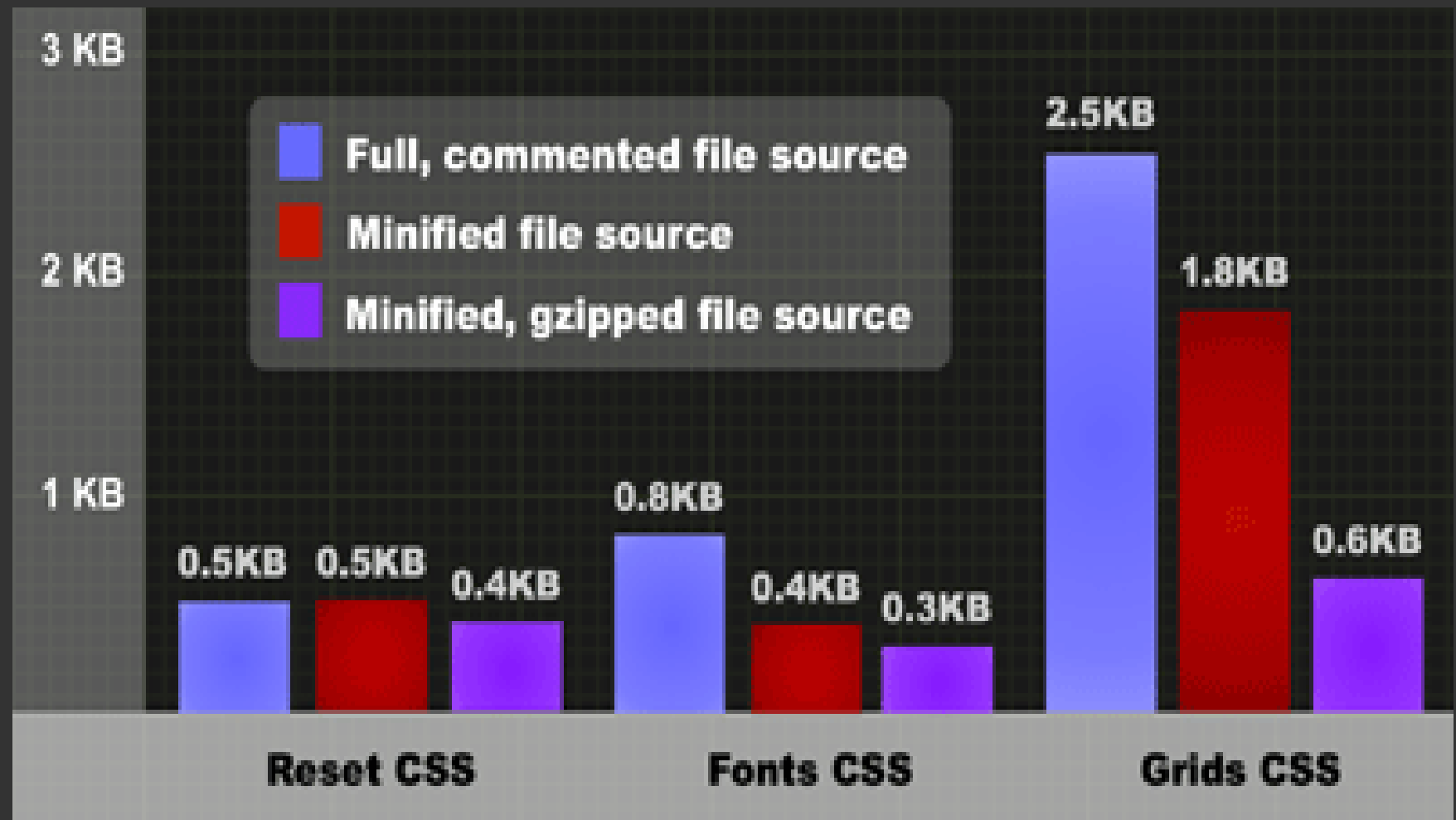
Three Versions of each File



À la carte Dependencies



Lightweight CSS Foundation



It's Got a Great Community

- 4000 member of our public list
<http://groups.yahoo.com/groups/ydn-javascript>
- Packages for VIM, TextMate, Eclipse, Aptana

The most open license: BSD

Great Functionality and Flexibility

- Custom Events / pub-sub
 - onMenuCollapse, onMenuOpen
- Automatic iFrame shim, as necessary
- Etc etc...

- Flexible batch assignment
- Handler Attachment Deferral
 - `onAvailable` and `onContentReady`
- Scope correction and assignment
- Automatic cleanup
- Custom Events

YUI Event's Custom Events

```
var myEvent = new  
    YAHOO.util.CustomEvent( 'myEvent' );  
  
myEvent.subscribe(function() {  
    alert('event fired');  
});  
  
myEvent.fire();
```

YUI Animation

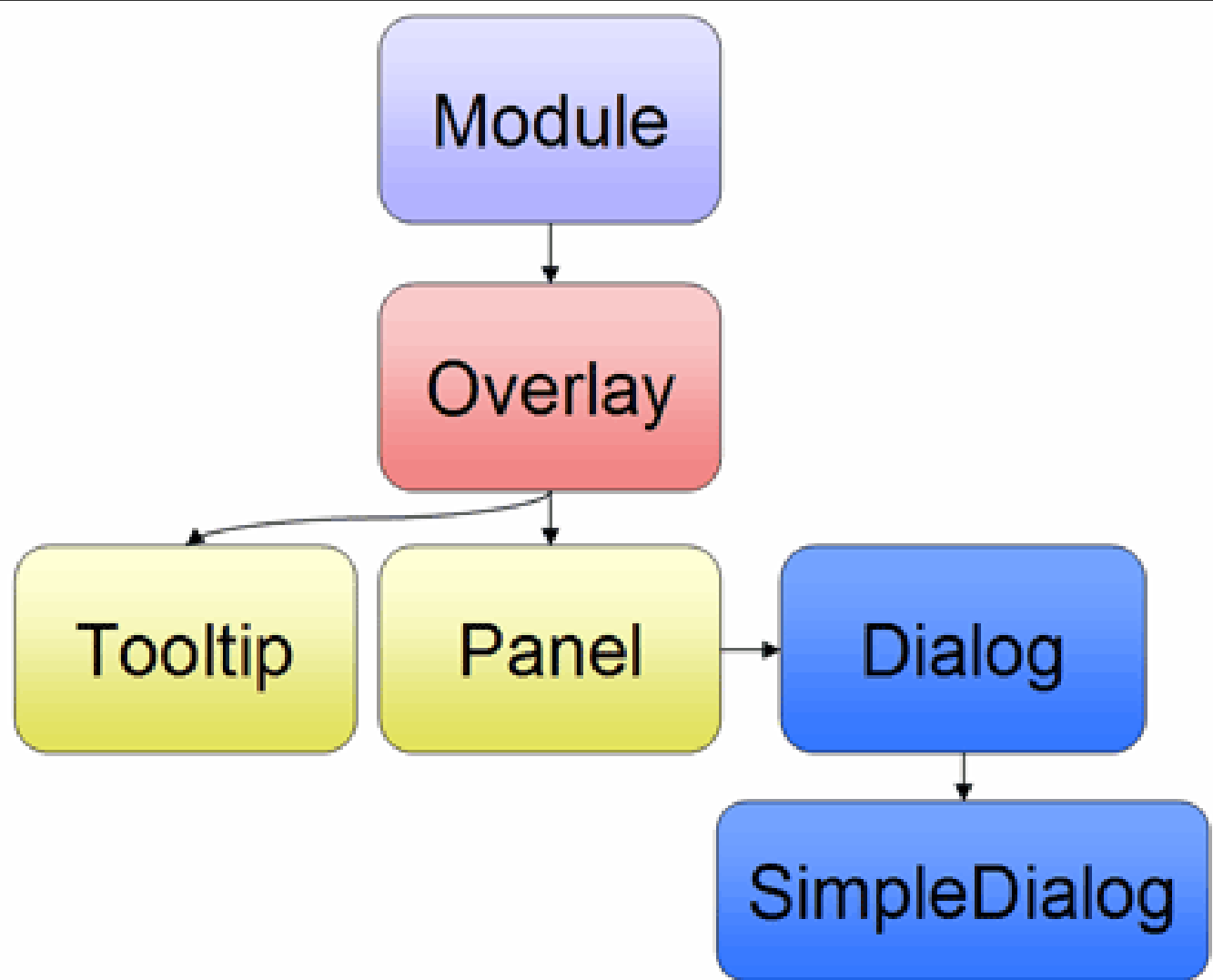
```
var anim = new YAHOO.util.Anim(el, {  
    width: {to: 400},  
    height: {by: 400, unit: 'em' },  
    opacity: {from: 0, to: 1}  
    1);  
anim.animate();
```

- Includes support for Bezier math control

YUI Connection

- Iron-clad Ajax object
- With File uploading
- And extra-argument callbacks.

YUI Container Family



Drag and Drop

- It's easy, sorta, but easy to get wrong too
- Point, Region, Multiple Handles, !Handles
- Exposes 15 *interesting moments*

YUI Logger and Firebug

- `alert("stop the insanity");`
- `YAHOO.log("There IS a better way");`
- Debug with Logger or Firebug directly.

- Page Widths
- Template Presets
- Nesting Grids
- Together, 200 layouts for 2kb.

Who's using it?

WEBBuilder^{2.0}

External Implementations

- Wall Street Journal
- Technorati
- IndyCar.com
- SugarCRM
- SmugMug
- Stikkit
- PayPal
- eBay
- Yuriz
- PowerReviews.com
- Madonet
- You?

Thank you.

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We're hiring!

(Josie Arguada: jaguada@yahoo-inc.com)

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I don't know.

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