

Designing for Ajax. Day One

- Design.
 - Background. Discuss impact, history, terminology.
 - Patterns & Principles of RIA design.
 - 8 principles of rich interaction design.
 - Challenge of documenting RIAs

Designing for Ajax. Day Two

- Technology.
 - Ajax 101. Introduction to Ajax development.
 - Ajax Topics. Issues & challenges for designing and developing Ajax applications.
- Ajax Prototyping. Ways you can prototype with the Y!UI library.
 - Quick Intro to Yahoo! UI library.
 - SimpleDD. Adding Drag & Drop to your prototypes

Day One. Designing for Ajax

Principles and Patterns for Designing Rich Internet Applications



Bill W. Scott, Y! Ajax Evangelist

bscott@yahoo-inc.com



Richness

Rich Internet Applications (RIA)

- Term coined by Macromedia to explain Flash + Remoting.
- Flash extended to have just-in-time communication
- Macromedia whitepaper 2002

http://en.wikipedia.org/wiki/Rich_Internet_Application

Internet Application Spectrum

Page-based (PIA)

- Page navigation
- URL
- Browser history
- Back button = undo
- Document model
- Static content
- Read-only
- Synchronous
- Page services
- Browser chrome
- Transient

Rich Interaction (RIA)

- Micro content
- Application state
- Application history
- Application undo
- Object model
- Dynamic content
- Read/Write
- Asynchronous
- Web services
- Application controls
- Sovereign

Transitional Applications

Internet Application Spectrum

Page-based (PIA)

Page navigation
ymail (classic)
Browser history
Back button = undo
Document model
Static content
Read-only
Synchronous
Page services
Browser chrome
Transient

Rich Interaction (RIA)

yphotos3
backpackit
flickr
yfinance
gfinance
gmail
gmaps
writely
Asynchronous
Web services
Application controls
Sovereign

Transitional Applications

gsuggests
gmaps

Internet Application Spectrum

Page-based (PIA)

Page navigation

URL

Browser history

Back button = undo

Document model

Static content

Read-only

Synchronous

Page services

Browser chrome

Transient

Rich Interaction (RIA)

Micro content

Application state

Application history

Application undo

Object model

Dynamic content

Read/Write

Asynchronous

Web services

Application controls

Sovereign

Transitional Applications

flash

ajax

dhtml

Web 2.0

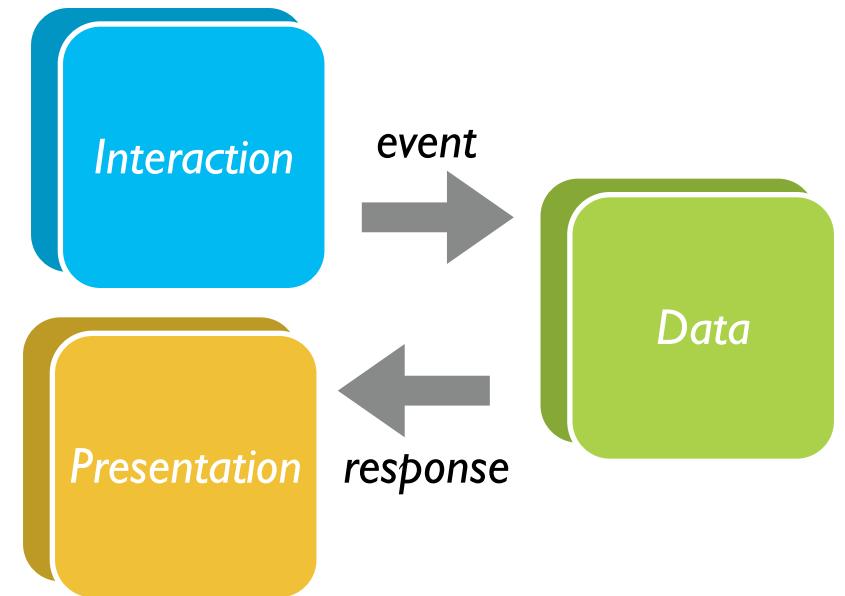
- Tim O'Reilly's Definition

| Web 1.0 | Web 2.0 |
|-----------------------------|-----------------------------|
| DoubleClick | Google AdSense |
| Ofoto | flickr |
| akamai | bit torrent |
| mp3.com | napster |
| britannica online | wikipedia |
| personal websites | blogging |
| evite | upcoming |
| domain name speculation | search engine optimization |
| page views | cost per click |
| screen scraping | web services |
| publishing | participation |
| content mgmt systems | wikis |
| directories | tagging (folksonomy) |
| stickiness | syndication |
| SINGLE VENDER | MASHUP |
| READONLY | READ/WRITE |
| CONTENT MGMT SYSTEMS | CURATED MGMT SYSTEMS |

<http://www.oreillynet.com/pub/a/oreilly/tim/news/2005/09/30/what-is-web-20.html>

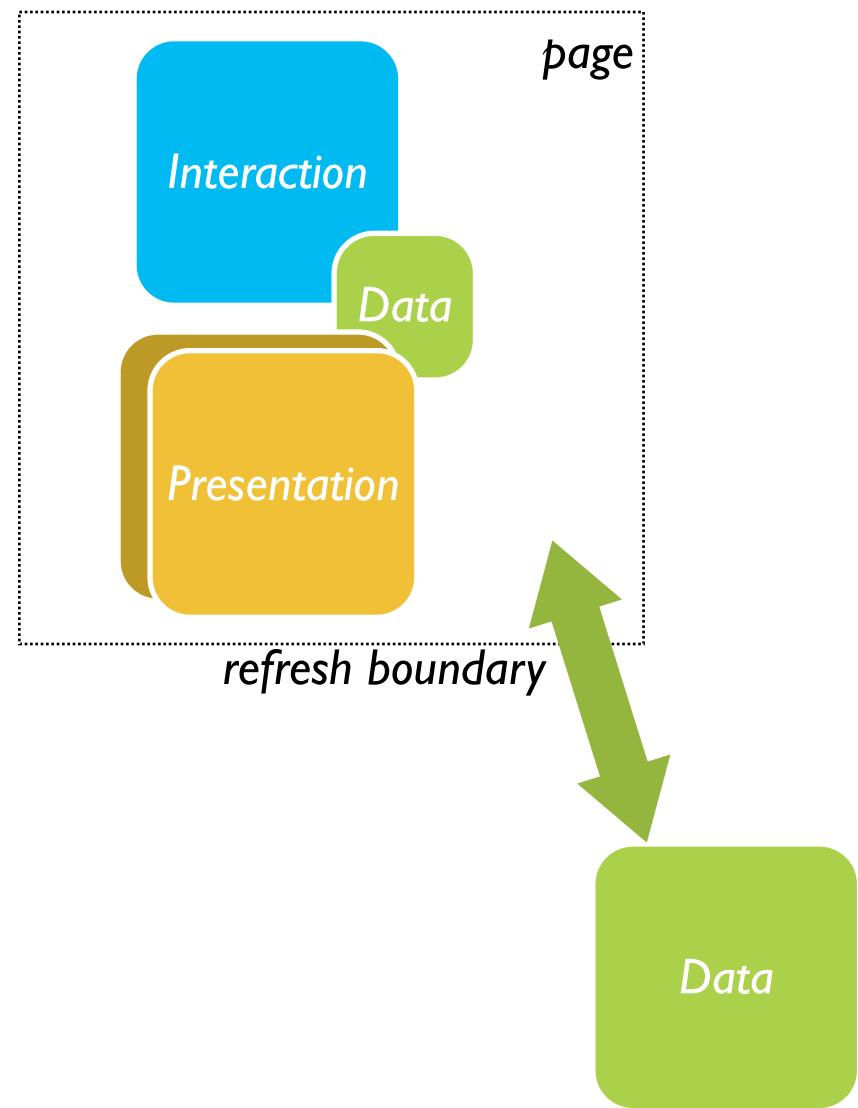
Defining Richness: Web in 3D

- Interaction Dimension
- Data Dimension
- Presentation Dimension

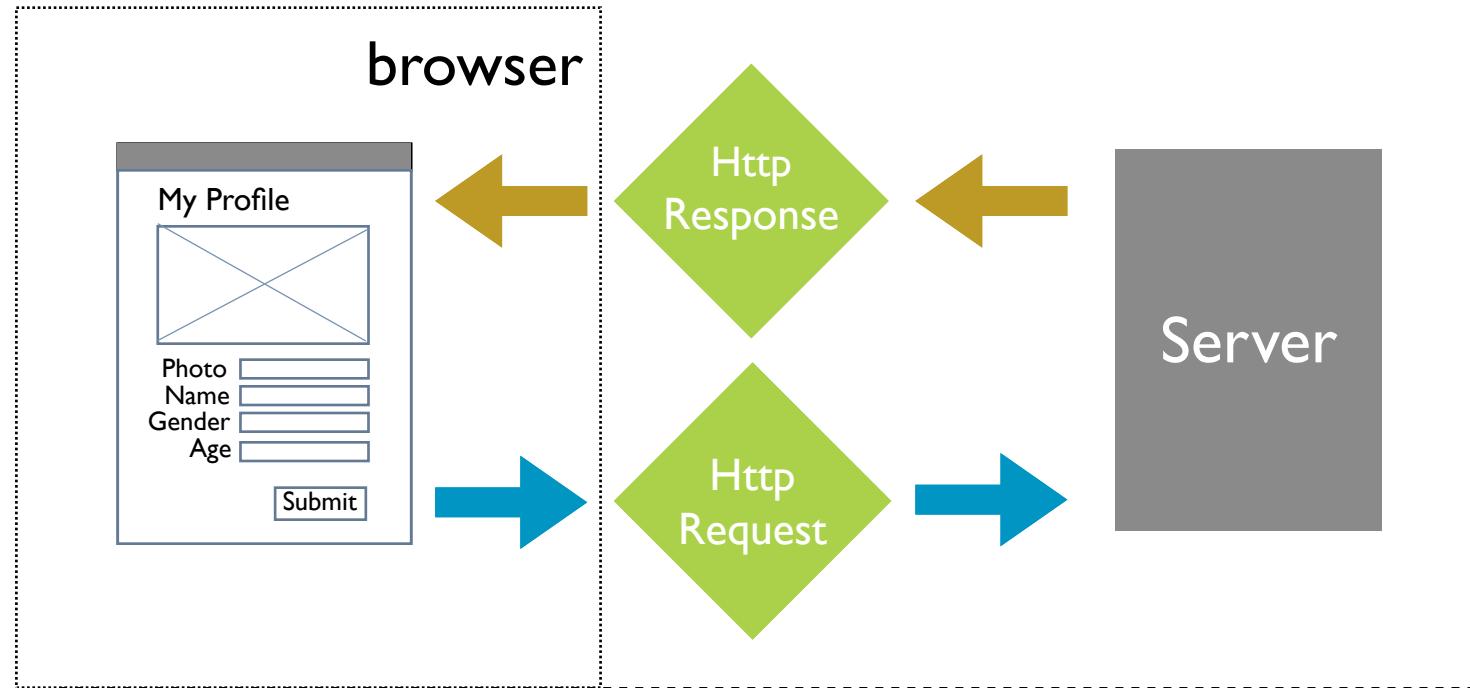


Classic Web

- Interaction course-grained
- Data loaded with the page or obtained via refresh
- Presentation: page-based updates



Classic Web Illustrated



Ajax = Just-in-Time. Immediacy.

Most Popular

Most Emailed Most Viewed | Most Recommended | My Sources

- Lonely elephants, edgy apes baffled by post-Katrina life at zoo Knight Ridder - Sun Oct 16, 4:40 PM ET
- Scientists Study Gorilla
- Inflation Soars Higher
- Rick Springfield's Soa
- Feds Want Banks to S

» All Most Emailed

World



NEW ORLEANS - An AWOL alligator has resurfaced, elephants are forlorn and apes are agitated at Audubon Zoo, one of the nation's most renowned animal sanctuaries, left by Hurricane Katrina both broken and broke.

Just-in-time data



Web Images Groups News Froogle Local **New!** more »

tom cruise

6,670,000 results

tom cruise

1,990,000 results

tom clancy

2,670,000 results

tom cruise movies

215,000 results

height

5,780,000 results

books

145,000 results

filmography

730,000 results

ne

481,000 results

552,000 results

347,000 results

Just-in-time presentation

Students to Enroll

| Crew Id | Last Name | First Name |
|---------|-----------|------------|
| 600922 | Peterson | Shelley |
| 349394 | Craft | Adrian |
| 432939 | Douglas | Eleyne |
| 468370 | Hill | Petra |
| 999300 | Barnes | James |
| 344935 | Smith | James |
| 139204 | Miller | Gordon |

Course Calendar



Students to Enroll

| Crew Id | Last Name | First Name |
|---------|-----------|------------|
| 600922 | Peterson | Shelley |
| 349394 | Craft | Adrian |
| 432939 | Douglas | Eleyne |
| 468370 | Hill | Petra |
| 999300 | Barnes | James |
| 344935 | Smith | James |
| 139204 | Miller | Gordon |

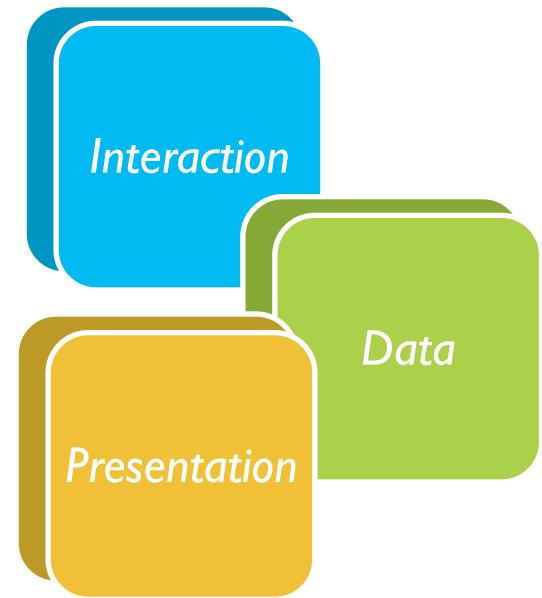
Course Calendar



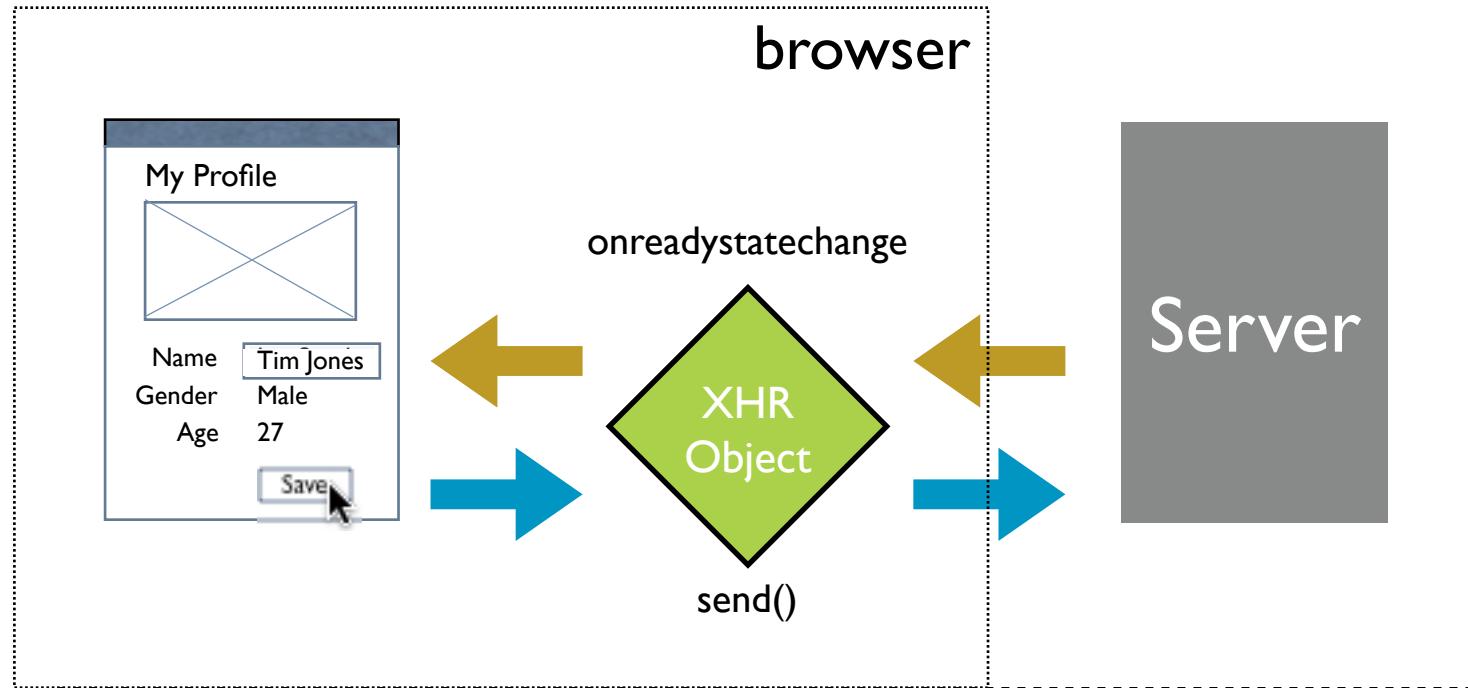
Just-in-time logic

Ajax Model - New & Improved!

- Now with Deeper Interaction!
- Now with Just-in-Time Data & Just-in-Time Logic!
- ★ XMLHttpRequest (XHR) is the secret sauce!
- Now with Richer Interface!
- All dimensions are closer



Ajax Illustrated

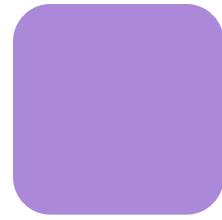


AJAX vs Ajax

- AJAX = Asynchronous JavaScript and XML
 - Strict definition is using XMLHttpRequest (XHR) to retrieve XML within a web page
 - Ajax = The set of technologies that allow web applications to provide rich interaction, just-in-time information and dynamic interfaces without required page refresh
- The Secret Sauce 
 - Ajax = XHR + DHTML (HTML, CSS, JavaScript) + Rich design

XHR, Not the Only Game in Town

- Hidden IFrame
- src
- <script> src hack
- CSS href hack
- JS to faceless Java applets
- JS to faceless Flash
- NO CONTENT Response
- Cookies



Back to the Future

RIA Soup

flash activex javaapplets html javascript
xmlhttprequest remotescriting xul
flashremoting xml xforms xsl xslt xhtml css
dhtml xss browserquirks macromedia flex
laszlo firefox mozilla netscape google
googlesuggests googlemaps oddpost yahoo
ymailbeta internetexplorer microsoft flickr
dotcom dotcomboom dotcombust json w3c
wwg comet scripthack dom domscripting
interactiondesign desktopapps clientserver
thinclient thickclient

The Tipping Point

- Gladwell's book describes the phenomena of change
- The Law of the Few
 - Connectors
 - Mavens
 - Salesmen
- Sticky Message

A Sequence of Events

- Invented and held captive in Redmond
- Dot com bust
- Innovation under the radar
- Seeds were sown by the browser wars
- From the ashes Firefox rises
- Google's gambit gives the stamp of approval
- Ajax is christened
- Outliers come on board

Invented in Redmond

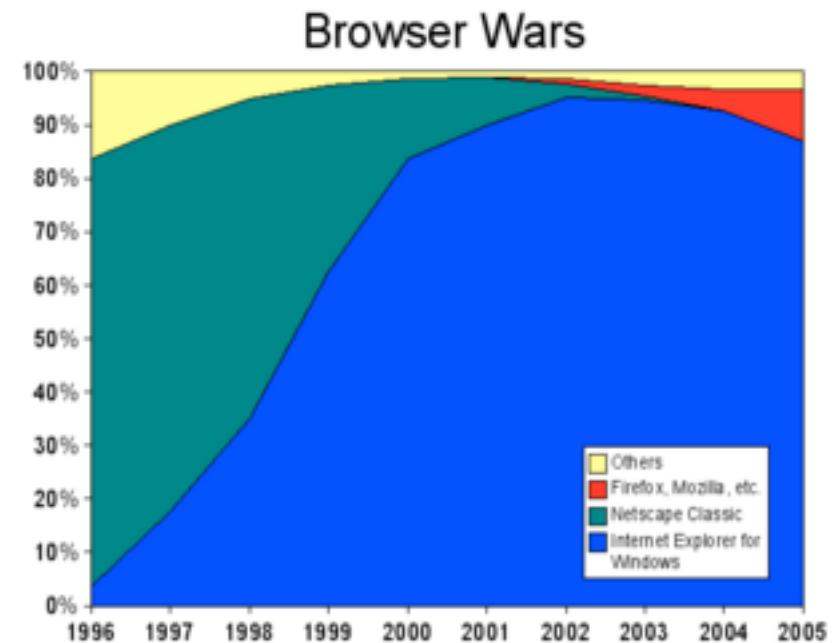
- Part of Internet Explorer 5.0, Sept. 1998
- Used to create the web version of Outlook
- Locked under the asp.net banner
- Not available in Netscape, etc.

Dot Com Boom & Bust

- Dot com boom brought lots of talent into web space
- Bust in late 2000, throughout 2001
- Innovation goes under the radar
 - Brent Ashley - remote scripting
 - Doug Crockford - json
 - Iain Lamb - oddpost

Fog of Browser War Clears

- 1999 - IE 60%
- 2000 - IE 80%
- 2001 - IE 90%



Internet Revival - \$\$

- Google on the move
- Yahoo! survives & thrives
- Amazon turns a profit
- Web 2.0 companies burst on scene
 - flickr
 - delicious
 - blogging

The “View Source” Culture

- Web as a showcase for talent
- The ability to share code freely and rapidly
- Coupled with blogging

Firefox Emerges

- Ironically out of the ashes of Netscape
- Mozilla 1.0, Firefox 1.0 introduces XHR as native object
- Same API as the Microsoft ActiveX component
- Now > 95% have XHR

Google Gambles

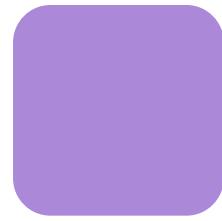
- gmail, google suggests and google maps use XHR
- Legitimizes the use of XHR
- Based on IE + Firefox
- Forces Safari & Opera to come on board

Jesse James Garrett

- Actually, the “godfather” of Ajax :-)
- Created a sticky message
- “Ajax” is a very popular search term

Back to the Desktop

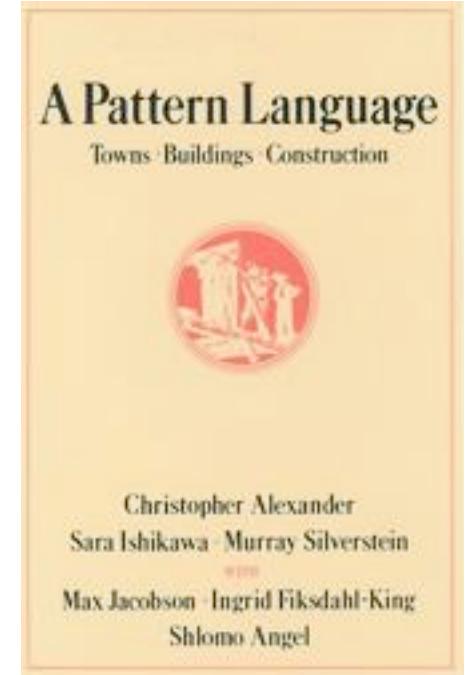
dragdrop trees menus icons toolbars
windowing validation tabs selection
applicationcontext inlineedit editablegrids
hotkeys contextualmenus



Patterns

Origin

- A Pattern Language, Alexander, 1977
Dissatisfied with sterile, impersonal design
- Defined it as
Solution to a problem in context
- Captured
Situation, competing constraints, canonical solution
- Examples
Couples Realm, House for a Couple, Sitting Circle, Marriage Bed

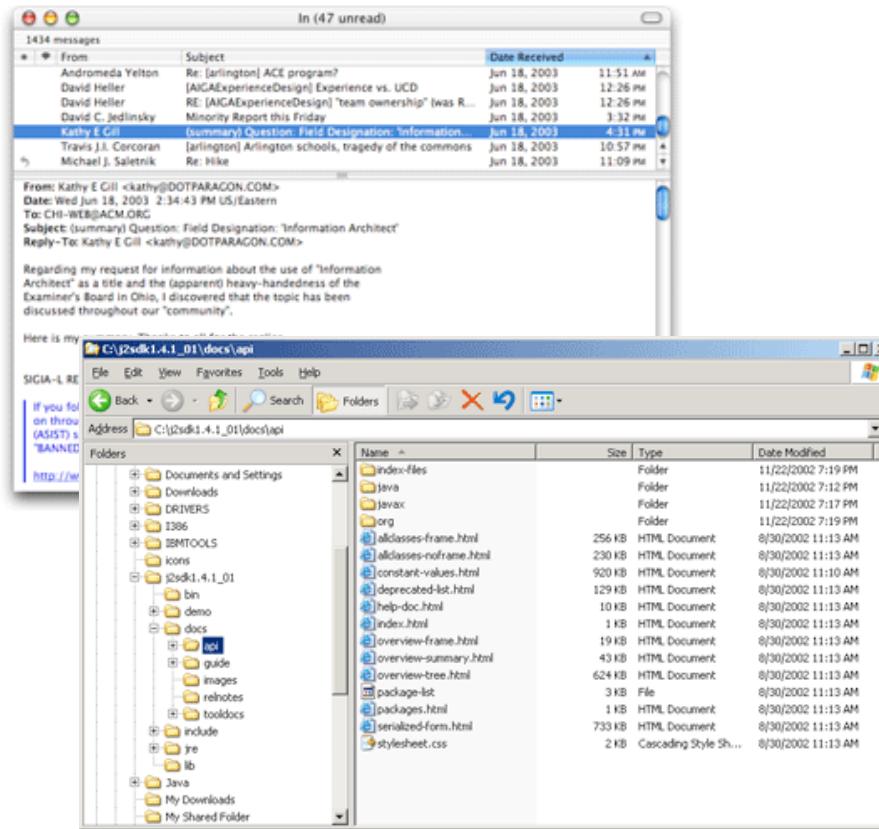


Spread of Patterns

- Applied to software design, Gang of four, 1995
- 1996, Alexander chides user experience community
- User experience patterns
 - 1997, Tidwell's *Common Ground*
 - Welie's pattern site
 - *Design of Sites* book
 - 2005, Tidwell, *Designing Interfaces*



Overview + Detail



- **Problem**
Large amounts of data. User need to see details in context of overview data
- **Solution**
 - Overview Panel (top or left)
 - Detail Pane (bottom or right)

Solution to a problem in context

- Jenifer Tidwell (also a book)
<http://designinginterfaces.com/>
- Martijn van Welie
<http://www.welie.com/patterns/>
- Sari A. Laakso
<http://www.cs.helsinki.fi/u/salaakso/patterns/>
- Michael Mahemoff
<http://www.ajaxpatterns.org/>
- Web Patterns
<http://webpatterns.org/>

Drag and Drop. Drag and Drop Modules. In Page Editing. In Page Custom Editing. Direct State Editing. Grid Cell Editing. Inline Custom Editing. Inline Tag Editing. Popup Custom Editing. Slide-out Custom Editing. Inline Text Editing. Persistent Portals. Inline Reordering. Indication. Busy Indication. Cursor Busy. In Context Busy. In Context Progress. Inline Status. Character Counter. Auto Complete. Balloon Error Tip. Deferred Content Loading. Dynamic Goal. Narrowing Choices. Refining Search. Live Search. Dynamic Filter. Invitation. Cursor Invitation. Drop Invitation. Tool Tip Invitation. Hover Invitation. Detail Zoom. Opacity Focus. Configurable Module - Faceplate. Configurable Module - Flip It. Configurable Module - Inline Configure. Configurable Module - Slide Out Drawer. Slide Out. Flip. Opacity Fade. Endless Scrolling. Expandable Paging Boundary. Fresh Content. Hover Detail. In Place Drill Down. Inline Assistant. Inline Validation. Validate Then Suggest. On Demand Refresh. Periodic Refresh. Resizable Modules. Scrolling Modules. Auto Save. In Context Tools. Remembered Collection. Remembered Preferences. Auto Form Fill. Rating an Object. Transition. Brighten Transition. Cross Fade Transition. Dim Transition. Expand Transition. Fade In Transition. Fade Out Transition. Flip Transition. Move Transition. Self-Healing Transition. Collapse Transition. Slide Transition. Rich Internet Object. Available. Selected. Identifiable Object.

Yahoo! Pattern Library Release

Developer Network Home Help Site Search Search

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**
 - Ratings & Reviews
 - Architecture Review
 - Rating an Object
 - Writing a Review

PERFORM ACTION

- CUSTOMIZE**
 - Drag and Drop
 - Drag and Drop Modules
 - Drag and Drop Objects
 - In Page Editing
 - Sliders

APPLICATION NEEDS TO

- CALL ATTENTION**
- IMPROVE READABILITY**
 - Ratings & Reviews
 - Review Architecture
- GROUP RELATED ITEMS**
- ORGANIZE SCREEN/PAGE**

Welcome
Welcome to the Yahoo! Design Pattern Library with the design and documentation hope to be a monthly release. We have bundled the patterns we have in the [Code Library](#). We hope this will be a monthly release.

What's a Pattern?
A pattern describes an optimal solution to a problem.

Recent Patterns

Auto-Complete
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.

Module Tabs
The user needs to navigate through one or more stacked panes of content without refreshing the page.

Results Page:
1 2 3 4 > [Next](#)

Search Pagination
The user needs to view a set of search results ranked by relevance that is too large to easily display within a single page.

<http://developer.yahoo.net/ypatterns/>

Developer Network Home Help Site Search Search

YAHOO! DEVELOPER NETWORK

Design Pattern Library

Yahoo! Developer Network > Design Pattern Library > Ratings and Reviews

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**
 - Ratings & Reviews
 - Architecture Review
 - Rating an Object
 - Writing a Review

PERFORM ACTION

- CUSTOMIZE**
 - Drag and Drop
 - Drag and Drop Modules
 - Drag and Drop Objects
 - In Page Editing
 - Sliders

APPLICATION NEEDS TO

- CALL ATTENTION**
- IMPROVE READABILITY**
 - Ratings & Reviews
 - Review Architecture
- GROUP RELATED ITEMS**
- ORGANIZE SCREEN/PAGE**

Ratings and Reviews

Problem Summary
Users want to leave an opinion or evaluate an object. Quick opinions can be captured using Reviews.

Solution Patterns

Architecture of a Review
A product or website needs to present ratings and reviews with a variety of informational elements.

Rating an Object
A user wants to quickly leave their opinion on an object, with minimal interruption to any other task flow they are involved in.

EXAMPLE:

Restaurant
(4.5) [REDACTED]
Alma St
Menlo Park, CA 94025
Cross Street:
Between Alma Ln and Ravenswood Ave

Average
4.5 stars
Average Rating (7)
Read 7 reviews
Write a Review

Use When

- A user wants to leave an opinion quickly.
- Use in combination with reviews for richer experience.
- Use to quickly tap into the existing "community" of a product.
- Ratings are collected together to present an average rating of an object from the collective user set.

Solution

- Show clickable items (most often used are stars) that light up on rollover to infer clickability.

http://yuiblog.com

YAHOO.util.Motion = function(el, attributes, duration, method) {
 if (el) this.initMotion(el, attributes, duration, method);
}

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](#)

[search in blog...](#)

Yahoo! Design Pattern Library Released

February 13, 2006 on 7:54 am by Bill Scott | In [Design](#) |

I'm excited to announce that today we are releasing the [Yahoo! Design Pattern Library](#) to the public under a friendly [Creative Commons License](#). The goal in releasing this library is for us to share the common patterns that we see emerging at Yahoo! It is hoped that by opening up our design patterns we can share our current thinking as well as solicit your valuable feedback.

We believe design patterns are [powerful](#). First, they offer a solution in context of a problem. Second, they provide a name for the solution. Taken together as a set, pattern libraries form a solution language that can enhance our ability to communicate design ideas. Lastly, they provide us a context in which to discuss a number of associated issues: the thinking behind a solution; issues around accessibility, and de-gradeability; other related patterns; examples of usage; and code samples to name a few.

In case patterns are a new concept to you, here's a little history to get you up to speed.

[Background on Patterns](#)

SYNDICATE

All Entries: [+ MY YAHOO!](#) [RSS](#)

All Comments: [+ MY YAHOO!](#) [RSS](#)

RECENT POSTS

[Developing a JavaScript Library for Yahoo!](#)
[Welcome to the Yahoo! User Interface Blog](#)
[The Yahoo! User Interface Library](#)
[Yahoo! Design Pattern Library Released](#)
[Search Pagination Design Pattern](#)
[Item Pagination Design Pattern](#)
[Rating an Object Pattern](#)

Yahoo! Patterns Discussion Group

<http://groups.yahoo.com/group/ydn-patterns/>

Yahoo! Yahoo! Plus Home Mail

Search the Web Search

YAHOO!® PLUS Welcome, billwaynescott [\[Sign Out, My Account\]](#)

Groups Home | Help

IS IT EASY TO START AN ONLINE STORE ?

billwaynescott · bscott@yahoo-inc.com | Group Moderator - Edit Membership [Start a Group](#) | [My Groups](#)

ydn-patterns · Yahoo! Design Pattern Discussion Group

Messages Message # Go Search: Go [Messages Help](#)

[Post Message](#)

View: [Simple](#) | [Summary](#) | [Expanded](#)
As: [Msg List](#) | [Thread](#)

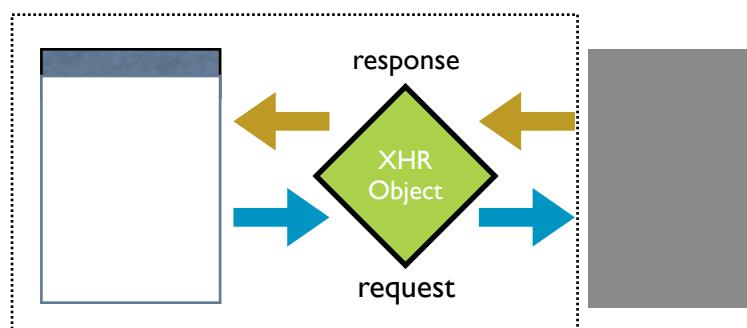
1 - 23 of 23 First | < Previous | Next > | Last

| | Delete | Subject | Author | Date |
|---|--------------------------|---|---|-----------------------|
| 1 | <input type="checkbox"/> | Welcome! We are excited about the launch of our Yahoo! Design Patterns Library < http://developer.yahoo.net/ypatterns/index.php > . While our internal patterns site is... | billwaynescott | Feb 13, 2006 2:31 pm |
| 2 | <input type="checkbox"/> | Re: Welcome! Great work! I hope to see more soon :) One navigation suggestion I have is some kind of linear navigation within the details so I can go to the next design... | Gilbert Lee gilbertglee | Feb 13, 2006 7:49 pm |
| 3 | <input type="checkbox"/> | Re: Welcome! Great work, I just scanned through the two libraries and have to say: You guys rock. :) Thanks.... | Dominik Schwind d_schwind | Feb 14, 2006 12:41 am |

Breadcrumbs. Module Tabs. Navigation Tabs. Auto Complete. Pagination. Item Pagination. Search Pagination. Ratings and Reviews. Architecture of a Review. Rating an Object. Writing a Review. Drag and Drop. Drag and Drop Modules. Transition. Dim. Brighten. Cross Fade. Contract. Expand. Fade In. Fade Out. Move. Self-Healing. Slide. Highlight. Invitation. Cursor Invitation. Drop Invitation. Tool Tip Invitation. Hover Invitation.

But What Can XHR Do?

- Make a request
- Return a response
- And do it asynchronously



Anatomy of a Pattern

- Ajax design patterns contain three steps
 - **Trigger** (event or timer)
 - **Operation** (Ajax, remote scripting)
 - **Update** (presentation)



Trigger

- Every pattern starts with
 - a user event
 - a timer event

mouseout hover keypress keydown mousedown
drop filter choices mouseup drag click mousedown select
focus blur resize move timeout



Operation

Ajax patterns open the door to immediacy

- **Lookup** I can get information when I need it
- **Persist** I can save in real-time
- **Validate** I can prevent errors early
- **Invoke** I can make things happen now
- **Message** I can communicate instantly



Operation. Lookup

I can get information when I need it

Auto Complete. Deferred Content Loading. Dynamic Goal. Narrowing Choices. Refining Search. Live Search. Dynamic Filter. Detail Zoom. Endless Scrolling. Expandable Paging Boundary. Fresh Content. Hover Detail. In Place Drill Down. On Demand Refresh. Periodic Refresh. Resizable Modules. Scrolling Modules. Auto Form Fill.



Operation. Persist

I can save in real-time

Drag and Drop Modules. In Page Editing. In Page Custom Editing. Direct State Editing. Grid Cell Editing. Inline Custom Editing. Inline Tag Editing. Popup Custom Editing. Slide-out Custom Editing. Inline Text Editing. Inline Reordering. Auto Save. Remembered Collection. Remembered Preferences. Rating an Object.



Update

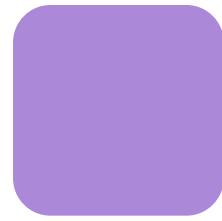
- Finally, patterns reflect a visual change

Indication. Busy Indication. Cursor Busy. In Context Busy. In Context Progress. Inline Status. Transition. Brighten Transition. Cross Fade Transition. Dim Transition. Expand Transition. Fade In Transition. Fade Out Transition. Flip Transition. Move Transition. Self-Healing Transition. Collapse Transition. Slide Transition. Rich Internet Object. Available. Selected. Identifiable Object. Slide-out. Popup Balloon.



Pattern-O-Matic



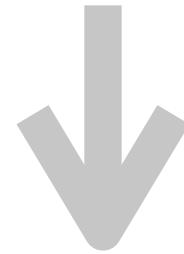


Principles

Principles for Rich Design

1. Keep it direct
2. Provide live feedback
3. Offer an invitation
4. Cross borders reluctantly
5. Leave a light footprint
6. Show transitions
7. Think in objects
8. Tell a story

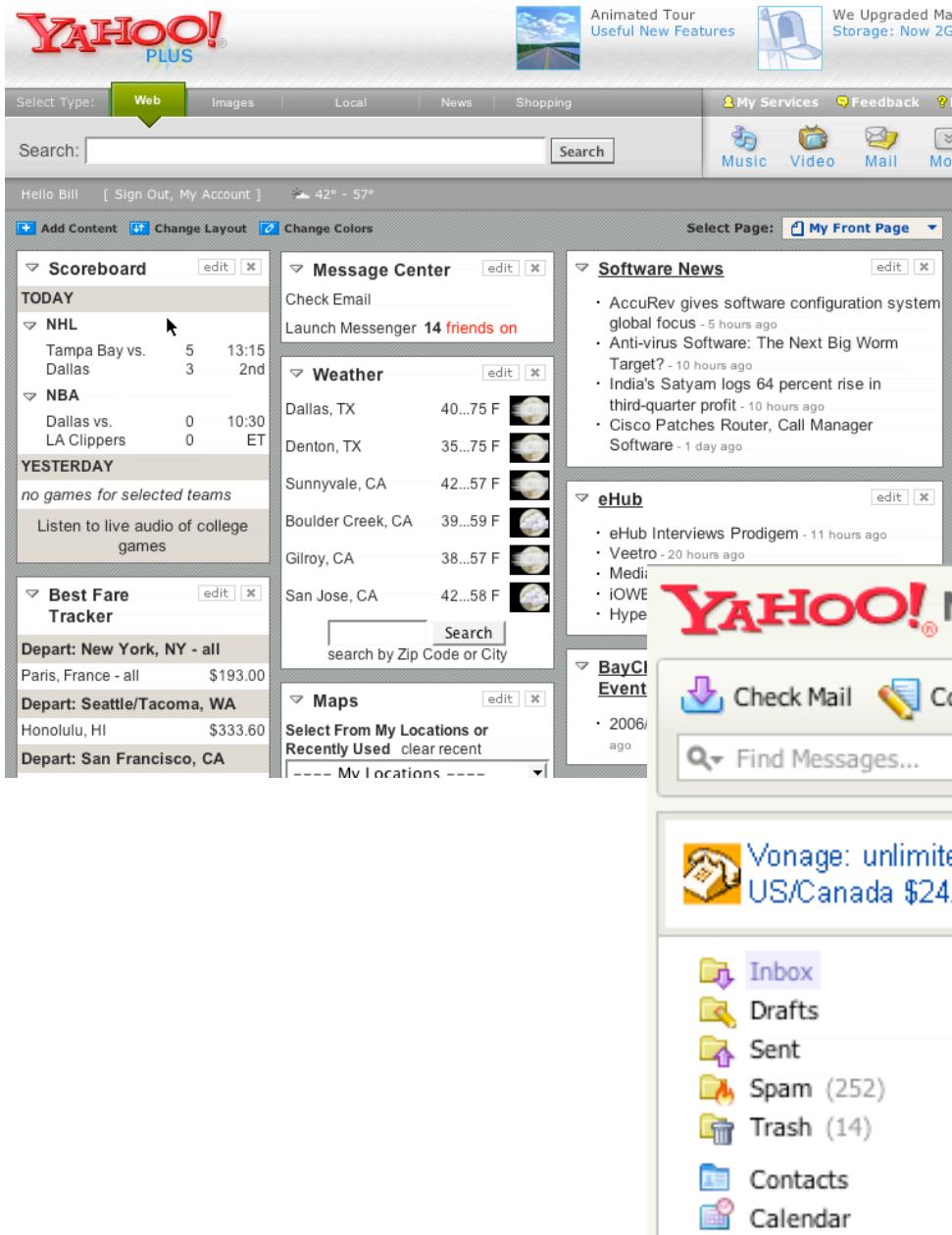
submit hyperlink



mouseout hover keypress keydown mousedown
drop filter choices mouseup drag click select focus
blur resize move timeout

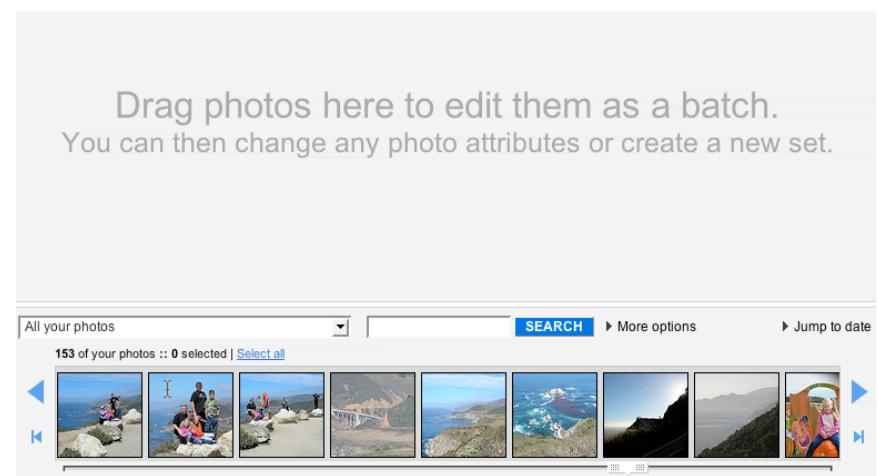
1

Keep it Direct



The original Yahoo! Plus homepage features a complex layout with multiple panels. The 'Web' tab is selected in the top navigation bar. The layout includes:

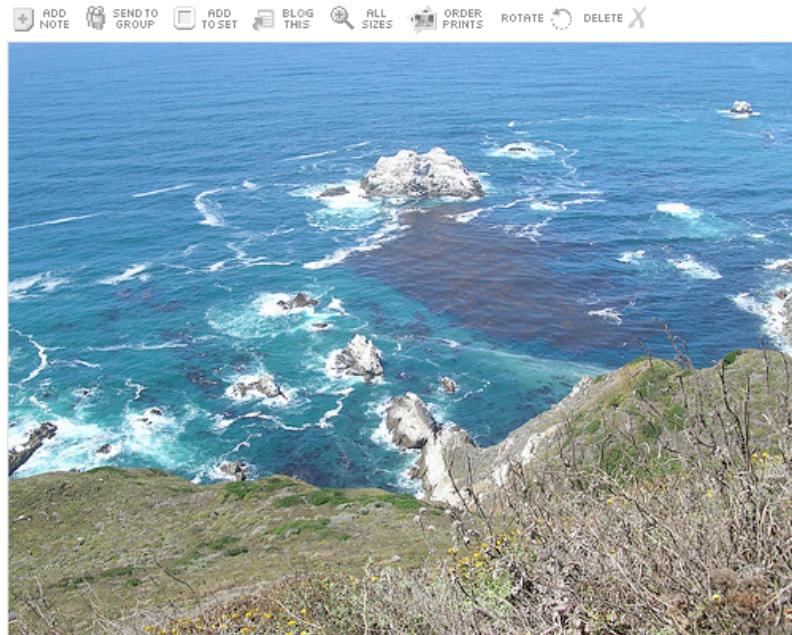
- Scoreboard:** TODAY section with NHL and NBA games.
- Message Center:** Check Email and Launch Messenger 14 friends on.
- Software News:** AccuRev gives software configuration system global focus, Anti-virus Software: The Next Big Worm Target?, India's Satyam logs 64 percent rise in third-quarter profit, Cisco Patches Router, Call Manager Software.
- Weather:** Dallas, TX (40...75 F), Denton, TX (35...75 F), Sunnyvale, CA (42...57 F), Boulder Creek, CA (39...59 F), Gilroy, CA (38...57 F), San Jose, CA (42...58 F).
- eHub:** eHub Interviews Prodigem, Veetro, Medi, iOWE, Hype.
- BayCI Event:** 2006/ago.
- Maps:** Select From My Locations or Recently Used, clear recent, Mv locations.
- Advertisement:** Vonage: unlimited calls US/Canada \$24.99/mo.
- Inbox:** Empty.



The Yahoo! Mail beta inbox interface includes a large area at the top for dragging photos to edit them as a batch. Below this is the standard inbox list:

| From | Subject |
|------------------------------|------------------------|
| Jason Kunesh | RIA/Ajax web-ba |
| NG-DHTML-request@netwindo... | confirm bcdb0e1... |
| Mindjet | Activate your Mir... |
| American Kennel Club | YourAKC – Janua... |
| Mike Milinkovich | RE: Still on for co... |
| Mike Milinkovich | RE: Still on for co... |
| Ryan Freitas | helps when i atta... |
| Ryan Freitas | Re: Never got thi... |
| Richard Cowin | Re: Backbase Liv... |
| LukeW | Re: RIO & books |

Rocky Waters



Add tags

Test Page

Body List Notes **Files** Images Writeboards Links Sharing ?

Notes

First Note (modified) Posted 30 Nov
This is just a note that I added. And some more text was added.

[Add note](#) 

My Grade:

| | |
|--------------------------------|------------------------------|
| B- | A |
| Fair | B+ B B- |
| write a review | C |
| | D |
| | F |

| 0 | 1 | 2 |
|--|--|---|
| 0, 0  | 0, 1  | |
| 1, 0  | 1, 1  | |
| 2, 0  | 2, 1  | |

Scheduled Items

Wed 11/23/05 (day 1) - Yosemite Natl Pk, Yosemite National Park

  **Yosemite Lodge** [View](#) | [Delete](#)

From \$97.00 to \$146.00 per night. [•Reserve Now](#)

 559-252-4848

Yosemite Natl Pk, CA 95389
United States

In the valley of Yosemite National Park



Notes: [\[Edit\]](#)

Tags: [\[Edit\]](#)

Dates: [\[Add\]](#)

Wed, Nov 23rd - Fri, Nov 25th [\[Edit\]](#)

  **Tunnel View**

 +1 209 372 1000

Wawona Rd
Yosemite National Park, CA 95389
United States



This breathtaking and spectacular sight is located on Highway 41 just north of Wawona, and just south of the Valley Floor. This popular spot is the most photographed view of the valley. It received [...](#)

My Saved Pages > ypatternexample

Items 1 - 4 of about 4

Sort by: [Date Saved](#) | [Title](#) | [URL](#)

[coming_soon.mov \(video/quicktime Object\)](#)

Shared at 4:49 PM PST

[Email](#) - [IM](#) - [Delete](#)

Shared by: Me - [Details](#) - [Edit](#)
Tags: [comment](#), [digg](#), [incontextexpandpatte...](#), [inlinepageeditpatter...](#), [ratinganobjectpatter...](#), [more...](#)

 Access: Everyone

http://sjc.videos.revision3.com/diggnation/coming_soon.mov

Shared at 4:49 PM PST

[Email](#) - [IM](#) - [Delete](#)

[Ajaxian ? New Digg Ajax Comment System](#)

Shared by: Me - [Details](#) - [Edit](#)

Tags: [comment](#), [digg](#), [incontextexpandpatte...](#), [inlinepageeditpatter...](#), [ratinganobjectpatter...](#), [more...](#)

 Access: Everyone

<http://ajaxian.com/archives/new-digg-ajax-comment-system> - [My cached copy](#)

Shared at 4:49 PM PST

[Email](#) - [IM](#) - [Delete](#)

[Yahoo! Groups : scotts-pub Post Message](#)

Saved on February 16, 2006

[Email](#) - [IM](#) - [Delete](#)

Shared by: Me - [Details](#) - [Edit](#)

Note: [rich text editor for blogs](#)

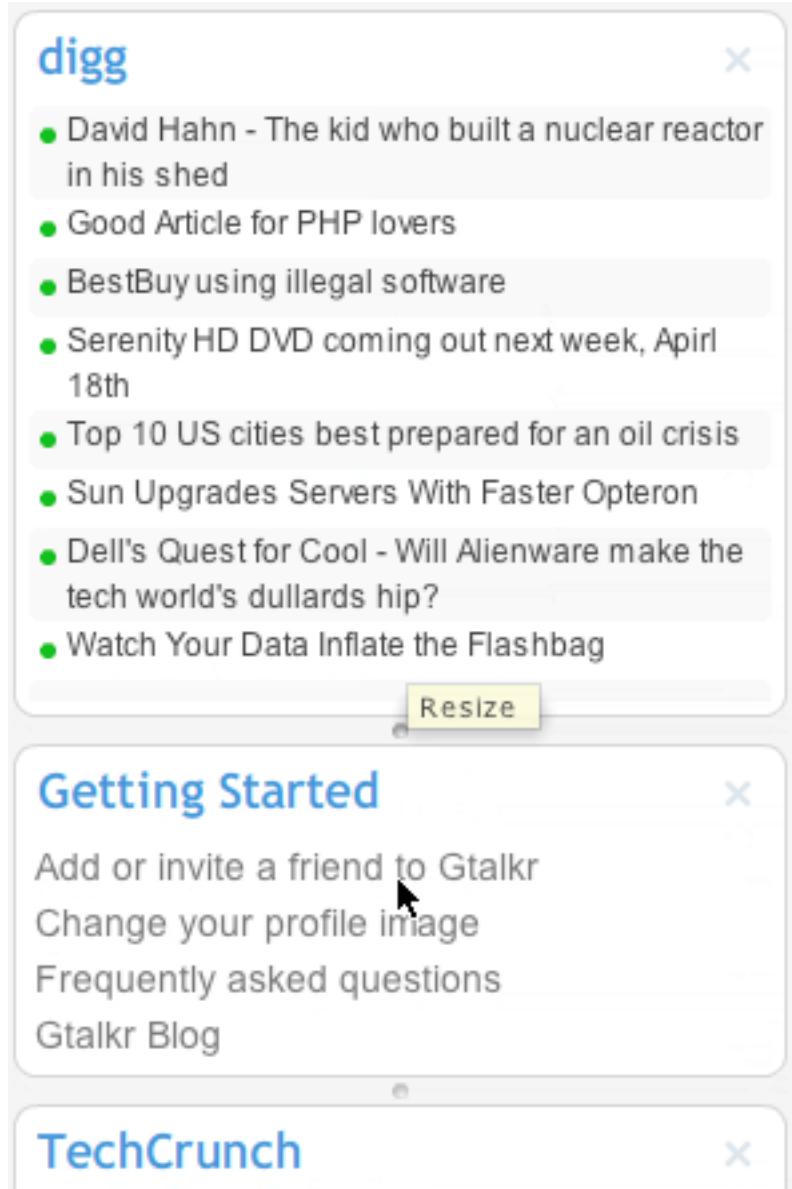
Tags: [code](#), [inline edit](#), [internal yahoo](#), [patterns](#), [ypatternexample](#), [more...](#)

 Access: Just me

<http://f3.corp.yahoo.com/~scotts/xpost.html>

| From | Subject |
|--|-------------------------------|
|  peter doctromo | Welcome! |
|  Yahoo! Toolbar | 5 Tips for... |
|  Weekend Extra | |





Drag and Drop. Drag and Drop Modules. In Page Editing. In Page Custom Editing. Direct State Editing. Grid Cell Editing. Inline Custom Editing. Inline Tag Editing. Popup Custom Editing. Slide-out Custom Editing. Inline Text Editing. Inline Reordering. Resizable Content.

Prefer interaction within the page

What about discoverability?



State park near our home in San
Jose



[Click to edit](#)

5 photos | [Add a comment?](#)

Photos are from
22 Oct 05.

Prefer interaction within the page

What about discoverability?

Use direct editing on page content

What about save/cancel?

Avoid page jitter

Reduce the feeling of modes



State park near our new home in San Jose
(next to Milpitas)

SAVE OR **CANCEL**

Prefer interaction within the page

What about discoverability?

Pick Up at the Store

- Milk
- Orange Juice
- Tomatoes
- Lettuce
- Bread
- Chips

[Add Item](#)

[Make a new list](#) [Reorder lists](#)

[Remove from sidebar](#), [Delete this page](#), [Email me this page](#)
[Send email to this page: miles12betty@billwscott.backpackit.cc](#)

 [Changes](#) [Help](#) [Text Formatting](#) [Weblog](#) [Forum](#) [Privacy](#)

Use direct editing on page content

What about save/cancel?

Avoid page jitter

Reduce the feeling of modes

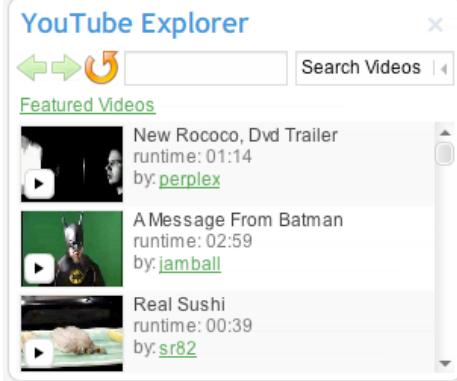
Provide in-context tools

Only good for single operations

Can actually slow you down

Prefer interaction within the page

What about discoverability?



Pick Up at the Store

- DRAG Chips
- DRAG Milk
- DRAG Bread
- DRAG Orange Juice2
- DRAG Tomatoes
- DRAG Lettuce

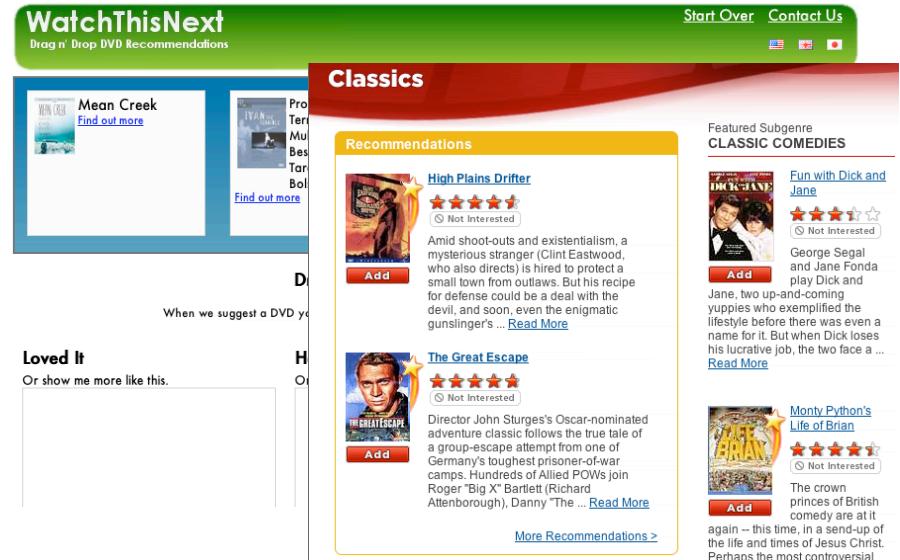
- What is spam?
- Can I transfer my message credits?
- How do I delete my HandyPay account?
- What if I didn't receive my full message package?
- I need to contact customer care regarding the Compose Text Message service.

Use direct editing on page content

What about save/cancel?

Avoid page jitter

Reduce the feeling of modes



Provide in-context tools

Only good for single operations

Can actually slow you down

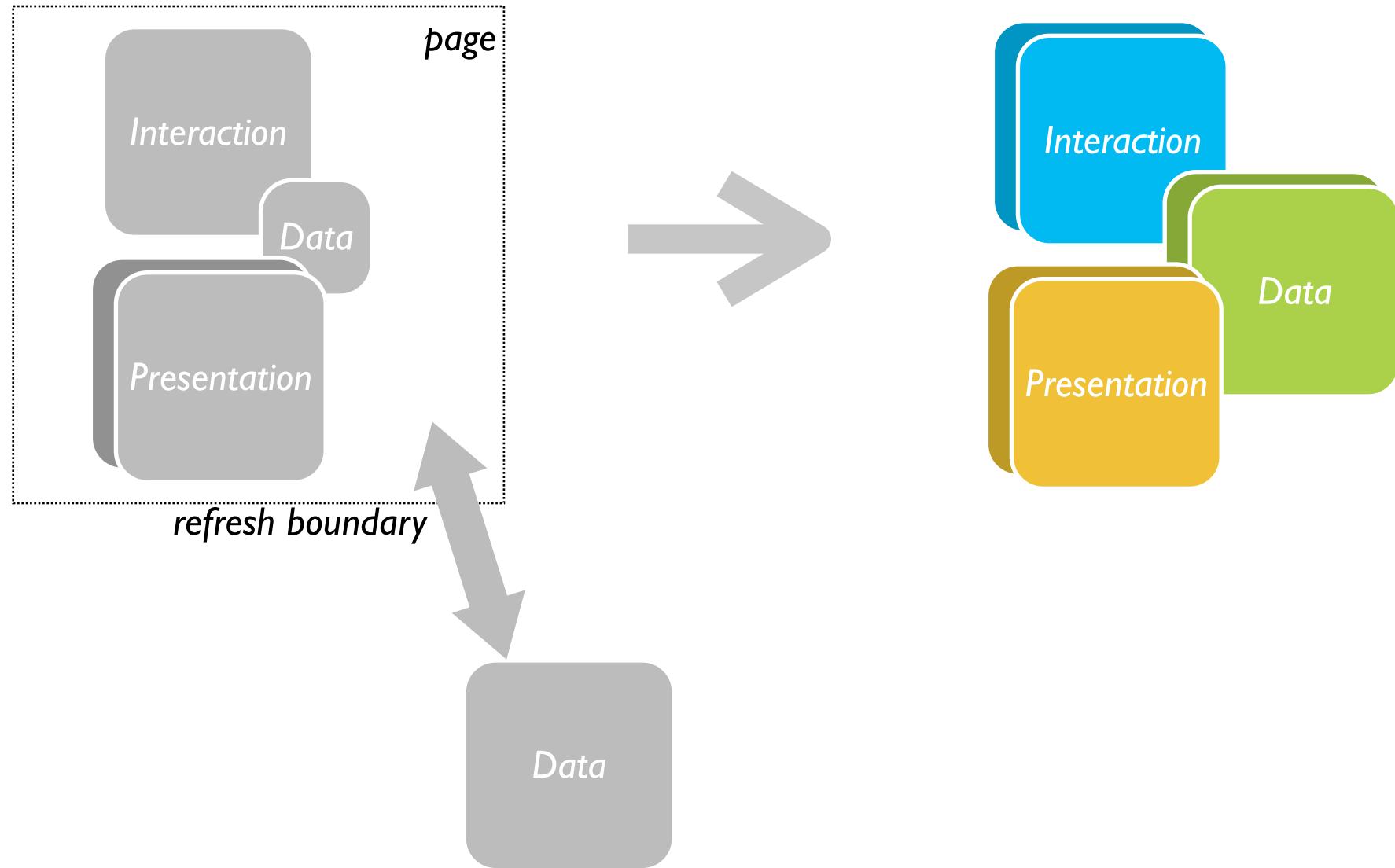


Use drag and drop where appropriate

Not for simply setting an attribute

Good for layout changes or containment

Needs transitions



2

Provide live feedback

Instant Search gives you answers as you type -- no more waiting!

Why feel lucky when you can be right? With Instant Search, results instantly appear for [Yahoo! Shortcuts](#) and common searches. Give it a spin! Type in these examples below, or try your own searches:

- boston weather
- wikipedia
- nfl
- 22 5th ave new york ny
- san francisco coffee shops
- dmv

ZUGGEST - an XMLHttpRequest Experiment using Amazon

This is my take on [Google Suggest](#) only with Amazon so I've called it "Amazon Zuggest". It lets you search Amazon (the US products only for now) as you type. You don't have to press Submit or Enter, just type. If you'd like to know [HOW IT WORKS](#) or have a comment, you can email me or [post feedback on this page](#). Enjoy.

| | | | |
|---|---|--|--|
| Ajax in Action [Book] List Price \$44.95 8 NEW from \$29.67 | Agile Web Development with Rails (The Facets of Ruby Series) [Book] List Price \$34.95 39 NEW from \$23.04 [\$23.41 used] | Foundations of Ajax (Foundation) [Book] List Price \$39.99 8 NEW from \$26.39 [\$26.37 used] | DHTML Utopia Modern Web Design Using JavaScript & DOM [Book] List Price \$39.99 25 NEW from \$26.37 [\$26.25 used] |
| Ajax Patterns and Best Practices [Book] List Price \$44.99 1 NEW from \$29.69 | Professional Ajax [Book] List Price \$39.99 1 NEW from \$26.39 | Black Ajax [Book] List Price \$12.95 8 NEW from \$7.76 [\$2.24 used] | Ajax Training Sessions [Book] List Price \$12.95 24 NEW from \$7.66 [\$7.71 used] |
| The Coaching Philosophies of Louis van Gaal and the Ajax Coaches [Book] List Price \$44.95 10 NEW from \$9.83 [\$9.83 used] | The Unknown Ajax (Reader's Choice) [Book] List Price \$6.59 1 NEW from \$12.99 [\$8.99 used] | | |



Ask Your Question

1. Enter your question

You can ask 5 more questions today.

2.

Add details (optional)

No spam, please! When in doubt, please refer to our [community guidelines](#).

3. Categorize the question

Arts & Humanities -> Auto & Transportation



[Flights](#) | [Hotels](#) | [Cars](#) | [Deals](#) | [Best Fare Buzz](#)

Round-trip One-way Multi-city

From

Show Nearby Airports

Leave

2/15/2006

Time

Anytime

To

Show Nearby Airports

Return

2/22/2006

Time

Anytime

Travelers

1

Cabin

Economy

Prefer Nonstop

[Search multiple sites](#) for [hundreds of airlines](#).

Find Athletes and Countries

PRESENTED BY
 CHEVROLET

Medal Count



GERMANY

11 12 6 29



UNITED STATES

9 9 7 25



CANADA

7 10 7 24



AUSTRIA

9 7 7 23



RUSSIA

8 6 8 22

[» Full Medal Count](#)

| | | |
|--|----------------------|------------|
| To: | <input type="text"/> | Show BCC |
| Cc: | <input type="text"/> | |
| Subject: | <input type="text"/> | Plain Text |
| <input type="button" value="Times New Roman"/> <input type="button" value="12"/> <input type="button" value="B"/> <input type="button" value="I"/> <input type="button" value="U"/> <input type="button" value="T"/> <input type="button" value="P"/> <input type="button" value="Smiley"/> <input type="button" value="Image"/> <input type="button" value="List"/> <input type="button" value="Table"/> <input type="button" value="Image"/> | | |


[Flights](#) | [Hotels](#) | [Cars](#) | [Deals](#) | [Buzz](#)

No

San Jose, CA to Las Vegas, NV Wed 15 Feb 2006 – Wed 22 Feb 2006 / round-

[Find Hotels or Cars for this trip](#)
[Start search over](#)
515 of 515 results shown [show all](#)

Stops

 nonstop 1 stop 2+ stops

Airlines

[select all](#) | [clear](#)

| | nonstop | 1+ |
|---|-----------------------|----|
| <input checked="" type="checkbox"/> Alaska Airlines | \$285 | |
| <input checked="" type="checkbox"/> America West | \$212 | |
| <input checked="" type="checkbox"/> American Airlines | \$194 | |
| <input checked="" type="checkbox"/> JetBlue Airways | \$192 | |
| <input checked="" type="checkbox"/> Multiple Airlines | \$198 | |
| <input checked="" type="checkbox"/> US Airways | \$212 | |
| <input checked="" type="checkbox"/> United | \$203 | |

 depart arrive

Wed 5:00a 10:30p


 depart arrive

Wed 6:00a Thu 12:00a


[Price*](#) ▲ [Airports](#)
[Airline](#)
[Depart](#)
[Arrive](#)
[Stops \(Duration\)](#)
[\\$189](#)
SJC > LAS
LAS > SJCAmerican Airlines
12:57p 10:00a2:21p 11:25a 0 (1h 24m)
0 (1h 25m)
[buy direct at: \[AA\]\(#\)](#)
[\\$192](#)
OAK > LAS
LAS > OAK
[buy direct at: \[jetblue\]\(#\)](#)
[\\$192](#)
OAK > LAS
LAS > OAK
[buy direct at: \[jetblue\]\(#\)](#)
[\\$192](#)
OAK > LAS
LAS > OAK
[buy direct at: \[jetblue\]\(#\)](#)
[\\$192](#)
OAK > LAS
LAS > OAK
[buy direct at: \[jetblue\]\(#\)](#)

 Welcome, billwaynescott
[\[Sign Out\]](#) [My Account](#)
[FareChase Home](#)
[Save to My Web](#) [Recom...](#)

Flight Results

Results 1 - 7 of 7 for San Jose, CA to Las Vegas, NV (02/22 - 03/01) (A)

[Flights](#) [Hotels](#)
[Change Your Search](#)

SPONSOR RESULTS

Flight to Vegas: Compare at Travelzoo

 Save on flights to Vegas at Travelzoo - Get great deals on flights to Vegas by comparing f...
[www.travelzoo.com](#)

Flights to Las Vegas: Sherman's Travel

 Search dozens of sites at once for discount offers on airfare, hotels, cruises, car rental...
[www.shermanstravel.com](#)
[Sort by: Low price](#) | [Departure times](#) | [Return times](#)
[\\$192](#)
[Ted](#) (flight details)

per person 10:19p-11:43p Non-stop SFO-LAS

7:17p-8:45p Non-stop LAS-SFO

[GO!](#)
[Ted](#)
[Book it now](#) - [Email](#) - [IM](#)
[flyted.com](#)
[\\$194](#)
[Multiple Carriers](#) (flight details)

per person 10:19p-11:43p Non-stop SFO-LAS

10:00a-11:25a Non-stop LAS-SJC†

[GO!](#)
[Book it now](#) - [Email](#) - [IM](#)
[cheaptickets.com](#)


blog: Looks Good Works Well | settings | help | sign out | feeds

measuremap

An overview of visitors during January 2006

Visitors to your blog

Feb

5271 visitors came to your blog
That's 2140 more than an average 10 day period.

10% of those visitors had been to your blog before
That's 521 visitors, 122 more than an average 10 day period.

Some numbers since you started tracking

Your blog has had **908** web sites have made **1** **424 links out from**

Measure Map is Questions or comments? Visit the [Measure Map forum](#)

DEPARTURE

| | |
|---|-----------------------|
| <input type="checkbox"/> 5am - 9am | \$187 |
| <input checked="" type="checkbox"/> 9am - 3pm | \$166 |
| <input checked="" type="checkbox"/> 3pm - 9pm | \$166 |
| <input checked="" type="checkbox"/> 9pm - 5am | \$192 |

RETURN

| | |
|---|-----------------------|
| <input checked="" type="checkbox"/> 5am - 9am | \$187 |
|---|-----------------------|

Check Mail Compose

Find Messages... **Go**

Flights to Las Vegas: Sherman's Travel

Search dozens of sites at once for discount offers on airfare, hotels, cruises, car rental... [www.shermanstravel.com](#)

Sort by: [Low price](#) | [Departure times](#) | [Return times](#)

\$166 [JetBlue](#) (flight details)

14:40p 5:10p 1 stop OAK-LAS

Your Domain Is Active

Yahoo! Webhosting <wh-professional@yahoo-inc.com>

To: yuiblogger@yahoo.com
Cc: billwscott@gmail.com

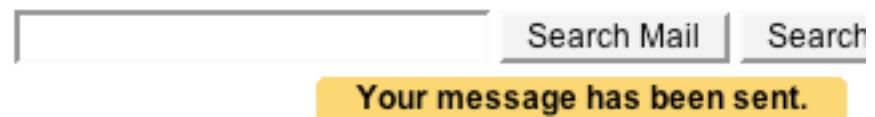
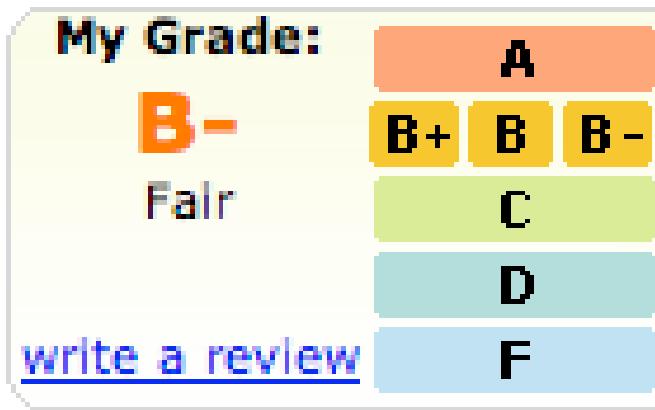
Standard Header ▾ | Hide Pane

Wed Feb 1 17:06:45 2006

Airports

| | | |
|---|--------------|---|
| <input checked="" type="checkbox"/> Oakland - OAK | \$166 | JetBlue (flight details) |
| <input checked="" type="checkbox"/> San Francisco - SFO | per person | 1:55p-5:10p 1-stop OAK-LAS |
| <input checked="" type="checkbox"/> San Jose - SJC | jetBlue | 3 return times available at this price |

[Book it now](#) - [Email](#) - [IM](#) [jetblue.com](#)



Ask Your Question

1. Enter your question

You can ask 5 more questions today.

You have 110 characters to work with. Add details below.

(BETA)

- [Search](#)
- [Tags](#)
- [Blog Finder](#)
- [Popular](#)
- [About](#)

in

▼

▶ Options

882,052 posts about:

[Add to Watchlist](#)

president bush

[Search related blogs](#)

Related tags: [Politics](#), [Hurricane Katrina](#), [Iraq](#), [Katrina](#), [Hurricane](#), [Supreme Court](#).

- ▶ [Recent Posts tagged president bush](#)
- ▶ [Top Blogs about president bush](#)

[View Tag »](#)

[View Blogs »](#)



Loading



Loading

20 posts in the last 44 minutes in ▼

Weapons-grade Bullshit

to bring down the evil **Bush**/Cheney/Rumsfeld neo-con cabal, but tragically scoring only collateral... and essentially accused the Vice **President** of the United States of treason—with absolutely no evidence

Posted 9 minutes ago in [protein wisdom](#) 1,004 links [Search this blog](#)

The Shocking Case of Ahmed Omar Abu Ali

members into the U.S. by means of Mexico, to commit aircraft piracy, and to kill **President Bush**

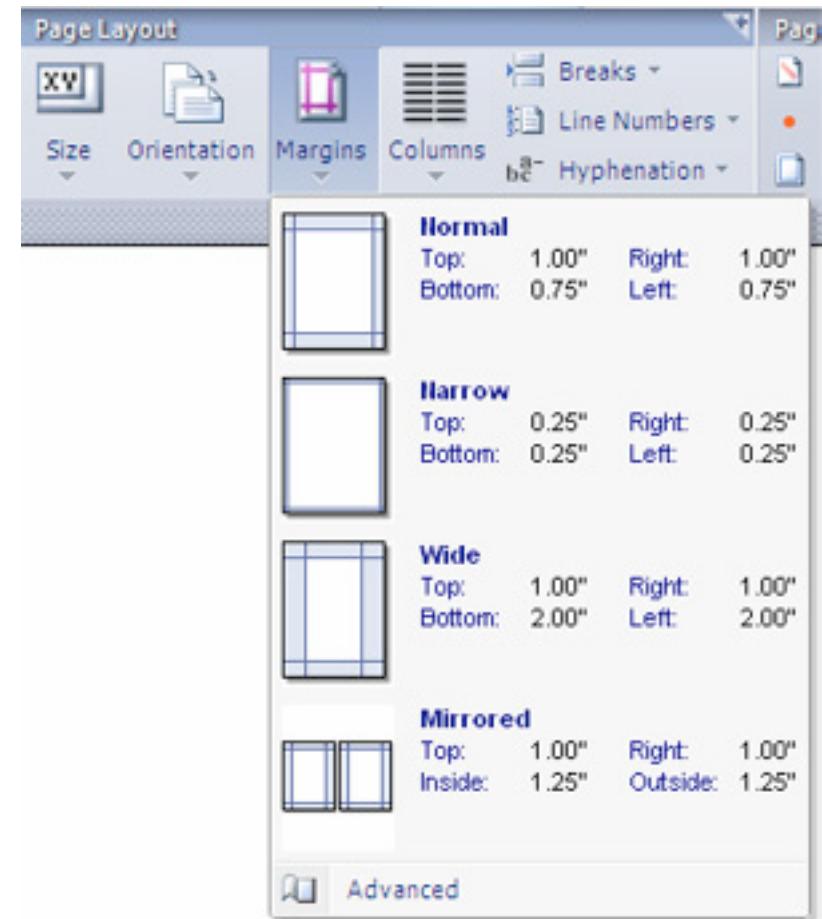
Posted 12 minutes ago in [Cassel: Civil Liberties Watch](#) 0 links

[Search this blog](#)

digg spy: a real-time view of digg

spy on all stories spy on queued stories spy on front page stories

| What? | Diggs | Story |
|-------|-------|--|
| | +695 | Nintendo DS download station finder! http://www.nintendo.com/dsdownloadstation/ |
| | +1399 | How To Build a Game In A Week From Scratch With No... http://www.gamedev.net/reference/articles/article2121.html |
| | +86 | David Hahn - The kid who built a nuclear reactor i... http://en.wikipedia.org/wiki/David_Hahn |
| | +201 | Another Apple Mac mini Dual Core 1.66GHz Review http://reviews.designtechnica.com/review3531.html |
| | +85 | David Hahn - The kid who built a nuclear reactor i... http://en.wikipedia.org/wiki/David_Hahn |



Office 12 Live Preview



size & color overview X

Buy More and Save

select Color:

white
\$29.50 **Buy 2 or more, \$25.00 each**

\$29.50 **\$9.99**

select Size:

| | | |
|------|----|-----|
| XS | S | M |
| L | XL | XXL |
| XXXL | | |

also in tall
(prices may vary)

select qty

size chart more details

white
\$29.50

add to bag

Pique polo
Imported.
only at gap.com

Indication. Busy Indication.
Cursor Busy. In Context
Busy. In Context Progress.
Inline Status. Auto
Complete. Balloon Error Tip.
Deferred Content Loading.
Dynamic Goal. Narrowing
Choices. Refining Search.
Live Search. Live Preview.
Live Suggest. Character
Counter.

Keep the goal in mind

Design for immediacy

Is it narrowing or is it distracting

Use feedback to boost confidence

Let the user iterate where possible

Most Popular

Most Emailed | Most Viewed | Most Recommended | My Sources

[Lonely elephants, edgy apes baffled by post-Katrina life at zoo](#) Knight Ridder - Sun Oct 16, 4:40 PM ET

 NEW ORLEANS - An AWOL alligator has resurfaced, elephants are forlorn and apes are agitated at Audubon Zoo, one of the nation's most renowned animal sanctuaries, left by Hurricane Katrina both broken and broke.

[All Most Emailed](#)

World

Just-in-time data

Students to Enroll

| Crew Id | Last Name | First Name |
|---------|-----------|------------|
| 600922 | Peterson | Shelley |
| 493254 | Craft | Adrian |
| 432916 | McHughes | Elayne |
| 468370 | Hill | Petra |
| 999300 | Barnes | James |
| 344935 | Smith | James |
| 139224 | Hillier | Gordon |

Course Calendar

| DEC 2005 | | | | | | |
|----------|----|----|----|----|----|----|
| S | M | T | W | T | F | S |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 29 | 30 | 31 | | | | |

Students to Enroll

| Crew Id | Last Name | First Name |
|---------|-----------|------------|
| 600922 | Peterson | Shelley |
| 344935 | Craft | Adrian |
| 432916 | McHughes | Elayne |
| 468370 | Hill | Petra |
| 999300 | Barnes | James |
| 139224 | Hillier | Gordon |

Course Calendar

| DEC 2005 | | | | | | |
|----------|----|----|----|----|----|----|
| S | M | T | W | T | F | S |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 29 | 30 | 31 | | | | |

Just-in-time logic



Instant Search BETA

Search the Web

Instant Search gives you answers as you type -- no more waiting!

Why feel lucky when you can be right? With Instant Search, results instantly appear for [Yahoo! Shortcuts](#) and common searches. Give it a spin! Type in these examples below, or try your own searches:

- boston weather
- wikipedia
- nfl
- 22 5th ave new york ny
- san francisco coffee shops
- dmv

YAHOO! search [php.net](#)

monterey bay

from the Web next

- + Monterey.com
- + California State University, Monterey Bay
- + Monterey Bay - National Geographic
- + Monterey Bay Aquarium
- + Monterey Bay Aquarium: Live Web Cams
- + City of Monterey
- + NDBC - Station 46042
- + Monterey Bay Aquarium Research Institute
- + Skydive Monterey Bay
- + Monterey Bay

See Also: [monterey bay aquarium](#), [monterey bay clothing](#), [monterey bay ca, cal state monterey bay](#), [monterey bay inn, csu monterey bay](#), [monterey bay suites](#), [monterey bay hotels](#), [monterey bay lodge](#), [monterey bay jobs](#)



Web Images Groups News Froogle Local more »

[Google Search](#) | [I'm Feeling Lucky](#)

ype, Google will offer suggestions. Use the arrow keys to navigate the results. [L](#)

[Feedback](#) - [Discuss](#) - [Terms of Use](#) - [FAQ](#)

©2006 Google

Keep the goal in mind

Design for immediacy

Is it narrowing or is it distracting

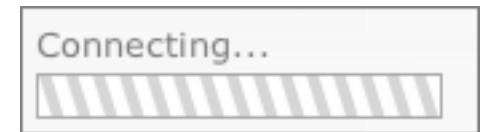
Use feedback to boost confidence

Let the user iterate where possible

Keep the user engaged

Time passes faster

Look for engaging moments



Keep the goal in mind

Design for immediacy

Is it narrowing or is it distracting

Use feedback to boost confidence

Let the user iterate where possible

Keep the user engaged

Time passes faster

Look for engaging moments

Find a domain name:

www. (ex. widgetdesigns.com)

Search

Required information for Google account

Your current email address:

e.g. myname@example.com. This will be your username and sign-in.

Choose a password:

[Password strength: Too short](#)

Minimum of 6 characters in length.

Use live-previews

Look before you leap

Keep the goal in mind

Design for immediacy

Is it narrowing or is it distracting

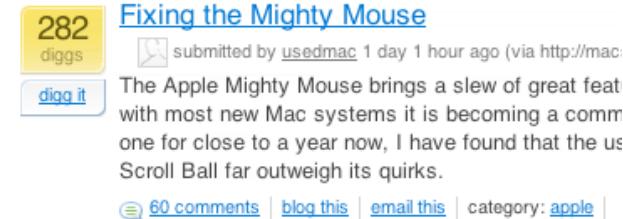
Use feedback to boost confidence

Let the user iterate where possible

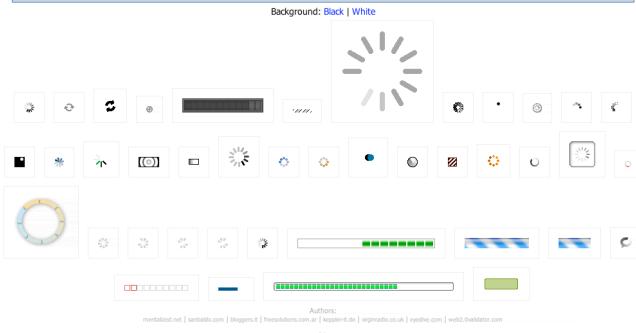
Keep the user engaged

Time passes faster

Look for engaging moments



AJAX Activity Indicators



Use live-previews

Look before you leap

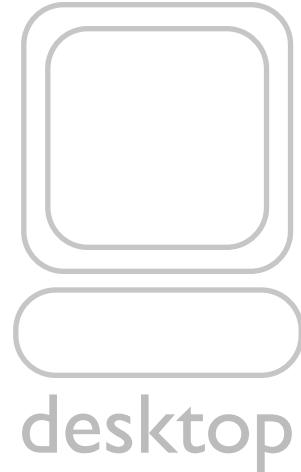
Keep feedback focused

Keep it in context

Updating too many areas at once will be confusing

Show dynamically what is relevant

Avoid creating feedback noise/jitter



hover blur focus **click key**
shiftclick doubleclick
drag dragdrop dragflipdrop
shiftdoubleclick tripleclick shifttripleclick

hover blur **focus** **click key**
shiftclick doubleclick
drag dragdrop dragflipdrop
shiftdoubleclick tripleclick shifttripleclick



hover blur focus **click**
key shiftclick doubleclick dragdragdrop

hover blur focus **click**
key shiftclick doubleclick dragdragdrop

3

Offer an invitation

Park near our new home



Lists

Remove this item

[Add item](#) or [I'm done adding items](#)

[Make a new list](#)

My Grade:

| | |
|--------------------------------|------------------------------|
| B- | A |
| Fair | B+ B B- |
| | C |
| | D |
| write a review | F |

classic



Pique polo
\$9.99-\$29.50
Buy More and Save



double mini striped
pique polo
\$29.50
Buy 2 or more, \$25.00
each [See All](#)



allover striped pique
polo
\$29.50
Buy 2 or more, \$25.00
each [See All](#)



rugby stripe pique polo
\$29.50
Buy 2 or more, \$25.00
each [See All](#)

| From | Subject |
|---------------|-------------------------------|
| peter doersma | Welcome! |
| peter doersma | Weekend Extra |

To see a product preview in action, hover over the link below.



Forty Associates recently added product previews to their Web site as part of a small beta program. During the beta, visitors to Associate sites who viewed a product preview clicked through to Amazon.com over 4% of the time; those clicks resulted in a purchase nearly 6% of the time.

Now we're opening the beta up to all Associates to further improve product previews. The first 500 Associates who refer a sale through a product preview-enhanced link will receive a \$5 Amazon gift certificate. [Click here to join your fellow Associates in beta testing product previews.](#)

Don't worry if you don't already have Basic Display Product Links on your Web site. You can create them as part of the sign-up process. [Click here](#) for answers to questions you might have about the beta program.

The screenshot shows a travel website interface with several interactive elements:

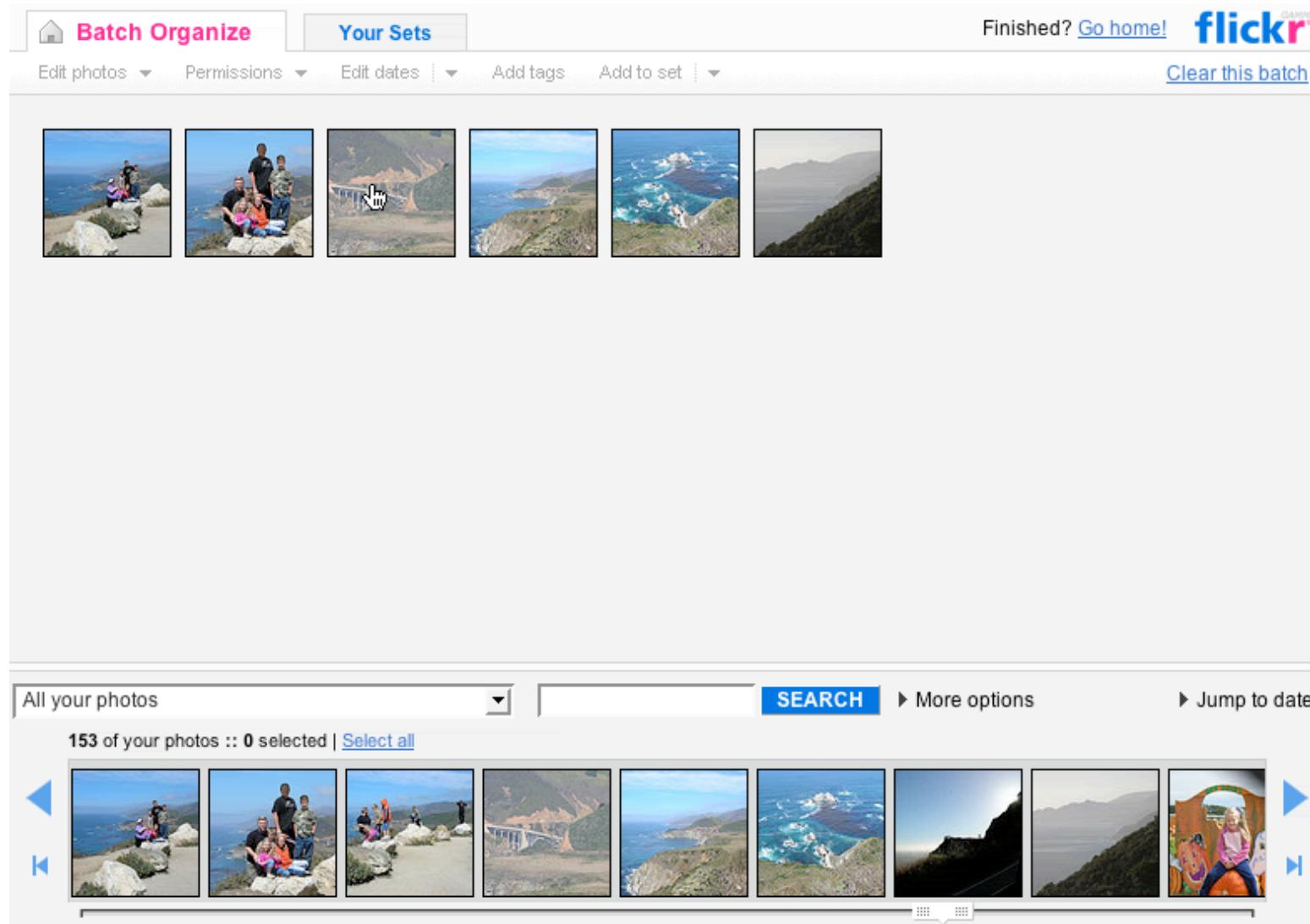
- Header:** Hello Bill [Sign Out, My Account] 48° - 60°
- Top Bar:** Add Content, Change Layout, Change Colors
- Left Sidebar:** Best Fare Tracker (Depart: New York, NY - all, Paris, France - all \$193.00); Depart: Seattle/Tacoma, WA (Honolulu, HI \$333.60); Depart: San Francisco, CA (London, United Kingdom - all \$253.00); Find other Best Fares: From: [input], To: [input], Adults: 1 [dropdown], Search [button].
- Scoreboard:** TODAY: no games for selected teams; YESTERDAY: NHL (Detroit vs. Dallas 1-2, F), NBA (Utah vs. Dallas 89-103, F). A link to Listen to live audio of college games is also present.
- Message Center:** Check Email, Launch Messenger 11 friends on

Students to Enroll

| | Crew Id | Last Name | First Name |
|---|---------|-----------|------------|
|  | 349394 | Craft | Adrian |
|  | 432939 | Douglas | Elayne |
|  | 468370 | Hill | Petra |

Course Calendar

| DEC 2005 | | | | | | | |
|----------|-----------------|----|--|----|----|----|---|
| S | M | T | W | T | F | S | |
| | | | | | 1 | 2 | 3 |
| 4 | 5 | 6 | 7 | 8 | 9 | 10 | |
| | 600922/Peterson | | 999300/Barnes 344935/Smith 139204/Miller | | | | |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | |
| 18 | 19 | 20 | 21 | 22 | 23 | 24 | |
| 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
| | | | | | | | |

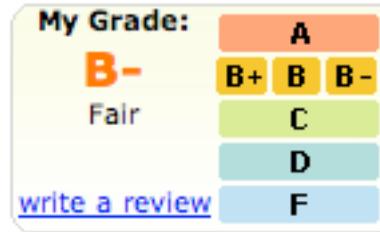


**Invitation. Cursor Invitation.
Drop Invitation. Tool Tip
Invitation. Hover Invitation.**

Make it engaging

Use lightweight events as a welcome mat

Rediscover the hover



Lists

Remove this item

Add item or [I'm done adding items](#)

[Make a new list](#)

Make it engaging

Use lightweight events as a welcome mat
Rediscover the hover



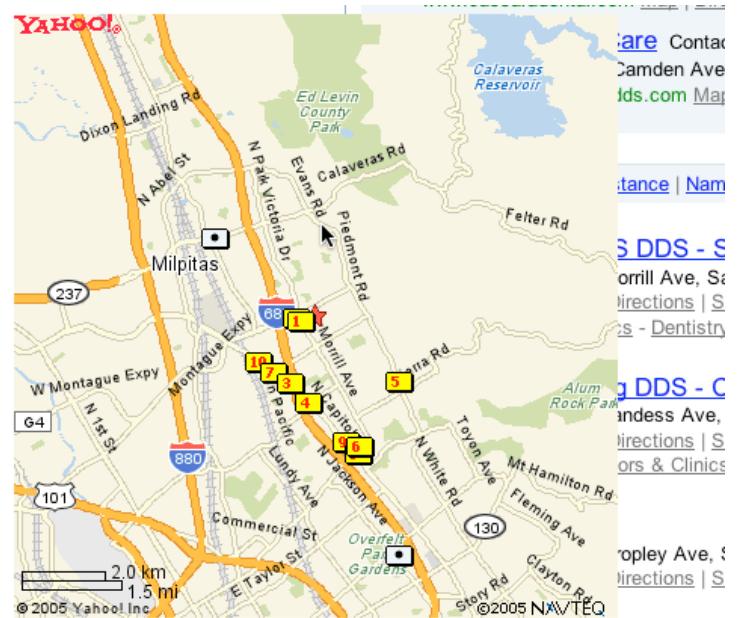
Forty Associates recently added product previews to their Web site as part of a small beta program. During the beta, visitors to Associate sites who viewed a product preview clicked through to Amazon.com over 4% of the time; those clicks resulted in a purchase nearly 6% of the time.

Now we're opening the beta up to all Associates to further improve product previews. The first 500 Associates who refer a sale through a product preview-enhanced link will receive a \$5 Amazon gift certificate. [Click here to join your fellow Associates in beta testing product previews.](#)

Don't worry if you don't already have Basic Display Product Links on your Web site. You can create them as part of the sign-up process. [Click here](#) for answers to questions you might have about the beta program.

Keep actions out of it

Don't make the user afraid to explore
Don't proselytize



Make it engaging

Use lightweight events as a welcome mat

Rediscover the hover

Keep actions out of it

Don't make the user afraid to explore

Don't proselytize

Park near our new home

 ADD NOTE  SEND TO GROUP  ADD TO SET  BLOG THIS  ALL SIZES  ORDER PRINTS  ROTATE  DELETE 



Get the actors involved

Hover Invitation

Cursor Invitation

Tooltip Invitation



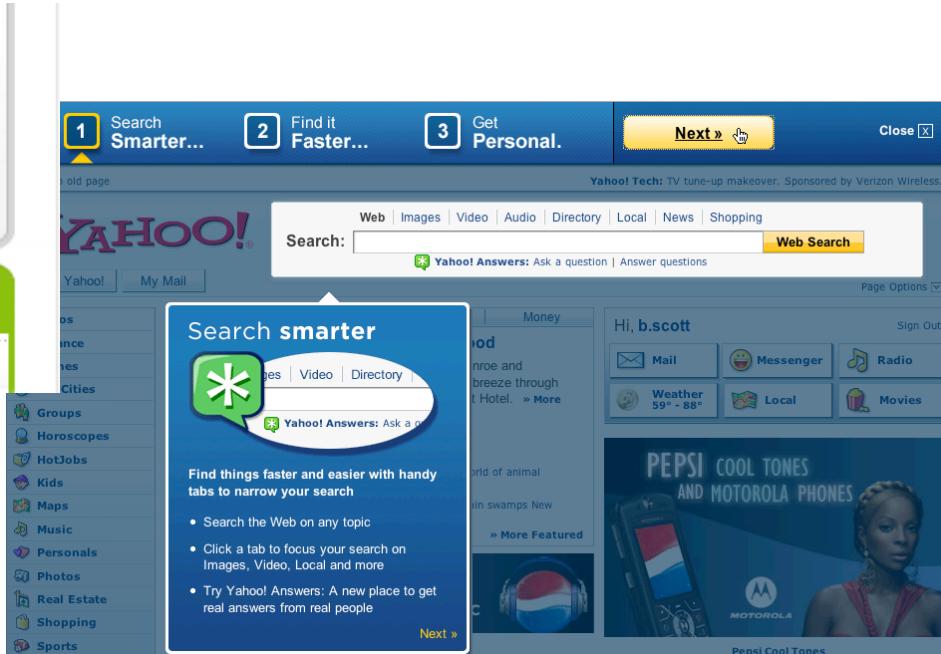
Make it engaging

Use lightweight events as a welcome mat
Rediscover the hover



See All Digital Cameras

ES



Get the actors involved

Hover Invitation
Cursor Invitation
Tooltip Invitation



Keep actions out of it

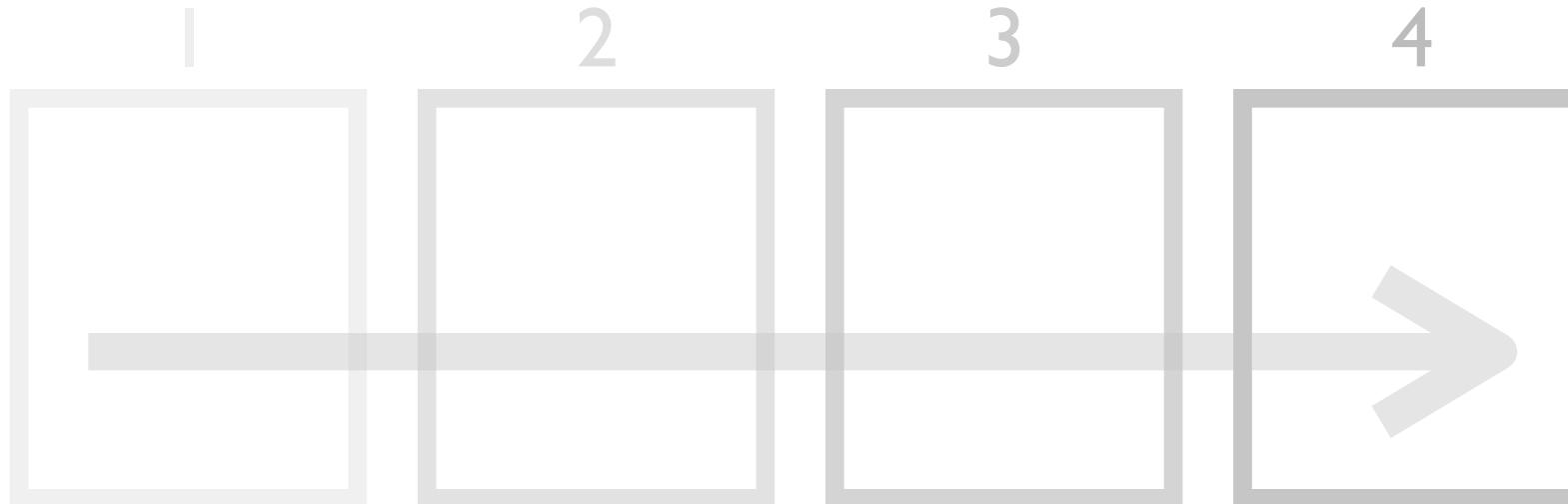
Don't make the user afraid to explore
Don't proselytize



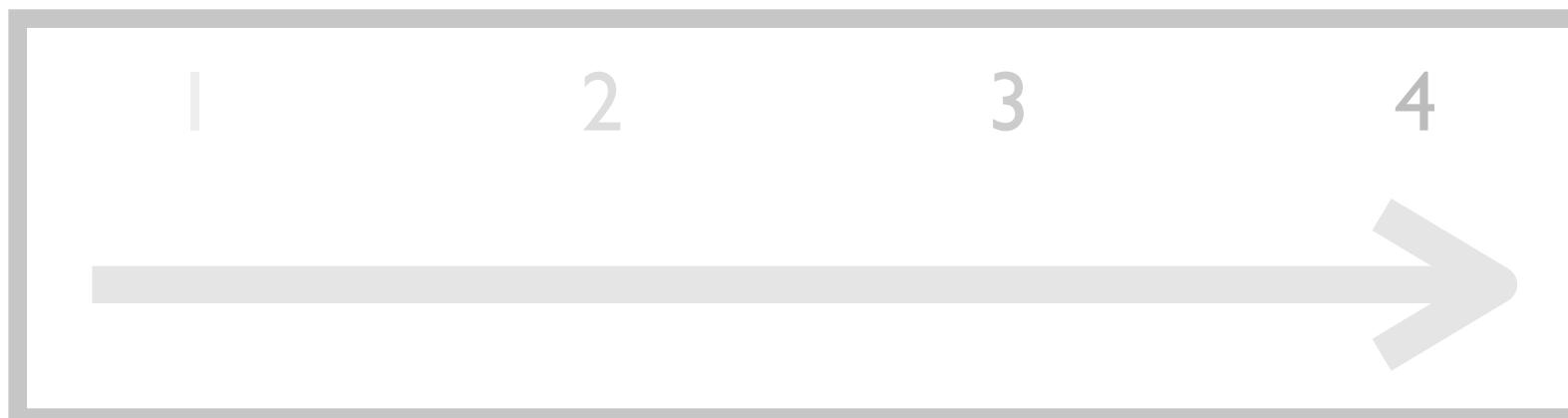
Use invitations to aid discoverability

Two challenges: idiom & feature
Adding signposts, always-on clues doesn't scale
Add tours, help pedals, tips, spotlights

Shift. In-Page Interaction.



classic flow across pages



rich flow within page

4

Cross borders reluctantly

Rico LiveGrid

RICO AJAX SEARCH

LiveGrid Demonstration

Select Search Category: **Web** Images Videos

Powered by Yahoo! Search

Search the Web:

Search Results Results 1 - 5 of about 10600000 for monterey bay

- [Monterey.com](http://www.monterey.com)
guide to attractions, lodging, dining, and more. A service of the Monterey Peninsula Visitors and Conventions Bureau.
<http://www.monterey.com/> - text/html
- [California State University, Monterey Bay](http://csumb.edu/)
comprehensive state university which values service through high quality education.
<http://csumb.edu/> - text/html
- [Monterey Bay - National Geographic](http://www.nationalgeographic.com/monterey/ax/primary_fs.html)
Monterey Bay @ nationalgeographic.com ...
http://www.nationalgeographic.com/monterey/ax/primary_fs.html - text/html
- [Monterey Bay Aquarium](http://www.mbayaq.org/)
mission is to inspire conservation of the seas.
<http://www.mbayaq.org/> - text/html
- [Monterey Bay Aquarium: Live Web Cams](http://www.mbayaq.org/efc/cam_menu.asp)
Eight live cameras of the Monterey Bay Aquarium's marine life exhibits and Monterey Bay, Monterey, CA. ... Monterey Bay Aquarium, 886 Cannery Row, Monterey, CA 93940 Tel: (831) 648-4800. © 1999-20
http://www.mbayaq.org/efc/cam_menu.asp - text/html



YAHOO! MAIL BETA

Welcome, b.scott Yahoo! My Yahoo! News Sign Out, My Account, Switch Back Search the Web... Search

Inbox 2324 messages Send Feedback | Options | Help ▾

From Subject

- me Re: rico question Thu, [Looks Good Works Well] 1/19/2006 01:13: Thu,
- Bill Scott JDJ Industry Newsletter Java Named "Programming Language of the Thu,
- Theresa Neil Price Alert! Flight + 5 Night Hotel to Honol Thu,
- Damon Houglund Re: Job Description Thu,
- Finan, Angelique Job Description Thu,
- David Schontzler RE: Speaking Engagement Opportunity Thu,
- TagWorld Re: [ng-dhtml] assert(), isNumeric(), isOffT Thu,
- me This week in TagWorld Thu,
- rico question Thu,
- Anonymous [Looks Good Works Well] 1/19/2006 10:22: Thu,
- Anonymous [Looks Good Works Well] 1/19/2006 10:19: Thu,
- Anonymous [Looks Good Works Well] 1/19/2006 10:19: Thu,
- Anonymous [Looks Good Works Well] 1/19/2006 10:19: Thu,

Inbox Drafts Sent Spam (501) Empty Trash (3) Empty

Contacts Calendar Notepad All RSS Feeds Add

My Folders dojo-maillist (4) ID Disc Karthik-Referrals Keep MerchantSpam (149) ux mail lists (1863) Add

What's your Credit Score? Netflix-Try Free! No Late Fees Online Degree Programs

Standard Header ▾ Hide Pane

Got your eye on one of those messages up there? To view your message down here in this handy Reading pane, just click on it. To select more than one, hold the Shift or Command key.

Yahoo! Mail Beta (Oddpost)



Carousel



- At the very least make your paging fast

The screenshot illustrates two examples of live paging:

Top Example: International Herald Tribune Article

The International Herald Tribune website displays a news article titled "Cycling: The time trial champ seeks place in history" by Samuel Abt. The article is dated Thursday, September 22, 2005. The page includes a sidebar with links to other sports news and language tools. A vertical scrollbar is visible on the right side of the main content area.

Bottom Example: Social Networking Interface

A social networking interface shows a list of 1-4 of 12 friends online. The friends listed are annetto8, chanel_wheeler, chejll.rm, and darren.james. Each friend is represented with a small profile icon and their name in blue text. Below the list is a link to "See your friends on 360". Navigation buttons for "Prev" and "Next" are visible at the bottom of the list.

Buy 1 or more, save \$14.55 each [See All](#) #308593
prices may vary

select Color: navy
\$44.50 Buy 1 or more, save \$14.55 each [See All](#)



select Waist: 38W select Length: 30L

| | | | |
|-----|-----|-----|-----|
| 28W | 29W | 30W | 31W |
| 32W | 33W | 34W | 35W |
| 36W | 38W | 40W | 42W |
| 44W | 46W | | |

[size chart](#)

Quantity: navy, 38W 30L **\$44.50** [add to bag](#)

CH [▼ Search by topic](#)

Contact: [Private](#)

How can we be of service?

[Select...](#)

Signed in as [billwscott](#) | [Send Feedback](#) | [Help](#) | [My](#)

1 Select Page: or [Create new page](#)

2 Review Item: [About VideoEgg](#) **VideoEgg**
Added by billwscott (12/1/05) from [www.videoegg.com](#)
It means internet video publishing as simple as it ought to be—like posting a photo or frying an egg. VideoEgg, Inc. is an innovative, venture-backed company committed to...

Does it look OK to you? If not, then [fix details](#).

3 [Submit](#) [Cancel](#)



select Color: **babe pink combo** #357223

\$14.50

select Size:

XS S M L XL XXL

[size chart](#)

Quantity: babe pink combo

\$14.50

please select a Size before adding to bag

select 



[more views](#)

Required information for Google account

Your current email address: e.g. myname@example.com. This will be your username and sign-in.

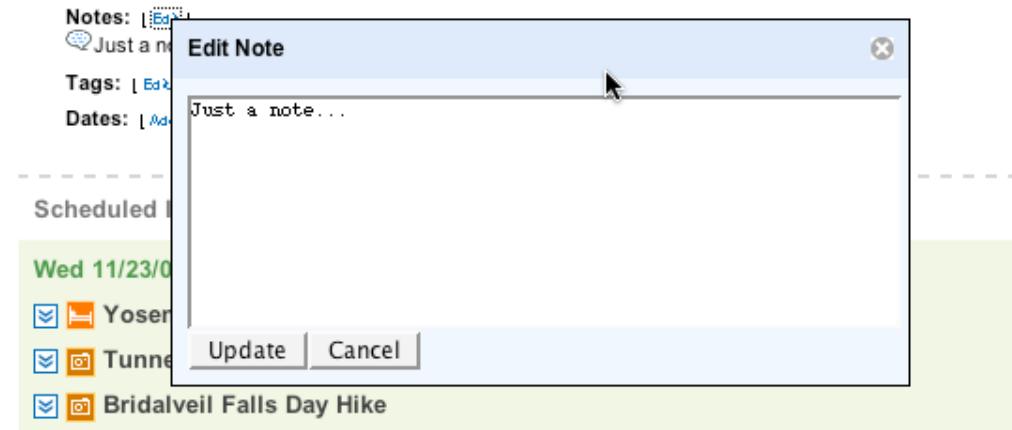
Choose a password: [Password strength: Too short](#)
Minimum of 6 characters in length.

Find a domain name:

www. { **Search**

(ex. widgetdesigns.com)

- For **introduction** of features
- For giving **instruction**
- For revealing **information**
- For **interrogative** feedback
- For obtaining **input**
- For important **interruptions**
- For **indication** of status or progress
- For offering an **invitation**



Wired News: Top Stories [edit](#) [X](#)[Christians Code Heavenly Games](#)[Cloning the Best in Show](#)[Brain Workouts May Tone Memory](#)**Movies** [edit](#) [X](#)[Showtimes for 76208 »](#)

Must Love Dogs 1hr 30min - Rated PG-13

Schedule View [Map View](#) [Expand all](#)

[+ Add](#) [Hotels](#) | [Things to do](#) | [Restaurants](#) | [Shopping](#) | [Entertainment](#) [Create Item](#)

Trip Album [Add Photos »](#)

Yosemite National Park

  John Muir Vernal Falls Mist Trail Hike » [Schedule](#)

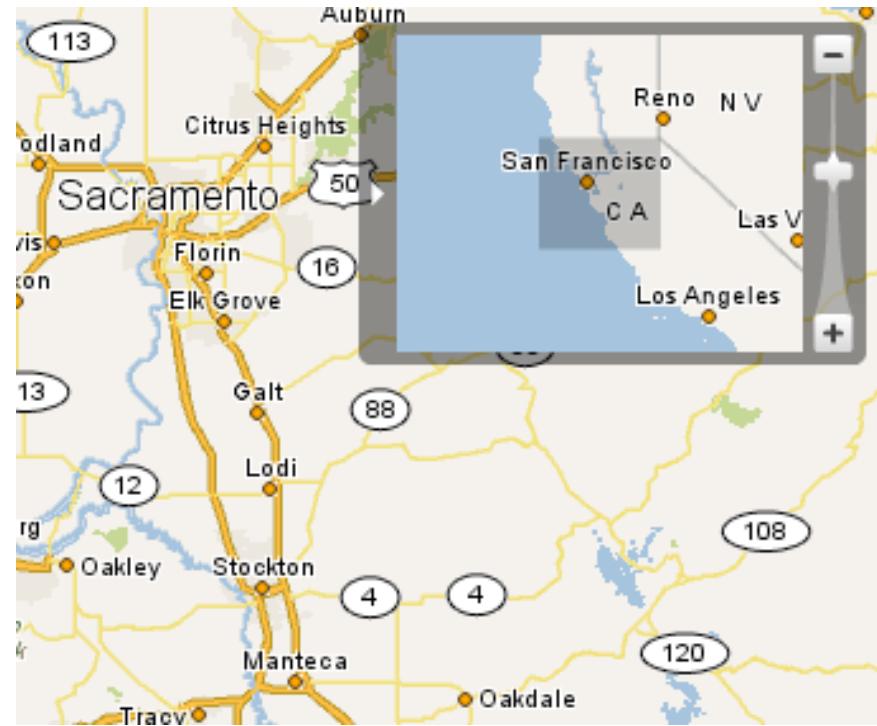
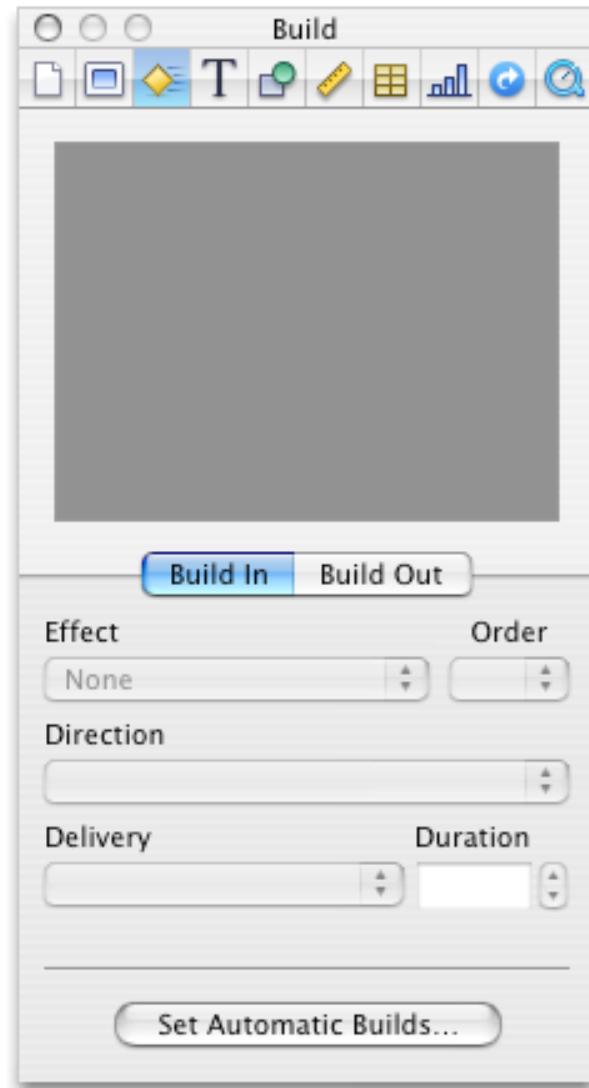
Scheduled Items

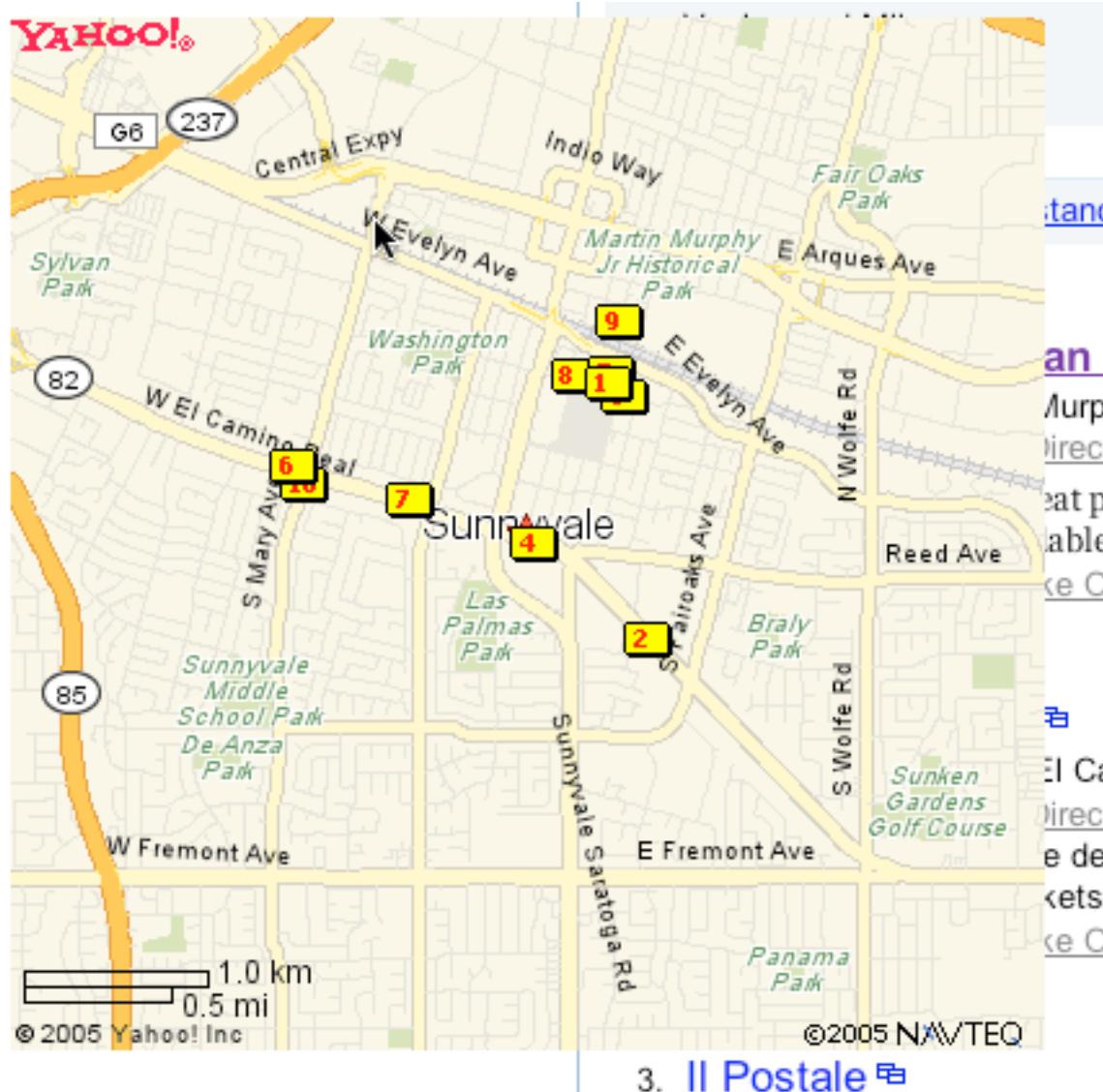
Wed 11/23/05 (day 1) - Yosemite Natl Pk, Yosemite National Park

  Yosemite Lodge

  Tunnel View

  Bridalveil Falls Day Hike





**Endless Scrolling. Expandable Paging
Boundary. Fresh Content. Hover Detail.
In Place Drill Down. Inline Assistant.
Inline Validation. Validate Then Suggest.
On Demand Refresh. Resizable Modules.
Scrolling Modules. Detail Zoom. Opacity
Focus. Configurable Module-Faceplate.
Configurable Module-Flip It.
Configurable Module-Inline Configure.
Configurable Module-Slide Out Drawer.
Slide Out. Flip. Opacity Fade.**

Rethink process flows

It's the user's model, not the page model
Every page jump is a mental speed bump

Product Page (Left):

size & color [overview](#) [X](#)

select Color: khaki
\$42.50

select Waist:
28W 29W 30W 31W
32W 33W 34W 35W
36W 38W 40W 42W
44W 46W

select Length:
28L 29L 30L 31L
32L 33L 34L

also in [tall](#)
(prices may vary)

select qty [more details](#)

[size chart](#) [more details](#)

khaki
\$42.50

[add to bag](#)

[more views](#)

My Account Page (Right):

My Account
See Order Status
Sign In

2 items in [my bag](#) [checkout](#)

RESISTANT TECHNOLOGY

DRESS PANTS
Experience the craftsmanship and premium fabrics of quality cotton and wool blends.

Rethink process flows

Its the user's model, not the page model
Every page jump is a mental speed bump

| Photo Click for info | Price | Bd/Ba Sq Ft | Address and Area Presented By | MLS # (Click for info) | More Photos (Click for) | Virtual Tours (Click for) |
|-------------------------|---------------------------|----------------|---|---------------------------|----------------------------|------------------------------|
| | \$1,750,000 Single Res | 6+, 4+ 3700 | 14080 BEAR CREEK RD Boulder Creek, CA 95006 (San Llore Valley) Schwarzbach Associates | | | |
| | \$1,995,000 Single Res | 6+, 4+ 5675 | 17617 MOUNTAIN CHARLIE RD LOS GATOS, CA 95033 (Unincorporated Los Gatos Mtns) Almaden Oaks Realtors | | | |
| | \$2,286,000 Single Res | 5, 4+ 4800 | 20930 PANORAMA DR Los Gatos, CA 95033 (Los Gatos M Alain Pinel Realtors | | | |
| | \$2,750,000 Single Res | 5, 4+ 5000 | 155 LARITA DR Ben Lomond, CA 95005 (San Lorer Valley) Network Alliance Real Estate | | | |
| | \$2,777,000 Single Res | 5, 4+ 5819 | 777 HAPPY VALLEY RD Scotts Valley, CA 95065 (Scotts Val Linda Burroughs Real Estate | | | |

New Search

<< Pre

Rethink paging

Its the user's model, not the paging model
Use scrolling for "owned" data
Watch out for dual scroll bar issue

RICO AJAX SEARCH

LiveGrid Demonstration

Powered by Yahoo! Search

Select Search Category: Web Images Videos

Search Images: Search Yahoo!

Search Results Results 1 - 5 of about 1580284 for flowers

| | |
|--|---|
| | flowers 025 flowers021.jpg 110k 29Feb2004 flowers022.jpg 783k 29Feb2004 flowers023.jpg 186k http://wp.li.ru/flowers 1024x768 - jpeg fmt - 0.3MB |
| | flowers 063 flowers059.jpg 122k 29Feb2004 flowers060.jpg 134k 29Feb2004 flowers061.jpg 120k http://wp.li.ru/flowers 1024x768 - jpeg fmt - 0.1MB |
| | flowers 045 flowers041.jpg 277k 29Feb2004 flowers042.jpg 125k 29Feb2004 flowers043.jpg 744k http://wp.li.ru/flowers 1024x768 - jpeg fmt - 0.1MB |
| | flowers 076 flowers072.jpg 820k 29Feb2004 flowers073.jpg 160k 29Feb2004 flowers074.jpg 120k http://wp.li.ru/flowers 1024x768 - jpeg fmt - 0.1MB |
| | flowers 019 flowers015.jpg 781k 29Feb2004 flowers016.jpg 455k 29Feb2004 flowers017.jpg 143k http://wp.li.ru/flowers 1024x768 - jpeg fmt - 0.3MB |

Rethink process flows

Its the user's model, not the page model
Every page jump is a mental speed bump

Backbase AJAX RSS Reader

http://www.backbase.com/demos/RSS/#[0]

UENav Yahoo! Calendar - bi... Yahoo! Backyard Furl It TinyURL! Rich Interaction Patte... Uncategorized Pla

Y! deep linking richard cowin Search Web My Web Bookmarks My Yahoo! Yahoo!

AS... Hacki... Bscott... Back... Ifram... Richa... Ajaxi... Book...

BACKBASE AJAX RSS Reader: [Download](#) | [About](#)

Search Advanced Show /

Infoworld

Live Archive

Monday 16 January

5:00 [SOA governance steps into the spotlight](#)

3:00 Data theft hits the Bahamas

3:00 Macs get Intel inside

3:00 Product previews

Friday 13 January

15:33 Security vendors looking to define 'rootkit'

13:23 [Salesforce.com goes live with AnnExchange](#)

Slashdot

Live Archive

Tuesday 17 January

20:26 [Vint Cerf Answering Questions on Top-Level Domains](#)

18:38 [Nanobatteries Power Artificial Eyes](#)

16:32 [NCC Calls for Laws to Protect User Rights](#)

Monday 16 January

15:29 [Anonym.OS a Boon for Privacy Geeks?](#)

14:01 [First Draft of GPL Version 3](#)

Ajaxian

Live Archive

Monday 16 January

10:16 [Announcing Wizlite: Collaborative Page Highlighting](#)

7:45 [Lightbox.js - easy image overlays with javascript](#)

7:37 [Quick ajax php function reference](#)

Friday 13 January

7:58 [Bubbleshare: Photo Sharing Community](#)

5:08 [Ajax Navigation in WikiCalc 0.2](#)

Rethink paging

Its the user's model, not the paging model
Use scrolling for "owned" data
Watch out for dual scroll bar issue

Plan for linking, crawling and back button

Not everything is a single page application
What will the user think the back button does?

Use overlays

For momentary interruption

Replace page transition

When editing an individual, more complex item

Be symmetrical

Not disturb the page

- **Starter Web Page**

Publish basic information on a placeholder [web page](#) — until you're ready to upgrade to a full web site.

[View a sample.](#)



- **Domain Locking**

Safeguard your domain from hijacking and unauthorized transfers with [domain locking](#). Yahoo! Domains secures your domain for you — and only you.

- **Domain Forwarding**

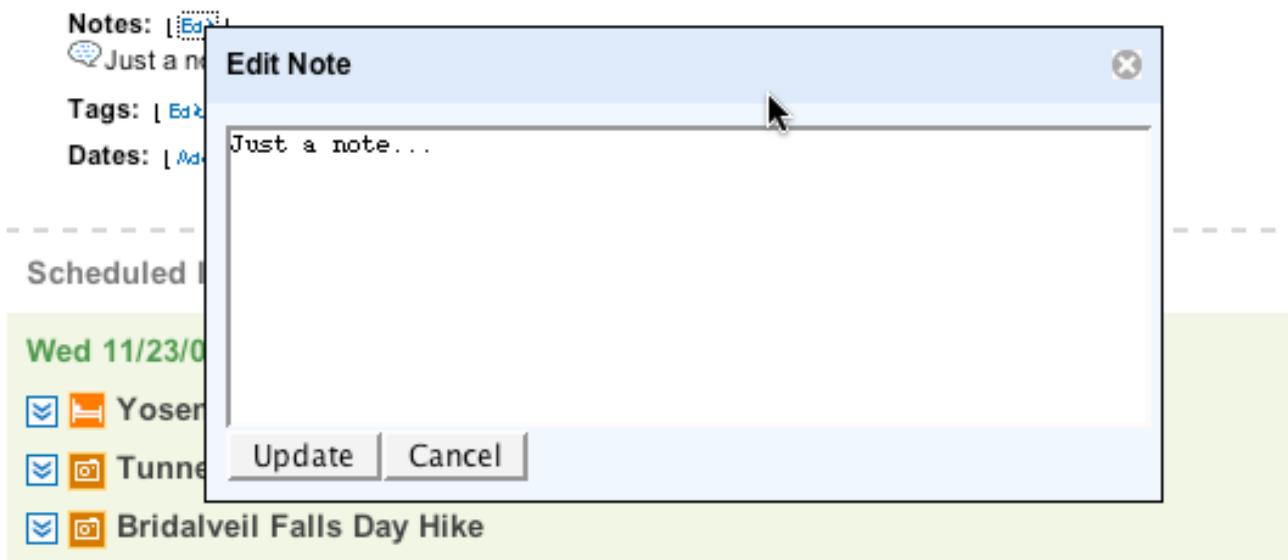
Point your new domain name to a web site you already have with [domain forwarding](#). This is a useful feature if you own multiple domain names.

- **Complete Domain (DNS) Control**

Advanced users: You can easily edit your name servers and [MX](#), [A](#), and [CNAME](#) records for complete control over your domain.

- **Email Forwarding**

Unlimited [forwarding](#) of messages sent to your new domain name into your free Yahoo! email account.



Use overlays

For momentary interruption

Replace page transition

When editing an individual, more complex item

Be symmetrical

Not disturb the page

Wired News: Top Stories [edit](#)

[Christians Code Heavenly Games](#)
[Cloning the Best in Show](#)
[Brain Workouts May Tone Memory](#)

Movies [edit](#)

[Showtimes for 76208 »](#)
 Must Love Does 1hr 30min - Rated PG-13

Featured [Entertainment](#) [Sports](#) [Money](#)


Animal cams gone wild
 Webcams that view pandas in action are perpetually popular, while live eagle cams are taking flight. [» More](#)
 • [Panda pics](#) [Webcams](#)
 • [More Yahoo! Buzz Log](#)

 [Celebrity spirits haunt Hollywood hot spots](#)

 [San Jose Sharks fans should be boozed](#)

 [The wild world of animal webcams](#)

 [Four-day rain swamps New England](#)

[» More Featured](#)

Use in-context expands

For editing part of a collection

Need to see surrounding context

For managing content modules

[Schedule View](#) [Map View](#) [Expand all](#)

[+ Add](#) [Hotels](#) | [Things to do](#) | [Restaurants](#) | [Shopping](#) | [Entertainment](#) [+ Create Item](#)

Trip Album  [Add Photos »](#)

Yosemite National Park

 [John Muir Vernal Falls Mist Trail Hike](#) » [Schedule](#)

Scheduled Items

Wed 11/23/05 (day 1) - Yosemite Natl Pk, Yosemite National Park

Hi, **b.scott** [Sign Out](#)

 [Mail](#)  [Messenger](#)  [Radio](#)

| From | Subject | Date |
|---------------------|--------------------------|---------------------|
| Bill Scott | test | May 15, 2006 |
| Kirk Vorsatz | Contact Info f... | May 15, 2006 |
| Nate Koechley | RSVP, Attendi... | May 15, 2006 |
| PayPal | PayPal Securi... | May 15, 2006 |

[» View All Mail](#)

 **Weather** **59° - 88°**

 **Local**

 **Movies**

Use overlays

For momentary interruption
 Replace page transition
 When editing an individual, more complex item
 Be symmetrical
 Not disturb the page

Fantasy Games Archive [Privacy Settings](#)

All Sports Baseball Basketball Football Auto Racing Golf Hockey

All Fantasy Games

You have not played any Fantasy Games

Search: for

Use in-context expands

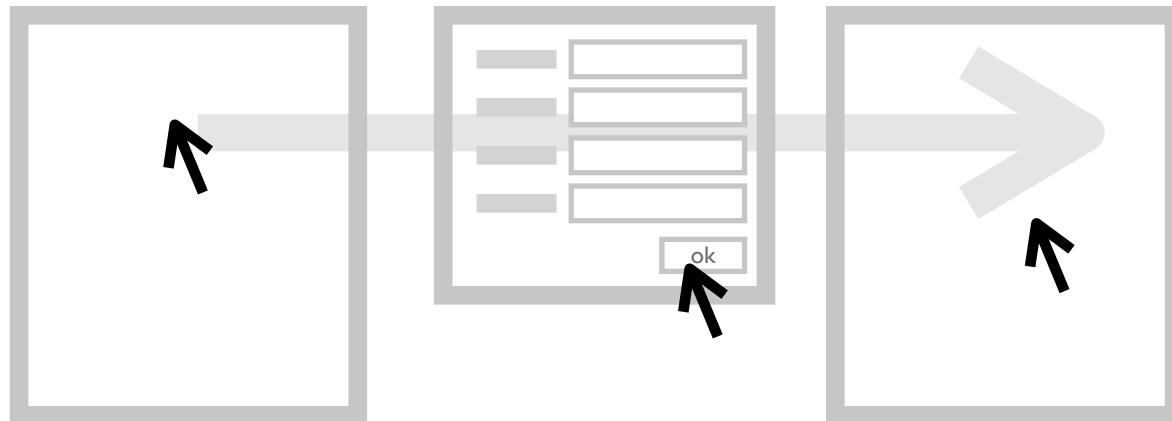
For editing part of a collection
 Need to see surrounding context
 For managing content modules



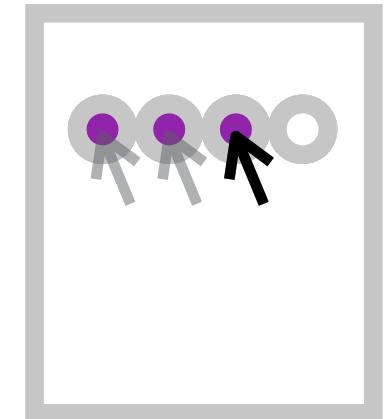
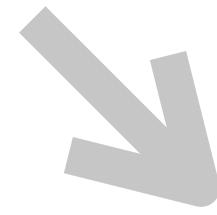
Use space creatively

Slide, zoom, flip, lens, fade
 Think of your backstage

Shift. **Lightweight Actions.**



heavy click-weight



light-weight
actions

5

Leave a light footprint

1 2 3 4 >> See All

straight fit



loose straight fit
(sandblasted vintage)
\$49.50



straight fit corduroy
pants
\$44.50
Buy 1 or more, save
\$14.55 each [See All](#)



straight fit (blasted
black)
\$49.50



straight fit (dark
authentic)
\$44.50



Pages [Writeboards](#) [Reminders](#)

Add tags

Bill's Work – To Do

[Body](#) [List](#) [Notes](#) [Files](#) [Images](#) [Writeboards](#) [Links](#) [Sharing](#) [?](#)

Lists

Public Pattern Project

- Create Taxonomy Tree for all current patterns
- Finish Transition Patterns
- Move public patterns to new template and stage
- Creative Commons License
-
- YDN Patterns Blog Article
- Schedule review meeting for Wed
- Schedule review meeting for Friday

[Add Item](#) | [Reorder](#)

- Microsoft Vista, Office 12
Contextual Command Tabs



Classics

Recommendations

High Plains Drifter

★★★★★
 Not Interested

Amid shoot-outs and existentialism, a mysterious stranger (Clint Eastwood, who also directs) is hired to protect a small town from outlaws. But his recipe for defense could be a deal with the devil, and soon, even the enigmatic gunslinger's ... [Read More](#)

The Great Escape

★★★★★
 Not Interested

Director John Sturges's Oscar-nominated adventure classic follows the true tale of a group-escape attempt from one of Germany's toughest prisoner-of-war camps. Hundreds of Allied POWs join Roger "Big X" Bartlett (Richard Attenborough), Danny "The ... [Read More](#)

[More Recommendations >](#)

Featured Subgenre
CLASSIC COMEDIES

Fun with Dick and Jane

★★★★★
 Not Interested

George Segal and Jane Fonda play Dick and Jane, two up-and-coming yuppies who exemplified the lifestyle before there was even a name for it. But when Dick loses his lucrative job, the two face a ... [Read More](#)

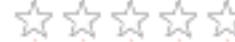
Monty Python's Life of Brian

★★★★★
 Not Interested

The crown princes of British comedy are at it again -- this time, in a send-up of the life and times of Jesus Christ. Perhaps the most controversial

RECOMMEND THIS STORY

Recommend It:



Average (63 votes)

**Sauce****(415) 252-1369**131 Gough St
San Francisco, CA 94102Cross Street:
Near intersection of Gough St and Lily Stwww.saucesf.com

Average Rating (10)

[Read 10 reviews](#)**Rate it:**[Write a Review](#)

0 items in [my bag](#) [checkout](#)

Pique polo

only at [gap.com](#)

[overview](#) [you'll also like](#)

Soft cotton pique knit.
Short-sleeved, button neckline.

- [Need large quantities? Click for Corporate Apparel](#)
- 100% Cotton. Machine wash. imported.

[regular](#) [tall](#)

Buy More and Save
select Color: **royal grape**

#346927
prices may vary

\$29.50 **Buy 2 or more, \$25.00 each**


\$29.50 **\$9.99**

select Size:

XS **S** **M** **L** **XL** **XXL** **XXXL**

[size chart](#)

Quantity: royal grape **\$29.50 \$9.99** [add to bag](#)

 [Buy now with 1-Click®](http://www.flock.com/start/)

   <http://www.flock.com/start/>

**Auto Save. In Context
Tools. In Page Action.
Remembered Collection.
Remembered
Preferences. Auto Form
Fill. Live Ratings.**

Watch your click weight

Keep actions immediate and light
Count “clicks”

Classics

Recommendations

High Plains Drifter

5 stars
 Not Interested
[Add](#)

Amid shoot-outs and existentialism, a mysterious stranger (Clint Eastwood, who also directs) is hired to protect a small town from outlaws. But his recipe for defense could be a deal with the devil, and soon, even the enigmatic gunslinger's ... [Read More](#)

The Great Escape

5 stars
 Not Interested
[Add](#)

Director John Sturges's Oscar-nominated adventure classic follows the true tale of a group-escape attempt from one of Germany's toughest prisoner-of-war camps. Hundreds of Allied POWs join Roger "Big X" Bartlett (Richard Attenborough), Danny "The ... [Read More](#)

[More Recommendations >](#)

Featured Subgenre
CLASSIC COMEDIES

Fun with Dick and Jane

4 stars
 Not Interested
[Add](#)

George Segal and Jane Fonda play Dick and Jane, two up-and-coming yuppies who exemplified the lifestyle before there was even a name for it. But when Dick loses his lucrative job, the two face a ... [Read More](#)

Monty Python's Life of Brian

5 stars
 Not Interested
[Add](#)

The crown princes of British comedy are at it again -- this time, in a send-up of the life and times of Jesus Christ. Perhaps the most controversial

Fixing the Mighty Mouse

 submitted by [usedmac](#) 1 day 1 hour ago (via <http://mac>)

The Apple Mighty Mouse brings a slew of great features with most new Mac systems it is becoming a common one for close to a year now, I have found that the user's scroll ball far outweighs its quirks.

 [60 comments](#) | [blog this](#) | [email this](#) | category: [apple](#) |

Watch your click weight

Keep actions immediate and light
Count “clicks”



Design for engaging moments

Use invitations
Keep it fun, exciting and light
Treat it like an impulse aisle

Watch your click weight

Keep actions immediate and light
Count “clicks”

Design for engaging moments

Use invitations
Keep it fun, exciting and light
Treat it like an impulse aisle

RECOMMEND THIS STORY

Recommend It:

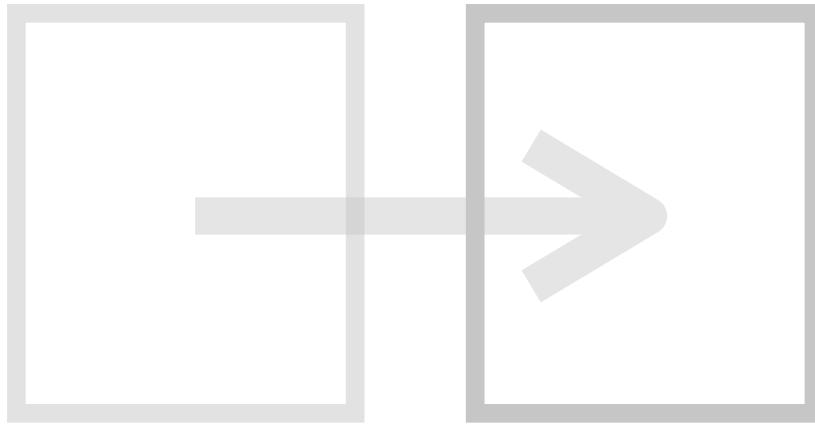

Average (63 votes)


Use lightweight events

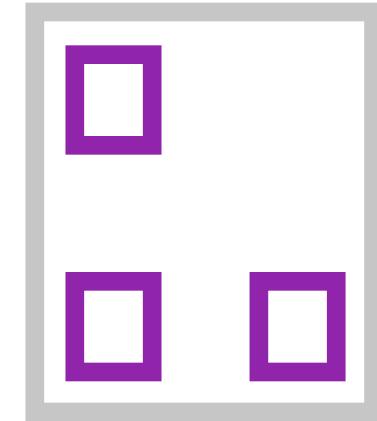
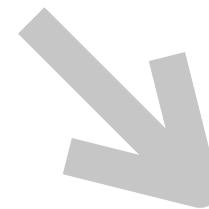
Hover
Blur, focus
Click. Avoid double-click



Shift. **Multiple Happenings.**



page-based transitions



multiple transitions,
single page

6

Show transitions



Yosemite Thanksgiving [\[Edit\]](#)

A trip to YOSEMITE NATIONAL PARK
Fun in Yosemite with Daniel & Kids

 [This trip is public](#) • [Sharing settings](#) • [Email this trip](#)

[\[Update photos \]](#)

[Schedule View](#) [Map View](#) [Expand all](#)

 [Add](#) [Hotels](#) | [Things to do](#) | [Restaurants](#) | [Shopping](#) | [Entertainment](#)  [Create Item](#)

Trip Album  [Add Photos »](#)

Yosemite National Park

  [John Muir Vernal Falls Mist Trail Hike](#) » [Schedule](#)

Scheduled Items

Wed 11/23/05 (day 1) - Yosemite Natl Pk, Yosemite National Park

 [Yosemite Lodge](#)
From \$97.00 to \$146.00 per night. • [Reserve Now](#)
 559-252-4848
Yosemite Natl Pk, CA 95389
United States
In the valley of Yosemite National Park

Notes: [\[Edit\]](#)

Tags: [\[Edit\]](#)
yosemite, hiking



Women GapBody GapMaternity GapKids babyGap

my account
see order status
sign in

 3 items in [my bag](#) [checkout](#)

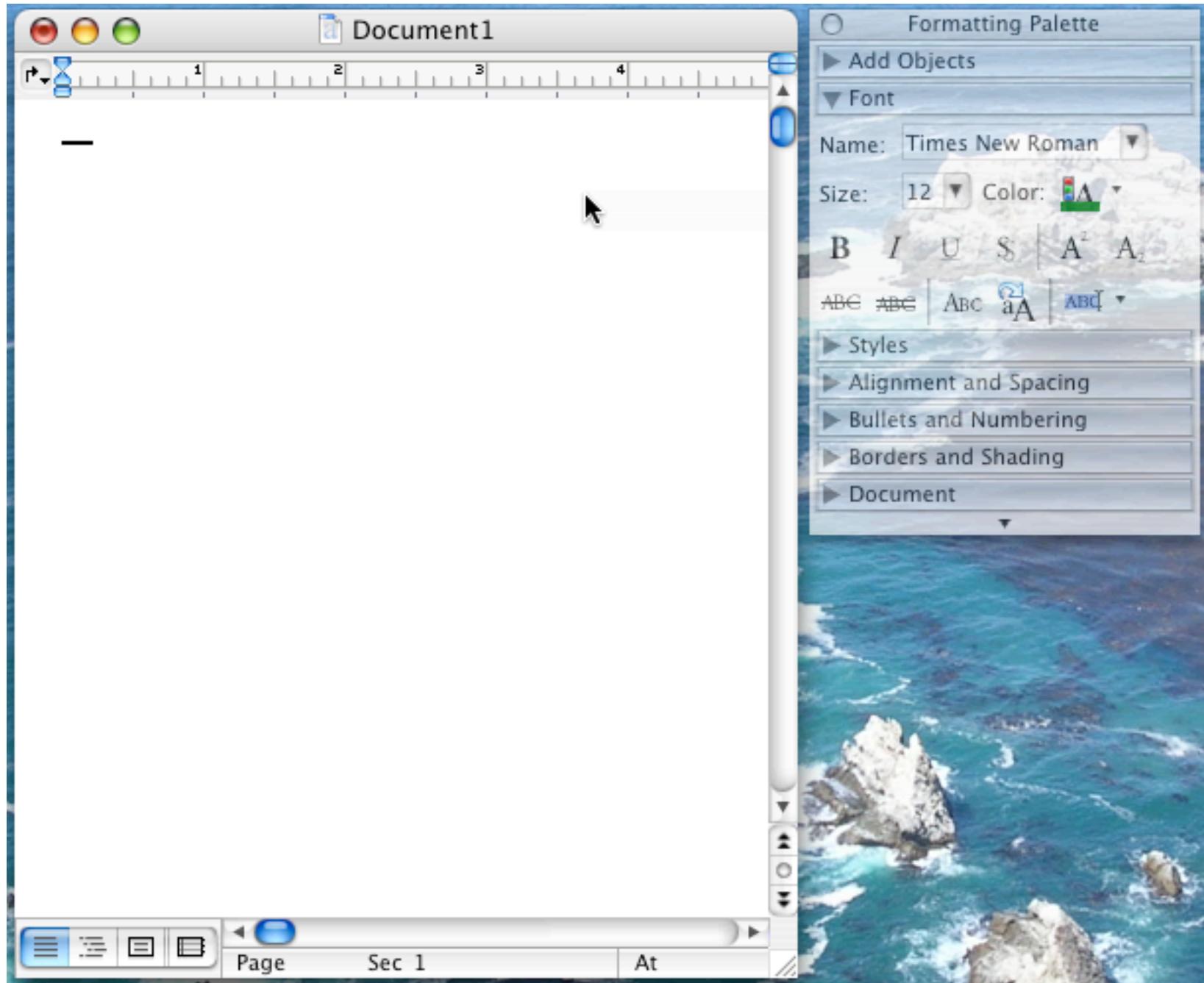
Shoes, Belts & More

1 2 >> [See All](#)

[bags](#)



| | | | |
|---|--|---|---|
|  Premium canvas duffle bag \$49.50 |  urban nylon sling \$34.50 |  urban nylon backpack \$29.50 |  nylon commuter bag \$68.00 |
|---|--|---|---|





digg spy: a real-time view of digg

spy on all stories spy on queued stories spy on front page stories

| What? | Diggs | Story |
|-------|-------|---|
| | +695 | Nintendo DS download station finder! http://www.nintendo.com/dsdownloadstation/ |
| | +1399 | How To Build a Game In A Week From Scratch With No.. http://www.gamedev.net/reference/articles/article21231.html |
| | +86 | David Hahn - The kid who built a nuclear reactor i... http://en.wikipedia.org/wiki/David_Hahn |
| | +201 | Another Apple Mac mini Dual Core 1.66GHz Review http://reviews.designtechnica.com/review3531.html |
| | +85 | David Hahn - The kid who built a nuclear reactor i... http://en.wikipedia.org/wiki/David_Hahn |

Batch Organize Your Sets

Edit photos Permissions Edit dates Add tags Add to set

Finished? [Go home!](#) [flickr](#) [Clear this batch](#)

Lists

- Remove this item
- And this one too
- adding a new item

[Edit](#) [Add item](#) or [I'm done adding items](#)

• **Starter Web Page**
 Publish basic information on a placeholder [web page](#) — until you're ready to upgrade to a full web site.
[View a sample.](#)

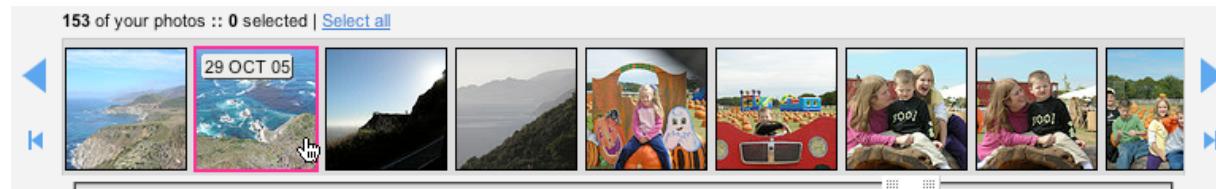


• **Domain Locking**
 Safeguard your domain from hijacking and unauthorized transfers with [domain locking](#). Yahoo! Domains secures your domain for you — and only you.

• **Domain Forwarding**
 Point your new domain name to a web site you already have with [domain forwarding](#). This is a useful feature if you own multiple domain names.

• **Complete Domain (DNS) Control**
 Advanced users: You can easily edit your name servers and [MX](#), [A](#), and [CNAME](#) records for complete control over your domain.

• **Email Forwarding**
 Unlimited [forwarding](#) of messages sent to your new domain name into your free Yahoo! email account.



Fantasy Games Archive [Privacy Settings](#)

[All Sports](#) [Baseball](#) [Basketball](#) [Football](#) [Auto Racing](#) [Golf](#) [Hockey](#)

All Fantasy Games

You have not played any Fantasy Games

Search: [Yahoo! Sports](#) for

[Learn more...](#)

All rights reserved. [Privacy Policy](#) - [Terms of Service](#) - [Copyright/IP Po](#)

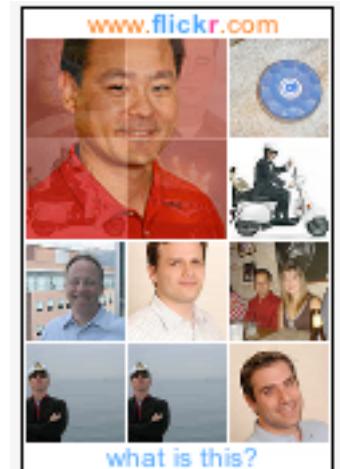
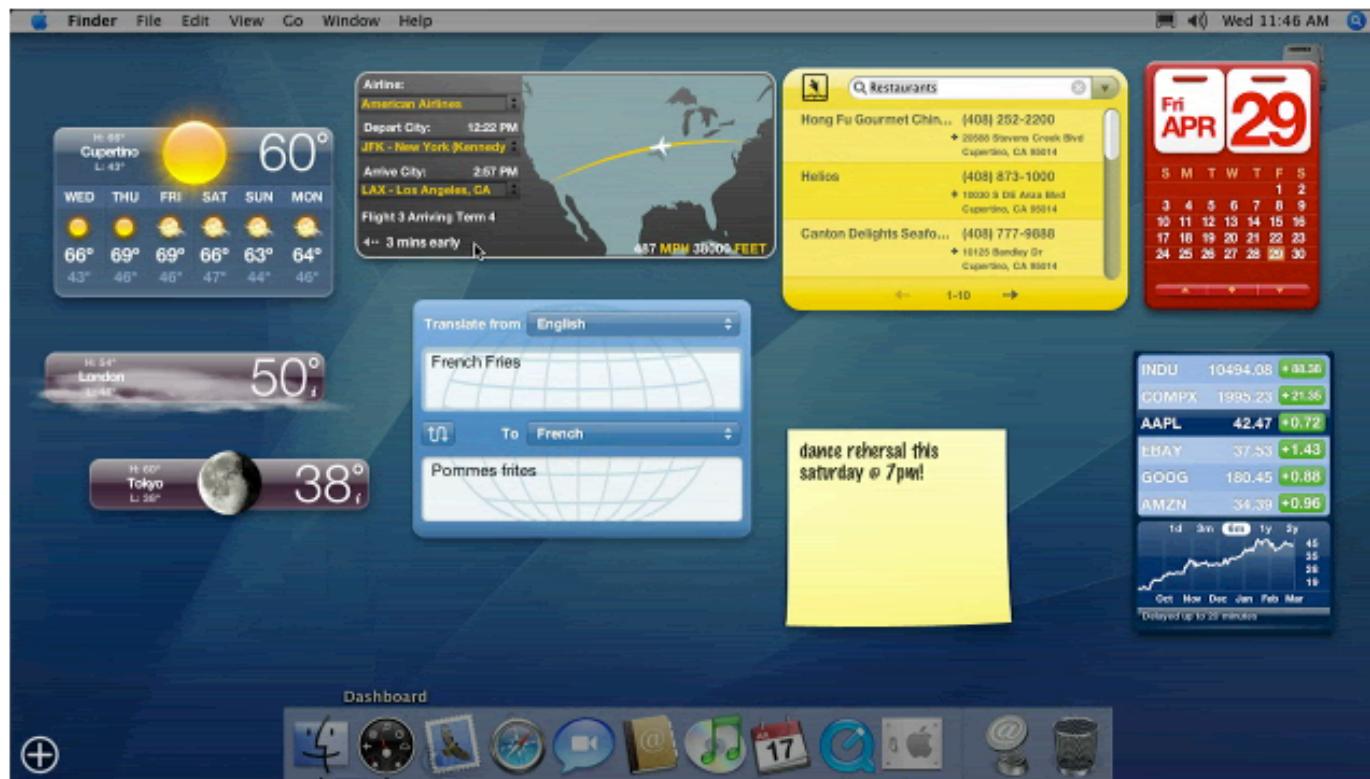


- Brighten. Raise importance
- Cross Fade. One leaves, another enters
- Dim. Lower importance
- Expand. Open in context of others
- Fade In. Good for adds
- Fade Out. Good for deletes
- Flip. Edit configuration
- Animate. Change relationship, tweening
- Self-Healing. After delete or “yank”
- Collapse. Close in context of others
- Slide. Similar to expand but child window

**Transition. Brighten Transition.
Cross Fade Transition. Dim
Transition. Expand Transition.
Fade In Transition. Fade Out
Transition. Flip Transition.
Animate Transition. Self-
Healing Transition. Collapse
Transition. Slide Transition.**

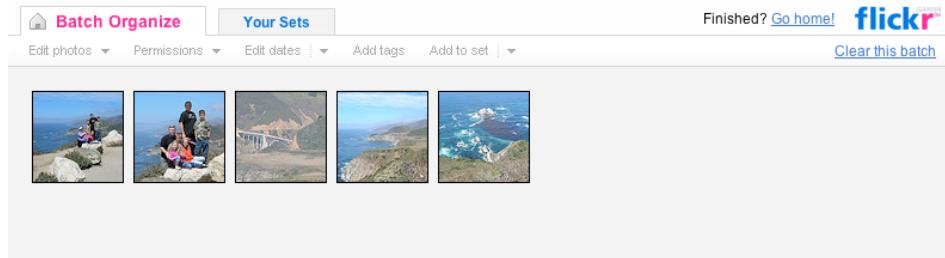
Speak to the BRAIN

Understanding attention processing
Sending the wrong message



Speak to the BRAIN

Understanding attention processing
Sending the wrong message



Lists

- Remove this item
- And this one too
- adding a new item

[Edit](#) [Add item](#) or [I'm done adding items](#)

Women GapBody GapMaternity GapKids babyGap

my account
see order status
sign in

3 items in [my bag](#) [checkout](#)

Shoes, Belts & More

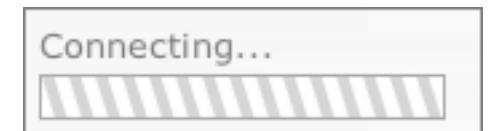
1 2 >> [See All](#)

bags

| | | | |
|--------------------------------------|------------------------------|---------------------------------|-------------------------------|
| | | | |
| Premium canvas duffle bag \$49.50 | urban nylon sling \$34.50 | urban nylon backpack \$29.50 | nylon commuter bag \$68.00 |

What you can communicate

Speed up time
Slow down time
Show state change
Show relationships between objects
Focus attention



YAHOO! PLUS

Select Type: [Web](#) Images Local News Shopping

Search: [Search](#)

Hello Bill [Sign Out, My Account] 42° - 57°

[Add Content](#) [Change Layout](#) [Change Colors](#)

Scoreboard [edit](#) [x](#)

TODAY

- NHL**
 - Tampa Bay vs. 5 13:15
 - Dallas 3 2nd
- NBA**
 - Dallas vs. 0 10:30
 - LA Clippers 0 ET

YESTERDAY

no games for selected teams

Listen to live audio of college games

Message Center [edit](#) [x](#)

Check Email
Launch Messenger 14 friends on

Weather [edit](#) [x](#)

| |
|-----------------------------|
| Dallas, TX 40...75 F |
| Denton, TX 35...75 F |
| Sunnyvale, CA 42...57 F |
| Boulder Creek, CA 39...59 F |
| Gilroy, CA 38...57 F |
| San Jose, CA 42...58 F |

Best Fare Tracker [edit](#) [x](#)

Depart: New York, NY - all
Paris, France - all \$193.00

Depart: Seattle/Tacoma, WA
Honolulu, HI \$333.60

Depart: San Francisco, CA

Maps [edit](#) [x](#)

Select From My Locations or Recently Used clear recent

Software News [edit](#) [x](#)

- AccuRev gives software configuration system global focus - 5 hours ago
- Anti-virus Software: The Next Big Worm Target? - 10 hours ago
- India's Satyam logs 64 percent rise in third-quarter profit - 10 hours ago
- Cisco Patches Router, Call Manager Software - 1 day ago

eHub [edit](#) [x](#)

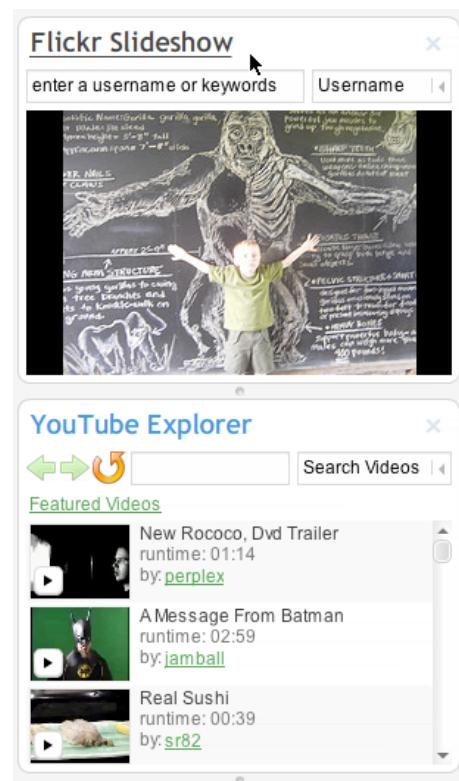
- eHub Interviews Prodigem - 11 hours ago
- Veetro - 20 hours ago
- MediaMax - 2 days ago
- iOWEYOU - 2 days ago
- HyperSuper - 2 days ago

BayCHI Monthly Program Events [edit](#) [x](#)

- 2006/02/14: Monthly Program Meeting - 3 hours ago

Speak to the BRAIN

Understanding attention processing
Sending the wrong message



What you can communicate

Speed up time
Slow down time
Show state change
Show relationships between objects
Focus attention

Keep it sane

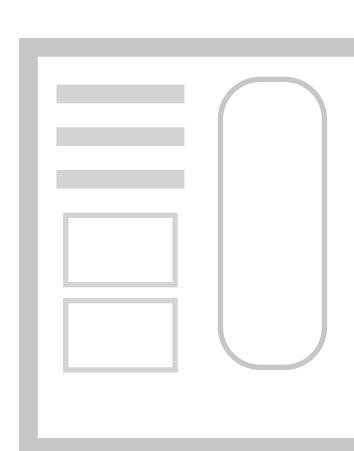
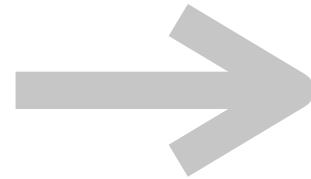
“Cut in half” rule of thumb
Use a “contrast knob” approach
Don’t overuse

- The more rapid the change the more important the event.
- Rapid movement is seen as more important than rapid color change.
- Movement toward the user is seen as more important than movement away from the user.
- Very slow change can be processed without disrupting the user's attention.
- Animation can be used to communicate where an object was and now is

Shift. **Page to Objects.**



page



objects

7

Think in objects

| | Page-Based Web | Rich Internet App |
|-------------------------------|-----------------------|---------------------------------------|
| Richer Model | Document | Rich Internet Object |
| Longer Lifecycle | Transient | Permanent |
| Community/ Sharing | Bookmark | Content, properties, and behaviors |

Schedule View [Map View](#) [Expand all](#)

[+ Add](#) [Hotels](#) | [Things to do](#) | [Restaurants](#) | [Shopping](#) | [Entertainment](#) [Create Item](#)

Yosemite National Park

[\[\]](#) [\[\]](#) [John Muir Vernal Falls Mist Trail Hike](#) » [Schedule](#) | [View](#) | [Delete](#)

[\[\]](#) +1 209 372 0200
Happy Isle Shuttle Stop #16
Yosemite National Park, CA 95389
United States

This hike is also known as the Mist Trail because it passes right beside Vernal Falls, which in the spring blows a heavy mist everywhere. This 1.4 mile roundtrip hike is considered a moderate [\[\]](#)

Notes: [\[\]](#)

Tags: [\[\]](#)

Dates: [\[\]](#)

Scheduled Items

Wed 11/23/05 (day 1) - Yosemite Natl Pk, Yosemite National Park

[\[\]](#) [\[\]](#) [Yosemite Lodge](#)
[\[\]](#) [\[\]](#) [Tunnel View](#)
[\[\]](#) [\[\]](#) [Bridalveil Falls Day Hike](#)

Other trips you might like ...



[The Ultimate A ...](#)
by [ajrao1918](#)
[Copy this trip](#)



[SF Trip](#)
by [pilak_shah](#)
[Copy this trip](#)



[6 Parks in 8 d ...](#)
by [iacorebb](#)
[Copy this trip](#)



[Yosemite](#)
by [whiskeywom ...](#)
[Copy this trip](#)



[Cali Baby!](#)
by [ibily78](#)
[Copy this trip](#)

[Browse All Public Trips »](#)

**Rich Internet Object.
Available. Selected.
Identifiable Object.**

Rethinking the model

What is the user's mental model?
How to distinguish from content?

 **Yosemite Thanksgiving** [\[Edit\]](#)

A trip to YOSEMITE NATIONAL PARK
Fun in Yosemite with Daniel & Kids

[This trip is public](#) • [Sharing settings](#) • [Email this trip](#)

[\[Update photos \]](#)

Schedule View **Map View** [▼ Expand all](#)

+ Add [Hotels](#) | [Things to do](#) | [Restaurants](#) | [Shopping](#) | [Entertainment](#) **+ Create Item**

Trip Album         [Add Photos »](#)

Yosemite National Park

 [John Muir Vernal Falls Mist Trail Hike](#) » [Schedule](#)

Scheduled Items

Wed 11/23/05 (day 1) - Yosemite Natl Pk, Yosemite National Park

 **Yosemite Lodge**

From \$97.00 to \$146.00 per night. [•Reserve Now](#)

 559-252-4848
Yosemite Natl Pk, CA 95389
United States
In the valley of Yosemite National Park

Notes: [\[Edit\]](#)

Tags: [\[Edit\]](#) [yosemite](#), [hiking](#)

Rethinking the model

What is the user's mental model?
How to distinguish from content?

The power of sharing
Bloggable, shareable, findable
How to dial-in community
Collections

Microsoft Gadgets [Gallery](#) [Blog](#) [Forums](#) [Build](#) [Macros](#) [Login](#)

Gadget Gallery

This is the place where you can share your gadgets with everyone. Just zip up your source code, create a preview image, provide a description and upload! Please read our [Upload Agreement](#) before uploading your gadgets.

Search Gadgets by Tag

Popular Tags
french competition, search, games, french_competition, game, Google, music, clock, maps, More...

Sort By

| | | | |
|---|---|---|--|
| Add a Gadget Login to upload a Gadget that you build. | Live Clock v 2.1 Ver2 Views: 60,157 Replies: 62 Downloads: 3,647 | Virtual Earth Views: 38,074 Replies: 13 Downloads: 0 | Windows Live Favorites Views: 33,375 Replies: 56 Downloads: 124,406 |
| Favorites Login to add tags to your favorites. | NASA Image of the Day Views: 32,193 Replies: 7 Downloads: 326 | Xbox Live GamerTag 2.0 Views: 31,622 Replies: 42 Downloads: 670 | To Do List Views: 28,667 Replies: 21 Downloads: 144 |
| | Live Google Search v1.1 Views: 28,589 Replies: 11 Downloads: 1,747 | Windows Live Mail Mobile Views: 27,511 Replies: 4 Downloads: 298 | WeatherBug Live Weather Views: 23,938 Replies: 38 Downloads: 851 |

Rethinking the model

What is the user's mental model?
How to distinguish from content?

EVENTS BROWSER

San Francisco CA

17 RESULTS

1 MH De Young Memorial ... 12 Events

2 Strybing Arboretum 3 Events

3 Amoeba Music 2 Events

make start location

Apr 2006

M T W T F S S

1 2

3 4 5 6 7 8 9

10 11 12 13 14 15 16

17 18 19 20 21 22 23

24 25 26 27 28 29 30

All Art Country & Western Folk Music Misc

Events Museums & Galleries Music Rock & Pop Sports

Theater

Web 2.0 as a platform

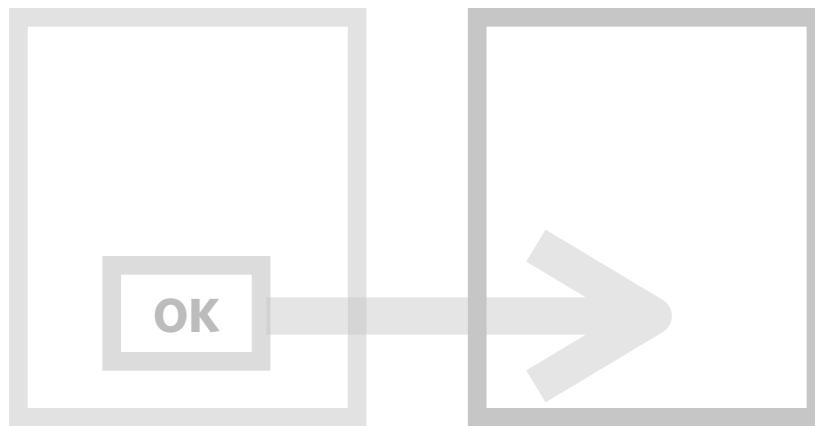
Rich objects fit the SOA model
Creates a good separation of concerns
Mashups



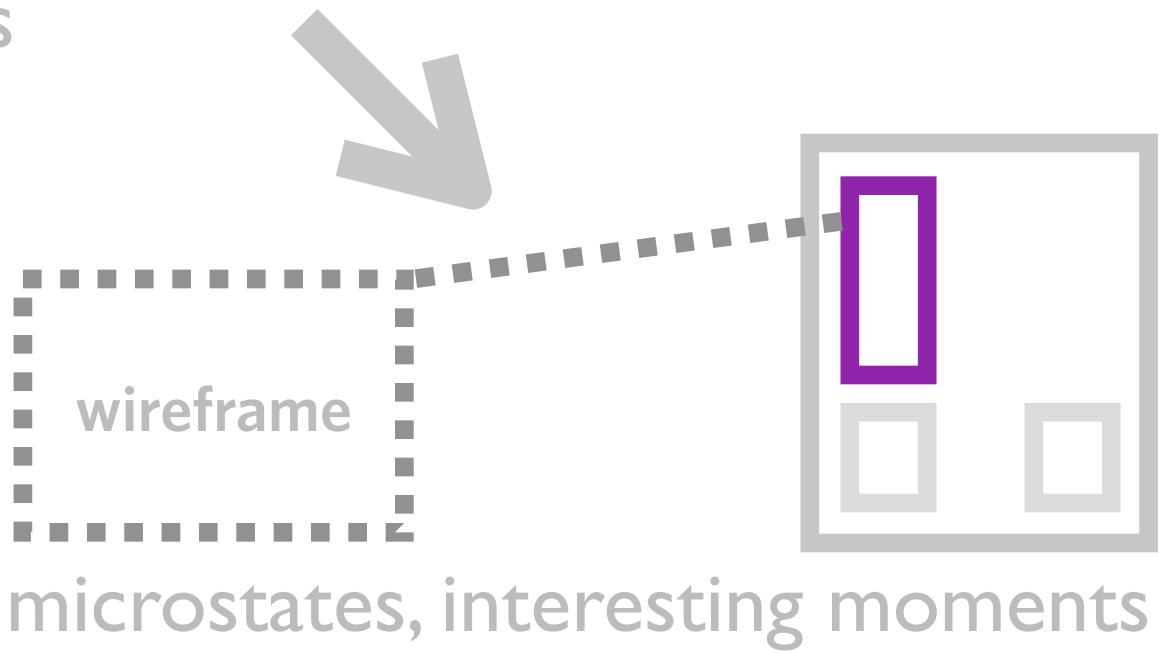
The power of sharing
Bloggable, shareable, findable
How to dial-in community
Collections



See your friends on a mobile map. Anywhere. Outside or inside.



page level events



8

Tell a story



Wireframing Ajax is a [expletive]...
We have to determine all of the
things a user might do, and
wireframe the blessed moments of
each possibility."

- Jeffrey Zeldman, Web 3.0

Time

Detail

Context

- Documentation has centered around layout, priority and behavior of content and functional items
 - Interactions typically defined as discrete states (pages)
 - Multiple page flow diagrams are now a single page with rich interactions
- Storyboarding provides a way to capture design flow

Drag & Drop Interesting Moments Grid

| | Page Generation | Mouse Hover | Drag Initiated | Drag over Valid | Drag over Invalid | Drag over Original | Drop Accepted | Drop Rejected | Drop on Original |
|---------------|-----------------|-------------|----------------------------|----------------------------|--|----------------------------|---|--|--|
| Page Content | Hint | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Cursor | Normal | Move Cursor | Move Cursor | Move Cursor | Move Cursor | Move Cursor | Normal | Normal | Normal |
| Drag Object | Normal | Normal | Reduced Opacity & Tracking | Reduced Opacity & Tracking | Reduced Opacity & Tracking + Invalid Badge | Reduced Opacity & Tracking | 2. Modules animates into the area just below insertion bar 3. Module comes to rest in new area 4. Modules slide up in a self-healing transition to close hole | Normal Opacity + Zoom Back to Original | Normal Opacity + Zoom Back to Original |
| Orig Location | Normal | Normal | Hole Opens | Hole Remains | Hole Remains | Hole Remains | Hole Remains | Hole refilled with drag object | Hole refilled with drag object |
| Drop Target | Normal | Normal | Normal | Insertion Bar | N/A | N/A | 1. Insertion Bar Removed | N/A | N/A |

Drag and Drop Modules - Interesting Moments Grid

| Mouse Down | Drag Initiated | Drag Over Valid Target | Drag Over Invalid Target | Drag Over Parent Container | Drop Accepted | Drop Rejected | Drop On Parent Container |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
| Message Center Check Email Launch Messenger 15 friends on |
| Reduced Opacity | Reduced Opacity | Reduced Opacity & Invalid Badge | Reduced Opacity | Modules animates into the area just below insertion bar | Module comes to rest in new area | Module comes back to rest at full opacity | Modules animates back to the home area |
| | | | | | | | |
| Message Center Check Email Launch Messenger 15 friends on |
| Insertion bar, just a gap | No insertion bar, just a gap | Insertion bar showing where it will drop | No insertion bar, just a gap | No insertion bar, just a gap | Insertion bar is removed as first frame of animation | Insertion bar is removed as first frame of animation | Insertion bar is removed as first frame of animation |
| | | | | | | | |



Participant Interface Notes

Title: Register page

Date: 18 July 2006

Version: 1.0

Functional Notes:

The registration page allows users to signup for Participate simply by entering a user name and a valid email address.

- 1 Provide the user with some notification of what the email a friend action is worth in Participant points to encourage follow-through and introduce non-registered users in the Incentive program.
- 2 On click, commit the user's entered email addresses and message, send to target addresses, and link user to a confirmation page
- 3 For users who have invited friends over email, provide reporting on # invited and # accepted. Hide actual names by default, but allow users to view them by clicking the "view" link

a When user completes name entry and clicks to email entry, compare the entered name to previously claimed names on the site. If the name is a match, generate alternates that can be clicked on to fill the entry field.

The name ryan_c is unavailable.
How about:
ryan_c_01
iam_ryanc
ryan_c_isme

↓ User makes selection or inputs new name that is valid & available:

That name works. Thanks!

b Is it possible to treat the "submit" button click as a call to validate the form of the user's entered email? If there are any formating errors, alert the user and prevent the page from loading the confirmation.

The address you entered isn't formatted properly.

branding & navigation

register

All we really need is a unique name and email, everything after that is gravy. Lorem ipsum dolor sit amet, nulla at fermentum nonummy turpis mauris rutrum justo, nec. Cras malesuada, nulla at fermentum nonummy.

create a username:

alternate names

enter your email:

email error

hot posts

1

Instruction text lorem ipsum dolor sit amet, consectetur adipiscing elit.

[archive >](#)**Tuesday, July 19, 2005**written by: [authorname](#)tag: [campaign](#)

psum dolor sit amet, consectetur adipiscing elit. Cras malesuada fermentum nonummy, turpis mauris rutrum justo, nec molestie eros porttitor lorem. Proin pharetra wisi eu tortor. Vivamus cursus tortor purus. Suspendisse potenti. Ut dui. Vestibulum tincidunt.

[comment on this post](#) | [more by this author](#) | [permalink](#)written by: [authorname](#)tag: [film](#)

psum dolor sit amet, consectetur adipiscing elit. Cras malesuada fermentum nonummy, turpis mauris rutrum justo, nec molestie eros porttitor lorem. Proin pharetra wisi eu tortor. Vivamus cursus tortor purus. Suspendisse potenti. Ut dui. Vestibulum tincidunt.

[comment on this post](#) | [more by this author](#) | [permalink](#)**Monday, July 18, 2005**written by: [authorname](#)tag: [campaign](#)

psum dolor sit amet, consectetur adipiscing elit. Cras malesuada nulla at fermentum nonummy, turpis mauris rutrum justo, nec molestie eros porttitor lorem. Proin pharetra wisi eu tortor. Vivamus cursus tortor purus. Suspendisse potenti. Ut dui. Vestibulum tincidunt.

[comment on this post](#) | [more by this author](#) | [permalink](#)[archive >](#) [Sign me up for the mailing list](#)[submit >](#)

3

- Show frames in wireframe context

Preferences Help

what the heck is a [podcast](#)?

Search

find your own podcasts

main categories [\(What's this?\)](#)

| | | |
|---------------|----------|------------|
| arts | food | religion |
| books | media | science |
| business | movies | sex |
| comedy | music | sports |
| documentary | news | technology |
| entertainment | politics | weird |

ADVERTISEMENT

SUPERCHARGE your podcast experience
Get the FREE Yahoo! Music Engine



Get It Now!

popular tags [\(What's this?\)](#)

america, arts, bo, documentary, ente, hop, indie, me, mashup, me, news, ny, people, politics, podcasting, pop, religion, rock, science, sex, sports, talk, technology, weird.

Q Why are some of these bigger than the rest?
"Tags" are submitted by users (like you!) and the bigger tags represent more popular keywords that have been added to podcasts.

YAHOO!

1 On Page Load

popular tags [\(What's this?\)](#)

america, arts, bo, documentary, funny, hip hop, mac, mashup, music, news, ny, people, politics, podcasting, sex, sports, talk, technology, weird, work, week, ZOO

Q Why are some of these bigger than the rest?
"Tags" are submitted by users (like you!) and the bigger tags represent more popular keywords that have been added to podcasts.

2 Close AJAX widget

popular tags [\(What's this?\)](#)

america, arts, bo, documentary, funny, hip hop, mac, mashup, music, news, ny, people, politics, podcasting, sex, sports, talk, technology, weird, work, week, ZOO

3 Close AJAX widget (50%)

popular tags [\(What's this?\)](#)

america, arts, bo, documentary, funny, hip hop, mac, mashup, music, news, ny, people, politics, podcasting, sex, sports, talk, technology, weird, work, week, ZOO

Q Why are some of these bigger than the rest?
"Tags" are submitted by users (like you!) and the bigger tags represent more popular keywords that have been added to podcasts.

4 Close AJAX widget (0% opacity)

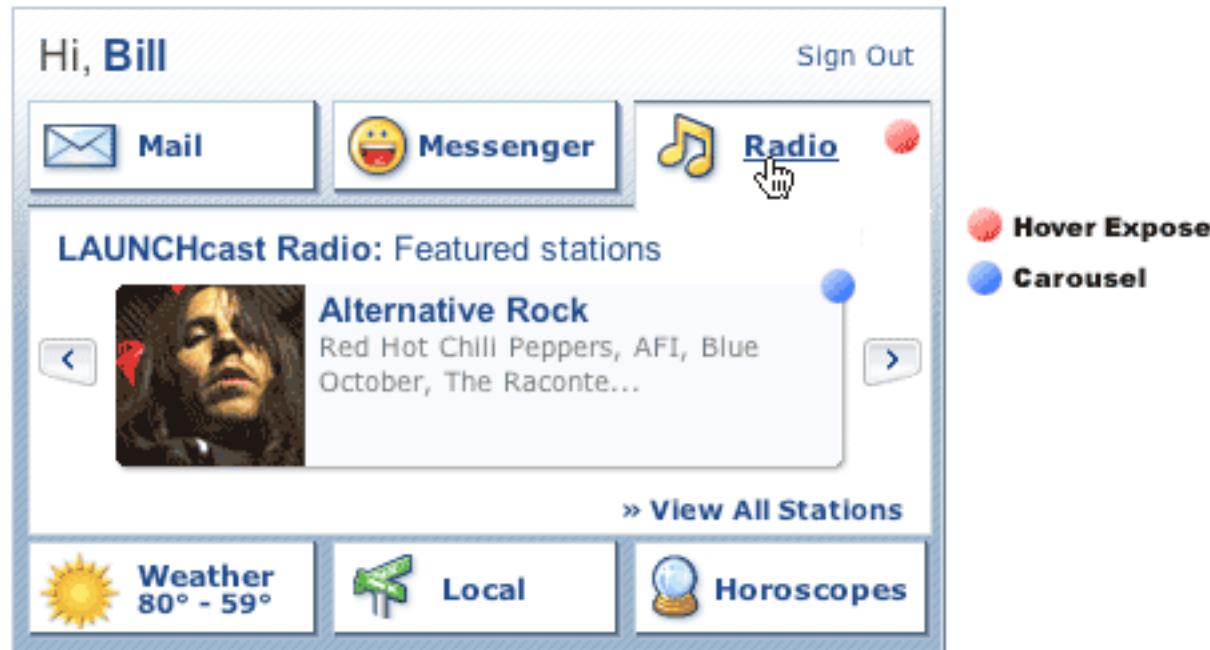
popular tags [\(What's this?\)](#)

america, arts, books, business, comedy, documentary, entertainment, food, funny, hip hop, indie, interview, itunes, mac, mashup, media, movies, music, news, ny, people, politics, podcasting, pop, religion, rock, science, sex, sports, talk, technology, weird, work, week, ZOO

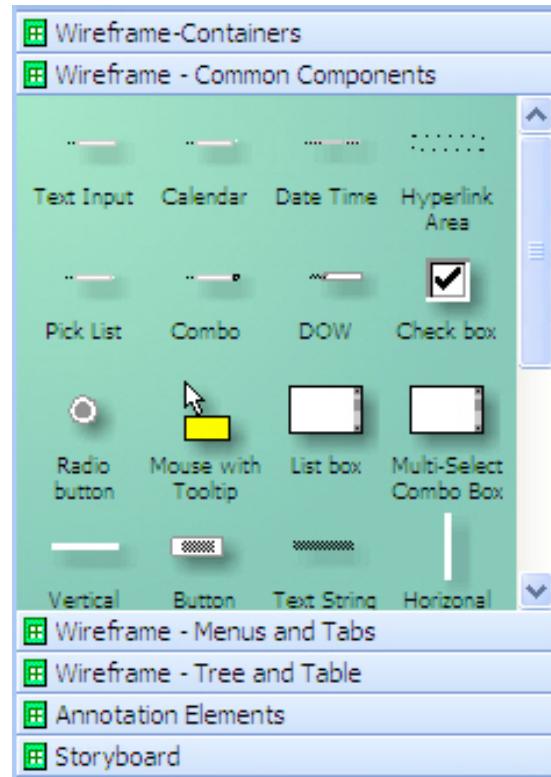
YAHOO!



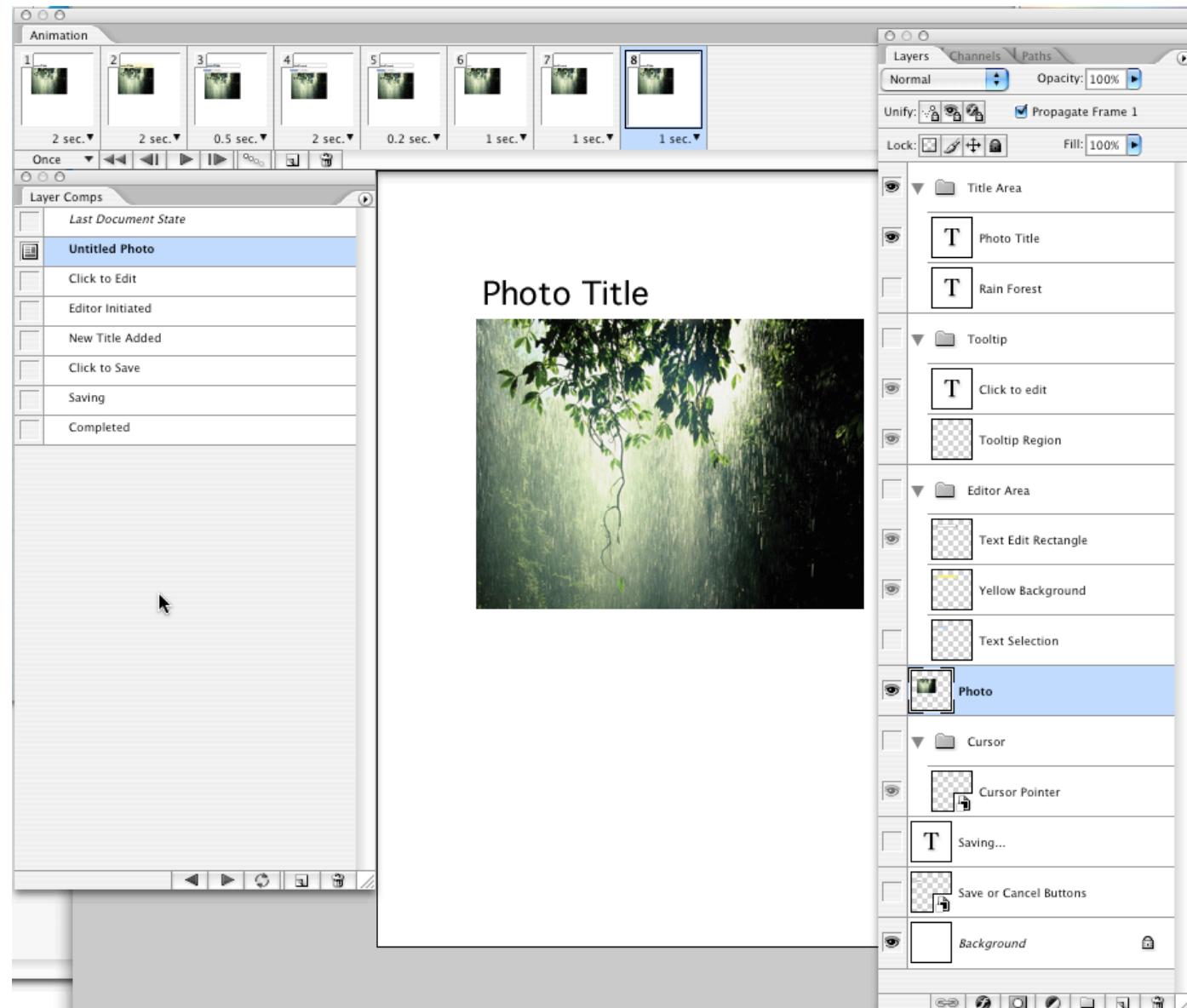
- Callout patterns in a legend
- It allows patterns to document interaction



Interactive Wireframes in Visio



Photoshop Animation



Yahoo News RSS: Los Gatos

- [Smith living a dream \(The Wichita Eagle\)](#) - 3 hours ago
- [Smith eager to start earning his money \(Monterey County Herald\)](#) - 9 hours ago
- [Won't you be his neighbor? \(San Jose Mercury News\)](#) - 9 hours ago

Reuters Technology

- [Nokia picks Kallasvuo to succeed Ollila as CEO](#) - 7 hours ago
- [Ford to factory-install Sirius radio in some cars](#) - 7 hours ago
- [China emerging as chip design center -Suppli](#) - 11 hours ago

Apple Insider RSS

- [Apple to host media event in Tokyo](#) - 15 hours ago
- [iPod chip supplier hints at upcoming plans](#) - 21 hours ago
- [Apple unveils faster iBooks](#) - 1 day ago

Connection Manager

The Connection Utility is a wrapper around asynchronous and synchronous http requests made via the XMLHttpRequest object. The utility provides browser abstraction, object pooling, error handling, status indication, and callback functionality, enabling rapid prototyping and construction of user interactions involving asynchronous transactions between client and server.

Keynote/Powerpoint Interactive Slides

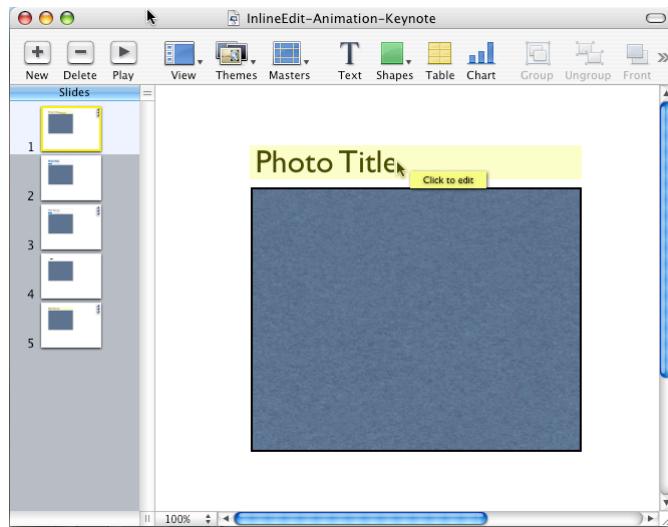
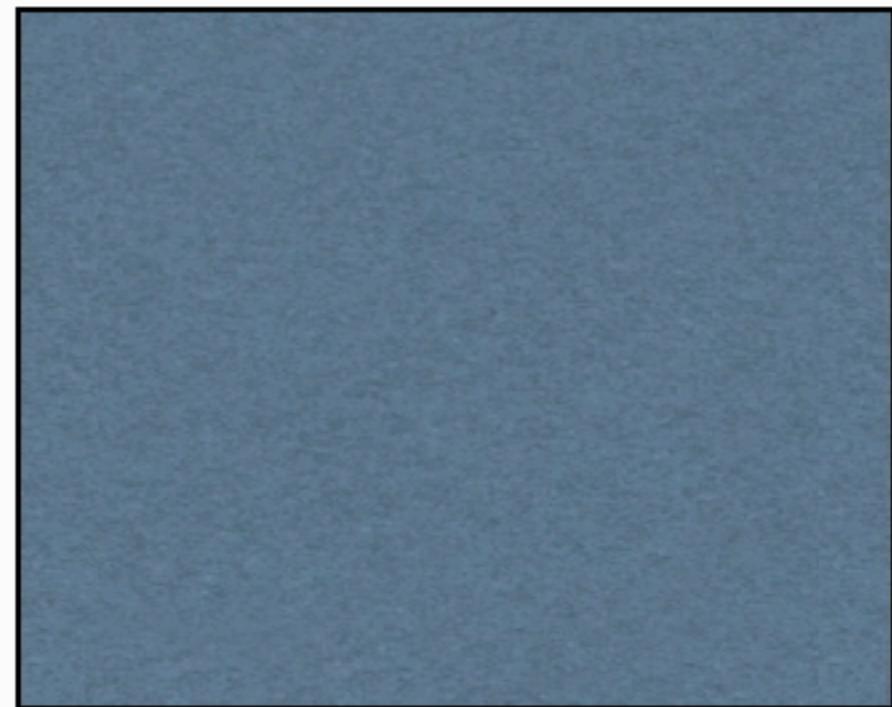


Photo Title



Time

Interactive Wireframes, Animations

Detail

Storyboard Grid

Context

Storyboards, Wireframes + Key Frames

- Photoshop CS2 animations
<http://looksgoodworkswell.blogspot.com/2005/11/animating-interactions-with-photoshop.html>
- Boxes and arrows article
http://www.boxesandarrows.com/view/storyboarding_rich_internet_applications_with_visio
- Interesting Moments Grid
<http://looksgoodworkswell.blogspot.com/2005/11/interaction-matrix.html>
- Interesting Moments
<http://looksgoodworkswell.blogspot.com/2005/12/storyboarding-interesting-moments.html>