

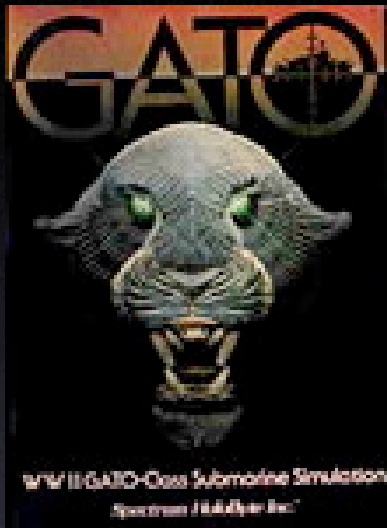
designing for ajax

principles and patterns for rich interaction

Bill Scott
Yahoo! Ajax Evangelist
b.scott@yahoo.com



background.



Rico

JavaScript for Rich Internet Applications

[Home](#) [Features](#) [Demos](#) [Documentation](#) [Downloads](#) [About](#)

An open-source JavaScript library for creating rich internet applications. Rico provides full Ajax support, drag and drop management and a cinematic effects library.

BACKGROUND

Rico is a Spanish word meaning *rich*. The goal of Rico is to provide a rich experience for web sites using Ajax technology.

Rico is just one small part of a larger effort at Sabre Airline Solutions to create a suite of rich internet components, behaviors and effects for the web application space.

The library is a fully object-oriented JavaScript library. Recently we refactored the library to extend the excellent [prototype.js](#) effort from the Ruby on Rails folks.

OPEN SOURCE

Rico is provide free and open-source ([Apache 2.0 License](#)) for either your personal or commercial use. [Sabre Airline Solutions](#) retains the copyright on the Rico code produced at Sabre.

BROWSER SUPPORT

Rico has been tested on IE 5.5, IE 6, Firefox 1.0x/Win, Camino/Mac, Firefox 1.0x/Mac. Currently there is no Safari or Mac IE 5.2 support. Support will be provided in a near future release for Safari.

AJAX SUPPORT

Ajax is the term that describes a set of web development techniques for creating interactive web applications. One of the key ingredients is the JavaScript object XMLHttpRequest. Rico provides a very simple interface for registering Ajax request handlers as well as HTML elements or JavaScript objects as Ajax response objects. Multiple elements and/or objects may be updated as the result of one Ajax request.

Want to get started learning? Check out our [demos](#) and then read our two Ajax tutorials on the [Documentation page](#).

DRAG AND DROP

Desktop applications have long used drag and drop in their interfaces to simplify user interaction. Rico provides one of the simplest interfaces for enabling your web application to support drag and drop. Just register any HTML element or JavaScript object as a draggable and any other HTML element or JavaScript object as a drop zone and Rico handles the rest.

CINEMATIC EFFECTS

When actions are no longer occurring just at the page level but within the page itself, more clues are required to clue the user on what has transpired. Cinematic effects such as scaling and smooth sliding transitions can communicate change in richer ways than traditional web applications have explored before. Rico provides several cinematic effects as well as some simple visual style effects in a very simple interface.

BEHAVIORS

Take some raw HTML and sprinkle in some behaviors and what do you get? Well in Rico you can get an [accordion](#) component like those found in Macromedia Flex and Lasso. Just nest some DIVs and with one line of JavaScript turn your div panels into an accordion. And the latest behavior is the LiveGrid. LiveGrid allows you to connect an HTML table up to a stream of Ajax responses. Ajax requests are automatically called during table scrolling. The result is now HTML tables can hold an unlimited amount of data scrolled into view on the fly as needed! More behaviors are planned!

NEW! LiveGrid Behavior!

Check out the Alternative to Paging!

See Rico in Action!

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. We are very happy to be sharing our library with the design and development community. This is our first drop of what we hope to be a monthly release cycle for the publication of patterns. In many cases we have bundled the patterns with pointers to related code from the [Yahoo! User Interface Code Library](#). We hope this is a useful resource and look forward to your [feedback](#).

What's a Pattern?

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

Recent Patterns

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.

Breadcrumbs

User needs to navigate potentially large quantities of information efficiently, without becoming lost.

Drag and Drop Modules

The user needs needs to re-arrange the layout of modules on a web page directly with the mouse.

Module Tabs

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

Navigation Tabs

The user needs to navigate through a site to locate content and features and have clear indication of their current location in the site.

Object Pagination

The user needs to view data items from a potentially large set of sorted data that will not be easy to display within a single 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.

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.

Writing a Review

User wants to share her opinion (with others about an object (place, person, thing)) in greater detail than a simple rating.

developer.yahoo.com/ypatterns

The image displays three overlapping screenshots of the Yahoo! Developer Network Design Pattern Library website. The top-left screenshot shows the 'Design Pattern Library' page, which includes a sidebar with navigation links like 'NAVIGATE', 'EXPLORE DATA', 'ORGANIZE DATA', 'GIVE FEEDBACK', 'PERFORM ACTION', 'CUSTOMIZE', and 'APPLICATION NEEDS TO'. The top-right screenshot shows the 'Ratings and Reviews' page, which includes a 'Problem Summary' section and a 'Solution Patterns' section. The bottom screenshot shows the 'Rating An Object' page, which includes a 'Problem Summary' section, an 'EXAMPLE' section showing a restaurant rating, and a 'Use When' section. The right sidebar of the bottom screenshot contains a 'QUICK JUMP' section with links to 'Solution', 'Rationale', and 'Accessibility', and a 'RELATED PATTERNS' section with links to 'Ratings and Reviews', 'Architecture of a Review', and 'Writing a Review'. The bottom-right corner of the bottom screenshot contains a 'SOME RIGHTS RESERVED' logo and a Creative Commons Attribution 2.5 License notice.

Design Pattern Library

YAHOO! DEVELOPER NETWORK

Design Pattern Library

YAHOO! DEVELOPER NETWORK

Design Pattern Library

YAHOO! DEVELOPER NETWORK

Design Pattern Library

Rating An Object

Problem Summary

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

Alma St
Menlo Park, CA 94025

Cross Street:
Between Alma Ln and Ravenswood Ave

Average Rating (7)
Read 7 reviews

Write a Review

Play

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.





surfacing a vocabulary.



current patterns.

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.

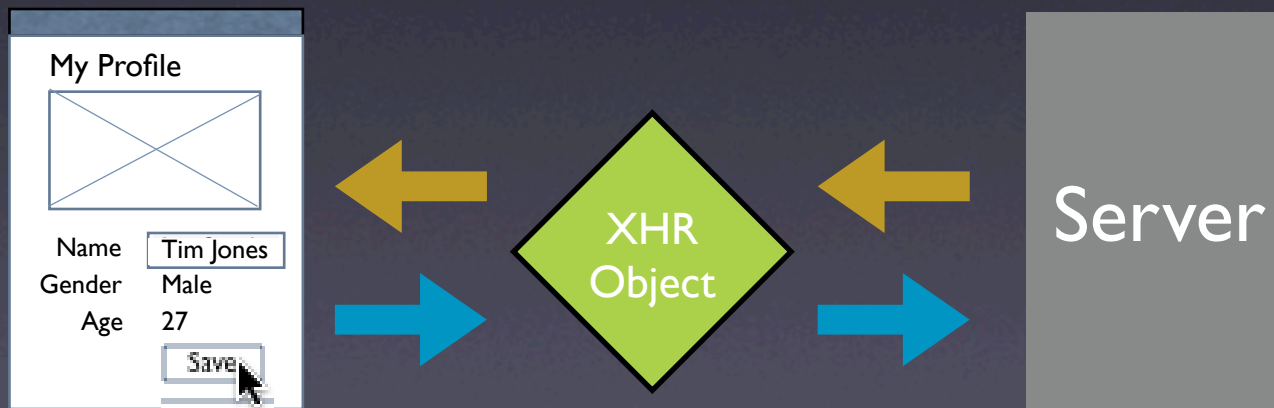
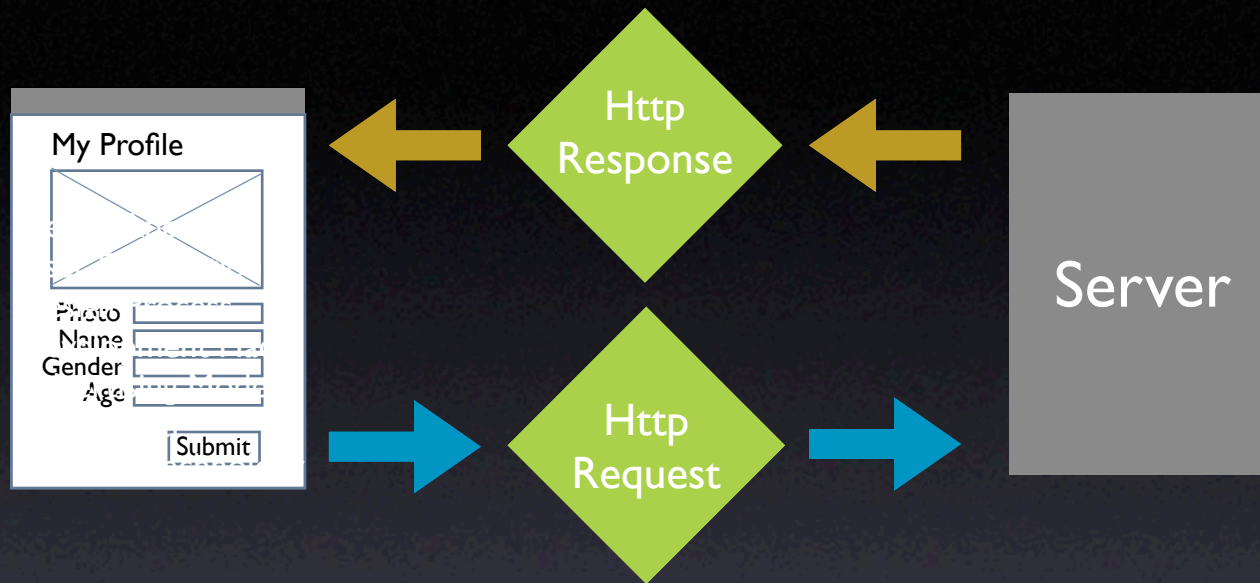


rich patterns.

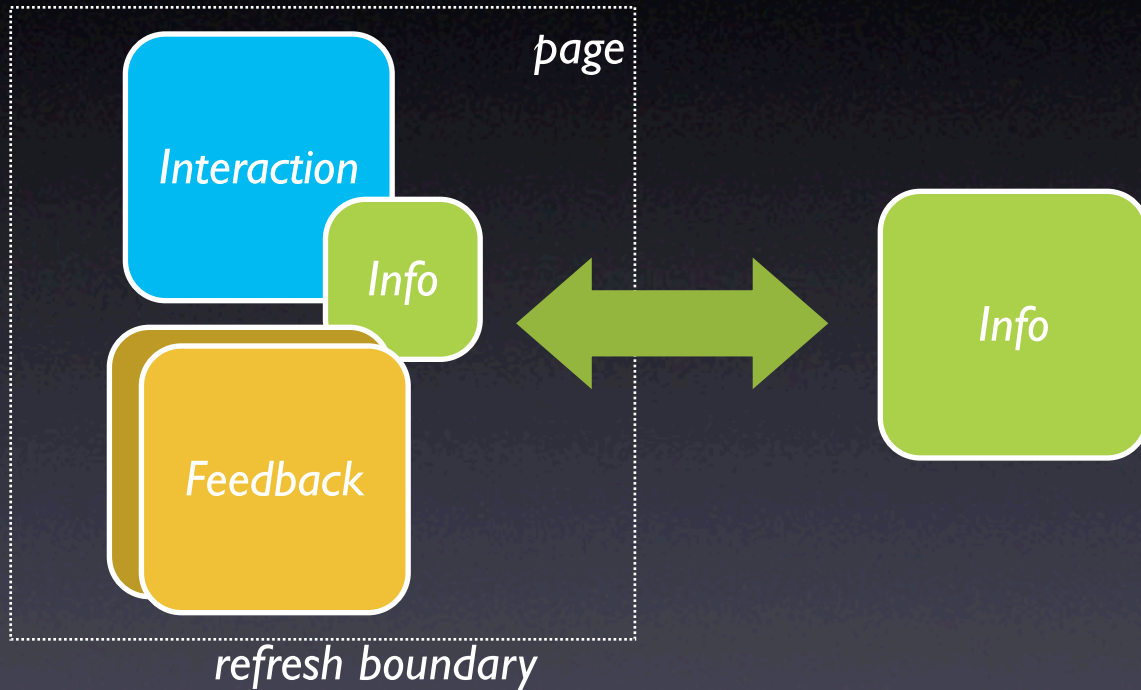
Drag and Drop. Drag and Drop Modules. In Page Editing. In Page Custom Editing. Direct State Editing. Grid Cell Editing. Inline Custom Editing. Inline Tag Editing. Popup Custom Editing. Slide-out Custom Editing. Inline Text Editing. Persistent Portals. Inline Reordering. Indication. Busy Indication. Cursor Busy. In Context Busy. In Context Progress. Inline Status. 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.



classic model. rich model.



interaction. presentation. data.



data near. interaction rich.



Interaction

Feedback

Info

design principles for richness

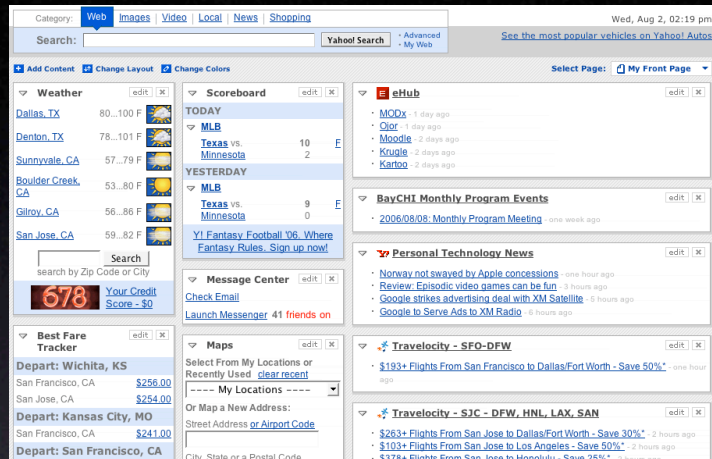
Interaction

Feedback

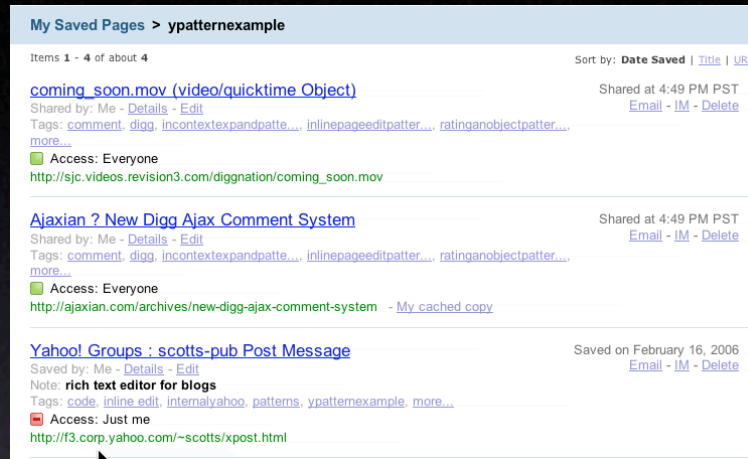
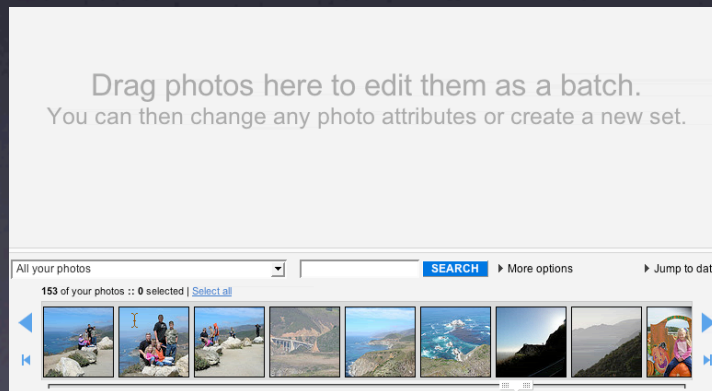
Info

interaction principles

principle. make it direct.



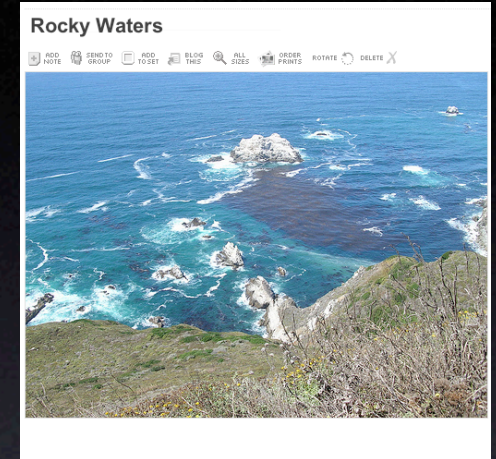
pattern. drag and drop.



pattern. inline editing.



pattern. in-context tools.



make it direct

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.



make it direct

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

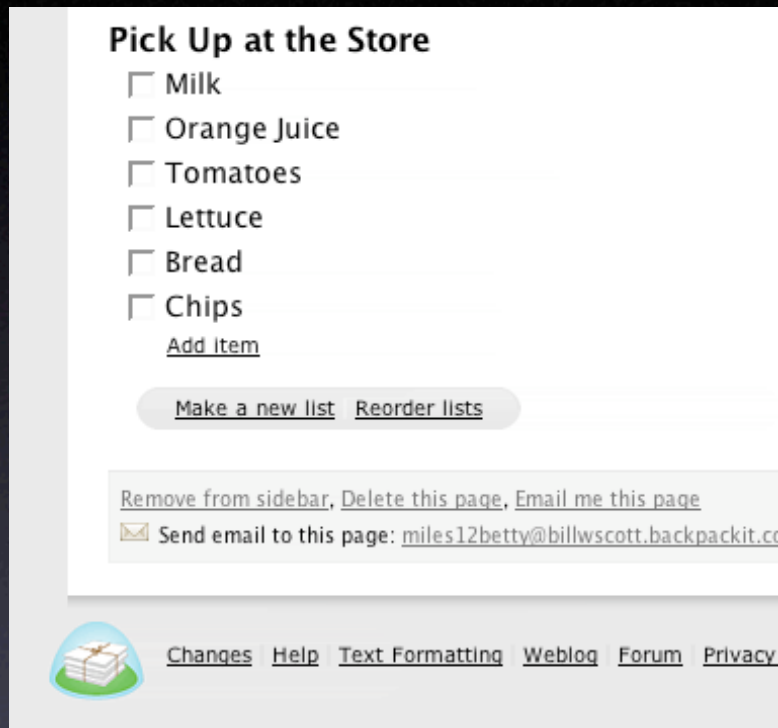
OR

CANCEL

make it direct

Prefer interaction within the page

What about discoverability?

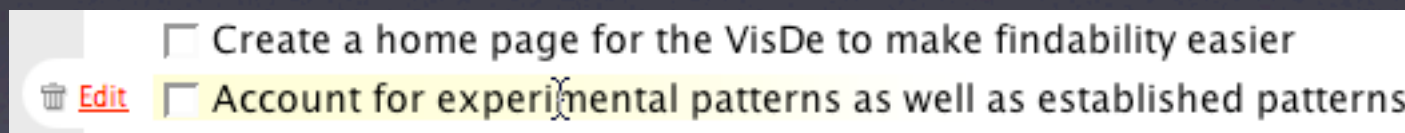


Use direct editing on page content

What about save/cancel?

Avoid page jitter

Reduce the feeling of modes



Provide in-context tools

Only good for single operations

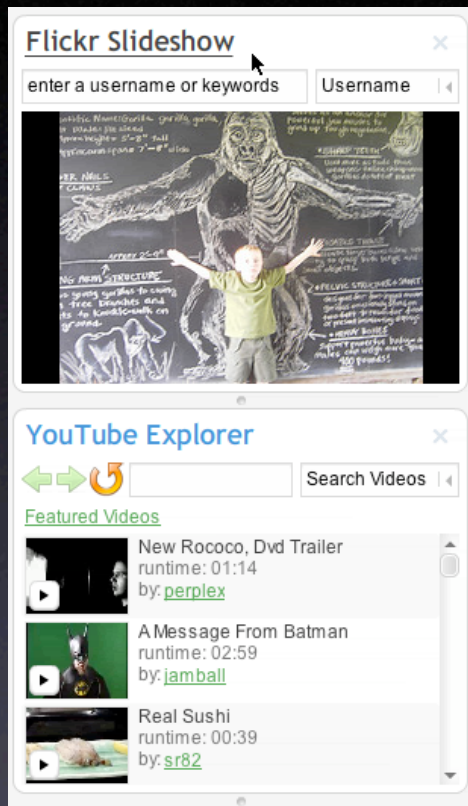
Can actually slow you down



make it direct

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

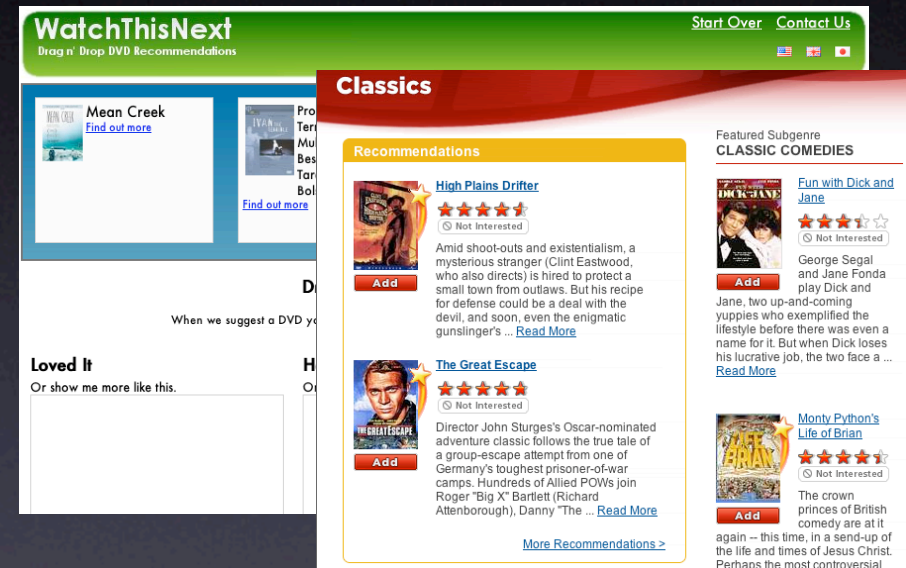
- What is spam?
- Can I transfer my message credits?
- How do I delete my HandyPay account?
- What if I didn't receive my full message package?
- I need to contact customer care regarding the Compose Text Message service.

Use direct editing on page content

What about save/cancel?

Avoid page jitter

Reduce the feeling of modes



Use drag and drop where appropriate

Not for simply setting an attribute

Good for layout changes or containment

Needs transitions

Provide in-context tools

Only good for single operations

Can actually slow you down



Search: Search

Hello Bill [Sign Out, My Account] 44° - 69°

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

Best Fare Tracker

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

Depart: Seattle/Tacoma, WA
Honolulu, HI \$529.60

Depart: San Francisco, CA
London, United Kingdom - all \$252.00

Find other Best Fares:

From:
To:
Adults: 1 Search

[Disclaimer](#)
* Some taxes and fees add
[Learn More](#)

Weather

Dallas, TX	49...62 F	
Denton, TX	47...61 F	
Sunnyvale, CA*	44...69 F	
Boulder Creek, CA*	40...67 F	
Gilroy, CA*	41...68 F	

Hello Bill [Sign Out, My Account] 44° - 69°

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

Best Fare Tracker

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

Depart: Seattle/Tacoma, WA
Honolulu, HI \$529.60

Depart: San Francisco, CA
London, United Kingdom - all \$252.00

Find other Best Fares:

From:
To:
Adults: 1 Search

[Disclaimer](#)
* Some taxes and fees additional.
[Learn More](#)

Message Center

Check Email New mail

Launch Messenger 28 friends on

Scoreboard

TODAY
no games for selected teams

YESTERDAY

NBA

Memphis vs. Dallas	87 97	F
--------------------	-------	---

[Play Fantasy Baseball on Yahoo! Sports](#)

Maps

Select From My Locations or Recently Used [clear recent](#)

---- My Locations ----

Or Map a New Address:

Street Address or Airport Code

City, State or a Postal Code

U.S.

[Get Map](#)









Weather

Dallas, TX	49...62 F	
Denton, TX	47...61 F	
Sunnyvale, CA*	44...69 F	
Boulder Creek, CA*	40...67 F	
Gilroy, CA*	41...68 F	



make it direct

Take care of the interesting moments




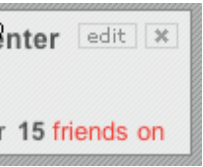
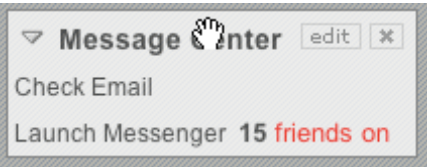
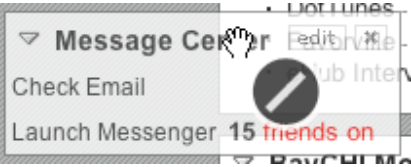
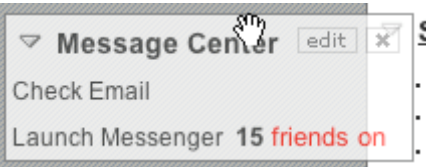
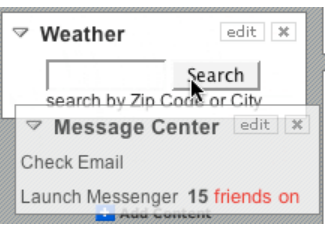
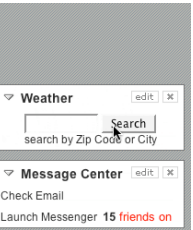
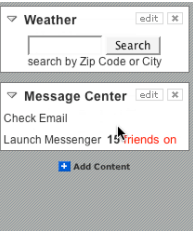
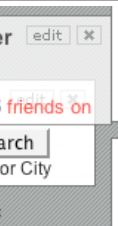
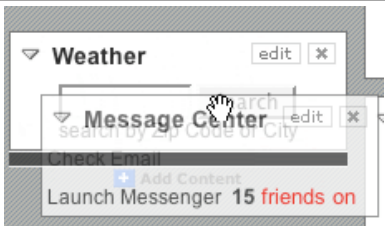
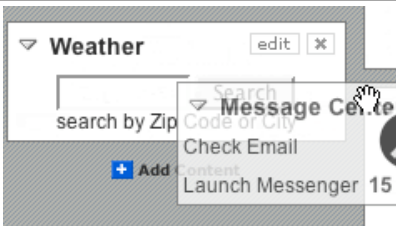
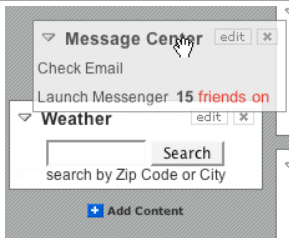
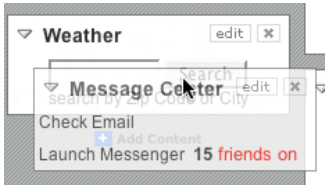
Drag and Drop Modules - Interesting Moments Grid								
Currently on beta.my.yahoo.com			ID: Bill Scott & Eric Miraglia			Date: Nov-05		
	Mouse Hover	Mouse Down	Drag Initiated	Drag Over Valid Target	Drag Over Invalid Target	Drag Over Parent Container	Drop Accepted	Drop Rejected
Cursor								
Tool Tip	CSS Move cursor	CSS Move cursor	CSS Move cursor	CSS Move cursor	CSS Move cursor	CSS Move cursor	Normal Cursor	Normal Cursor
Drag Object	<div><div>▼ Message Center</div><div>Check Email</div><div>Launch Messenger 15 friends on</div></div> <div>Full Opacity</div>	<div><div>▼ Message Center</div><div>Check Email</div><div>Launch Messenger 15 friends on</div></div> <div>Reduced Opacity</div>	<div><div>▼ Message Center</div><div>Check Email</div><div>Launch Messenger 15 friends on</div></div> <div>Reduced Opacity</div>	<div><div>▼ Message Center</div><div>Check Email</div><div>Launch Messenger 15 friends on</div></div> <div>Reduced Opacity & Invalid Badge</div>	<div><div>▼ Message Center</div><div>Check Email</div><div>Launch Messenger 15 friends on</div></div> <div>Reduced Opacity</div>	<div><div>▼ Weather</div><div>search by Zip Code or City</div><div>▼ Message Center</div><div>Check Email</div><div>Launch Messenger 15 friends on</div></div> <div>Modules animates into the area just below insertion bar</div>	<div><div>▼ Message Center</div><div>Check Email</div><div>Launch Messenger 14 friends on</div></div> <div>Modules animates back to the home area</div>	
Drop Target	<div><div>▼ Message Center</div><div>Check Email</div><div>Launch Messenger 15 friends on</div></div> <div>▼ Weather</div> <div>No insertion bar, just a gap</div>	<div><div>▼ Message Center</div><div>Check Email</div><div>Launch Messenger 15 friends on</div></div> <div>▼ Weather</div> <div>No insertion bar, just a gap</div>	<div><div>▼ Weather</div><div>▼ Message Center</div><div>Check Email</div><div>Launch Messenger 15 friends on</div></div> <div>Insertion bar showing where it will drop</div>	<div><div>▼ Weather</div><div>search by Zip Code or City</div><div>▼ Message Center</div><div>Check Email</div><div>Launch Messenger 15 friends on</div></div> <div>No insertion bar, just a gap</div>	<div><div>▼ Message Center</div><div>Check Email</div><div>Launch Messenger 15 friends on</div></div> <div>▼ Weather</div> <div>No insertion bar, just a gap & original hole frame of animation</div>	<div><div>▼ Weather</div><div>▼ Message Center</div><div>Check Email</div><div>Launch Messenger 15 friends on</div></div> <div>Insertion bar is removed as first frame of animation</div>	<div><div>▼ Weather</div><div>▼ Message Center</div><div>Check Email</div><div>Launch Messenger 15 friends on</div></div> <div>Insertion bar is removed as first frame of animation</div>	



Drag and Drop Modules - Interesting Moments Grid

ID: Bill Scott & Eric Miraglia

Date:

Initiated	Drag Over Valid Target	Drag Over Invalid Target	Drag Over Parent Container	Drop Accepted
	 CSS Move cursor	 CSS Move cursor	 CSS Move cursor	Normal Cursor
	 Reduced Opacity	 Reduced Opacity & Invalid Badge	 Reduced Opacity	 Modules animates into the area just below insertion bar  Module comes to rest in new area  Modules slide up in a self-healing transition to close hole
			 Add Content	 Insertion bar is removed as first

principle. keep a light footprint.

pattern. in page action.

282 diggs
[digg it](#)

[Fixing the Mighty Mouse](#)
submitted by [usedmac](#) 1 day 1 hour ago (via [http://mac](#))

The Apple Mighty Mouse brings a slew of great feat with most new Mac systems it is becoming a comm one for close to a year now, I have found that the us Scroll Ball far outweigh its quirks.

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

ONAL FINANCE TOOLS & RESEARCH MY MARKETWATCH MY STORIES(0)

gal ruling

E-mail [Disable live quotes](#)
[Digg it](#) [Del.icio.us](#)

Dow Jones Industrial Average, as
ng distance of a new high.

nts to
1,708, with Dow Jones Industrial Averi
11,707.89 +38.60 +0.33%
2,268 while comp +4.5%
sp500 +0.5%
© BigCharts.com 1:17PM ET

MOST POPULAR

READ E-MAILED EDITOR'S PICK

1. U.S. stocks rise; Dow makes a play for record high
2. U.S. stock futures turn lower as durable-goods data disappoint
3. U.S. Aug. new-home sales up 4.1% to 1.05 million
4. How to cope with a condo-investment hangover
5. GM reportedly demands billions for Renault-Nissan deal
6. API reports an across-the-board climb in petroleum supplies
7. Wednesday's biggest stock gainers and decliners
8. McDonald's boosts dividend to \$1 a share from 67 cents

Backward looking and reflects a time

ew
238.67, +5.84,
11,707.57 +38.18 +0.33%
12,000
10,000
8,000
6,000

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**
\$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: [1](#) **royal grape**
\$29.50 \$9.99 [add to bag](#)

pattern. rating an object.

RECOMMEND THIS STORY

Recommend It: [☆☆☆☆☆](#) Average (63 votes) [★★★★★](#)

Classics

Recommendations

[Add](#) **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](#)

[Add](#) **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

[Add](#) **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](#)

[Add](#) **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

The Critics:
B-
[14 reviews](#)

Yahoo! Users:
B+
[13199 ratings](#)

My Grade:
Rate this Movie!
Select grade to the right
[write a review](#)

A
B
C
D
F

pattern. remembered collection.




Watch your click weight

Keep actions immediate and light
Count "clicks"

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](#)

Add



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](#)

Add

[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](#)

Add



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

Add

282 diggs

digg it

Fixing the Mighty Mouse

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

The Apple Mighty Mouse brings a slew of great feat with most new Mac systems it is becoming a comm one for close to a year now, I have found that the us Scroll Ball far outweigh its quirks.

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

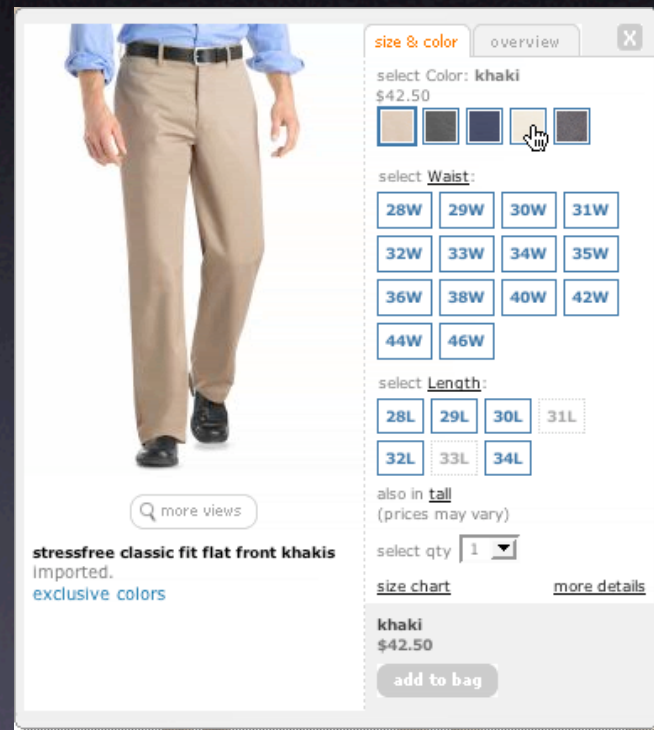
keep a light footprint

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



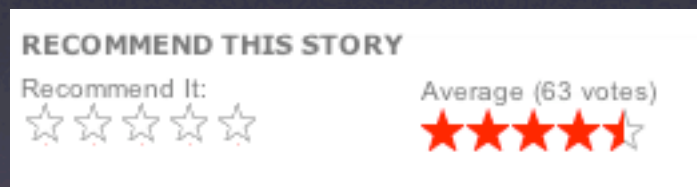
keep a light footprint

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



Use lightweight events

Hover
Blur, focus
Click. Avoid double-click

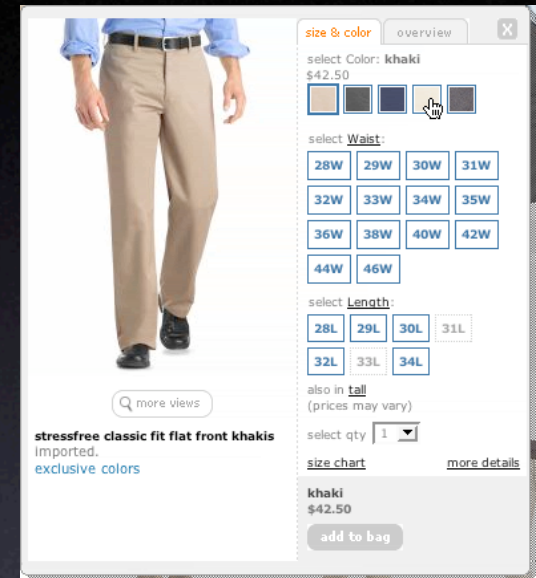
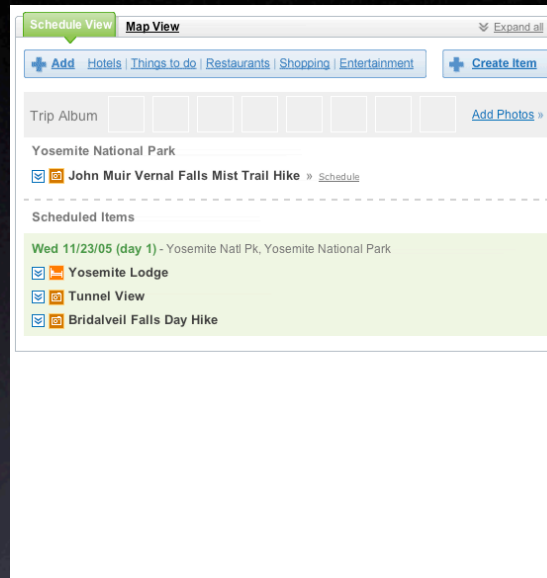
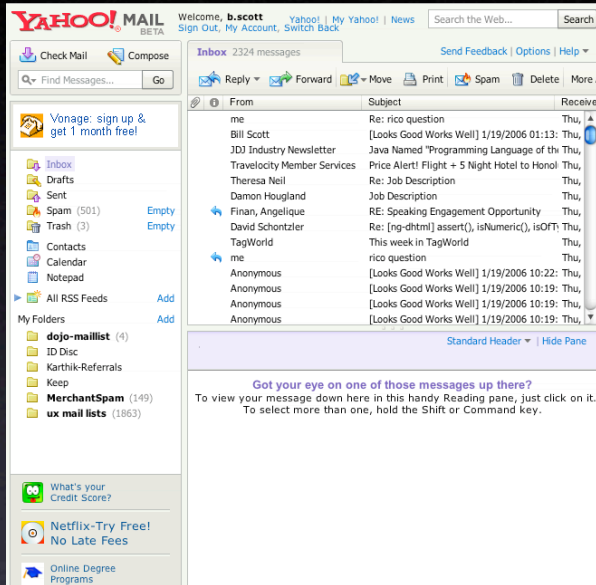


principle. cross borders reluctantly.

pattern. on-demand scrolling.

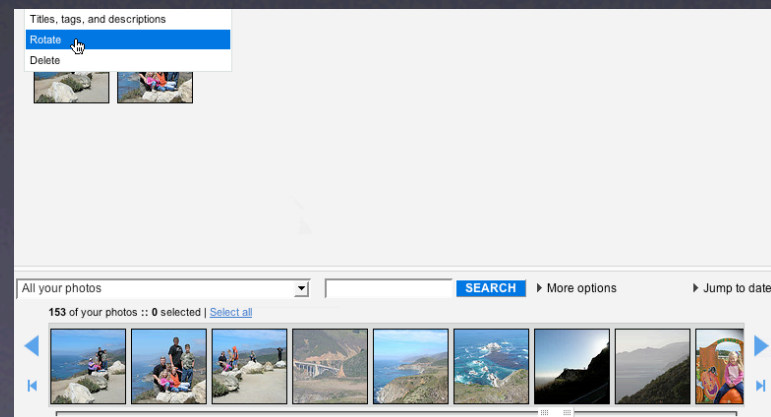
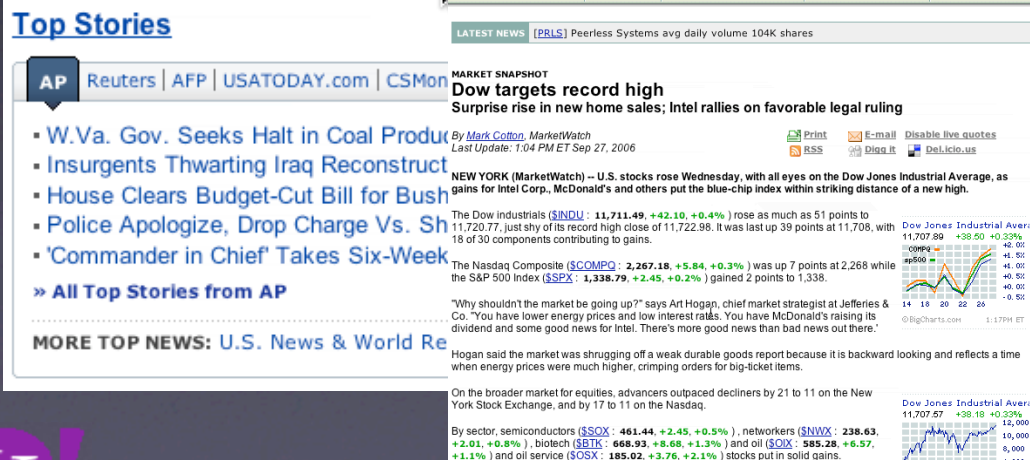
pattern. in-context expand.

pattern. inline assistant.



pattern. hover details.

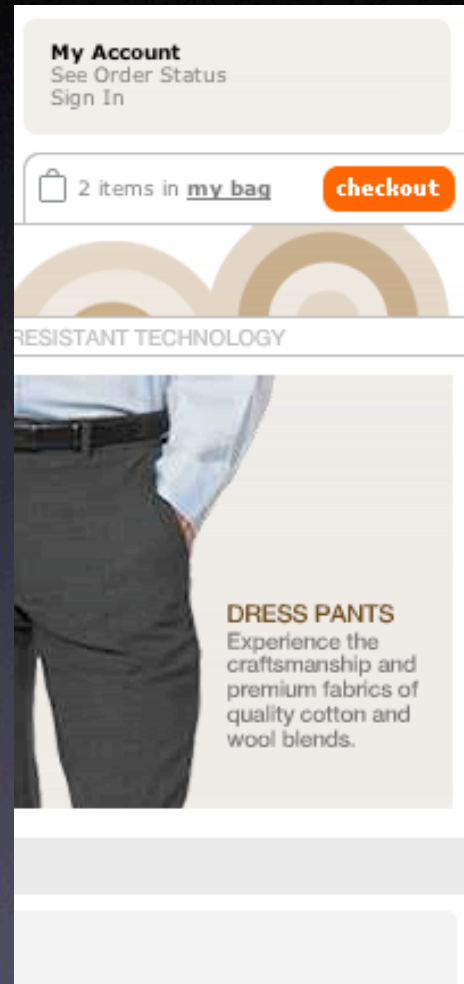
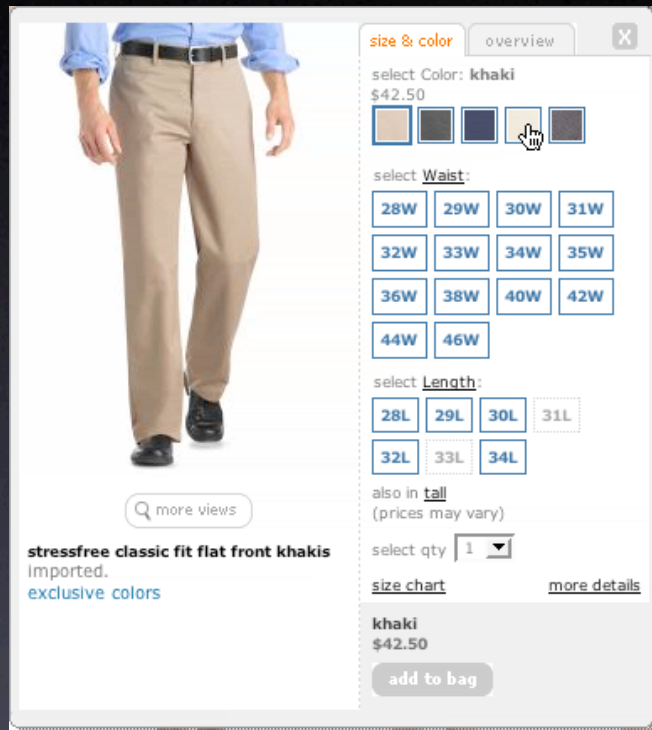
pattern. lightweight popup + lightbox



Rethink process flows

Its the user's model, not the page model

Every page jump is a mental speed bump



cross borders reluctantly

Rethink process flows

Its the user's model, not the page model





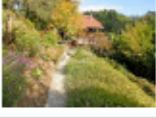
Every page jump is a mental speed bump

Rethink paging

Its the user's model, not the paging model

Use scrolling for "owned" data

Watch out for dual scroll bar issue

Photo Click for info	Price	Bd/Ba Sq Ft	Address and Area Presented By	MLS # (Click for info)	More Photos (Click for info)	Virtual Tours (Click for info)
	\$1,750,000 Single Res	6+, 4+ 3700	14080 BEAR CREEK RD Boulder Creek, CA 95006 (San Lore 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 Mtns) Alain Pinel Realtors			
	\$2,750,000 Single Res	5, 4+ 5000	155 LARITA DR Ben Lomond, CA 95005 (San Lore Valley) Network Alliance Real Estate			
	\$2,777,000 Single Res	5, 4+ 5819	777 HAPPY VALLEY RD Scotts Valley, CA 95065 (Scotts Valley) Linda Burroughs Real Estate			

New Search << Pre

RICO AJAX SEARCH


LiveGrid Demonstration

Powered by Yahoo! Search


Select Search Category: Web **Images** Videos

Search Images:


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



Use overlays

For more information


Replace page transition

When editing an individual, more complex item

Be symmetrical

Try not to disturb the page


Bill, the following movies were chosen based on your interest in:
[Animal Crackers](#)
[Something the Lord Made](#)
[X2: X-Men United](#)



Monkey Business

One of the Marx Brothers' funniest movies, the title of the film says it all as Groucho, Harpo, Chico and Zeppo stow away on a luxury liner. Before ... [Read More](#)

Add



Lackawanna Blues

Rate Your

All Discs Guaranteed!

You loved it.

Now own it for just **\$5.9**

- FREE shipping
- original artwork
- hardcover case

[Shop now](#) for previously viewed titles low as \$

NETFLIX

Bill Scott | Your Account | Buy / Redeem Gift | Help

Browse Recommendations Friends Queue Buy DVDs


Get Recommendations (869) Rate Movies Movies You've Rated (234)

Recommendations

Movie suggestions based on your ratings

You have 869 Recommendations from 234 ratings.

NEW RECOMMENDATIONS




Samurai Champloo (7-Disc Series)

★★★★★

Not Interested

Director Shinichiro Watanabe mixes a maturity rarely found in anime with a historical Japanese setting and a funky hip-hop soundtrack. Fuu is a spacey waitress at a teahouse where a sword fight ... [Read More](#)

Add All



12 Angry Men

★★★★★

Not Interested

A guilty verdict means death -- but the jury's not about to let that spoil their day. Twelve men must decide the fate of an 18-year-old boy accused of fatally stabbing his father. Only one (Henry Fonda) wants to take the time to coolly deliberate ... [Read More](#)

Add

You Have Recommendations!

Get more recommendations by rating more movies.

Rate More Movies

You've rated 234 movies.

Browse

All Recommendations

Favorite Genres: [Edit](#)

- Action & Adventure (89)
- Drama (123)
- Sci-Fi & Fantasy (5)
- Television (84)
- Thrillers (29)
- Comedy (38)
- Classics (223)
- Documentary (72)

Other Genres:

- Anime & Animation (19)
- Children & Family (33)
- Foreign (123)
- Independent (4)
- Music & Musicals (10)
- Romance (10)

Helpful Tip

Seen any of these movies?

★★★★★

[See All Recommendations >>](#)

CLASSICS DRAMA



Home



Prints & Gifts



View Cart



Settings



Help ▼



Upload Photos



All My Photos



My Albums



Paris06



My Tags



My Friends' Photos

All My Photos

Slideshow

Create ▼

Share ▼

Edit ▼

Prints & Gifts ▼

Drag photos into this tray and choose a task above.

Sort by: [Date](#) ▼



Sunset



Underneath



View from the Top



Eiffel Pulley



From Second Floor Up



Eiffel Tower

Friendly advice for photo sharing.



cross borders reluctantly

Use overlays

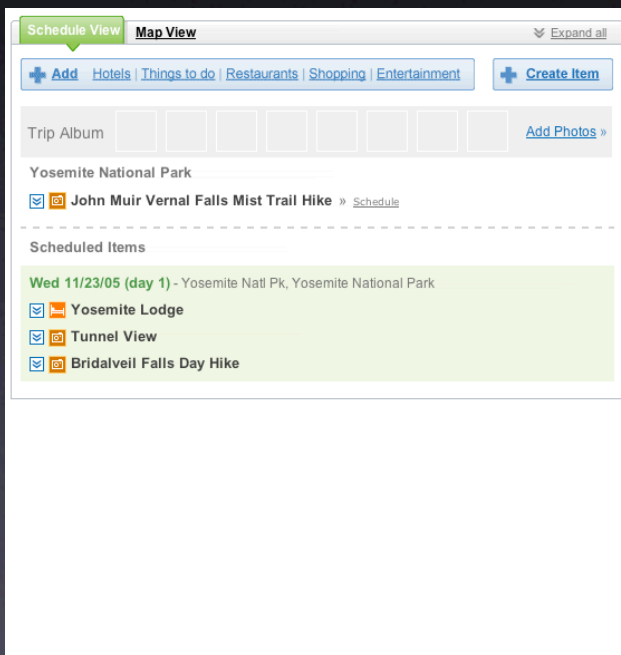
For momentary interruption

Replace page transition

When editing an individual, more complex item

Be symmetrical

Not disturb the page

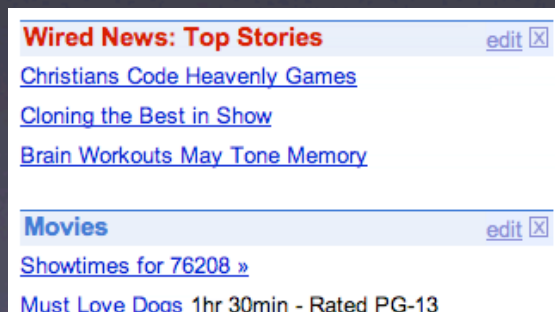
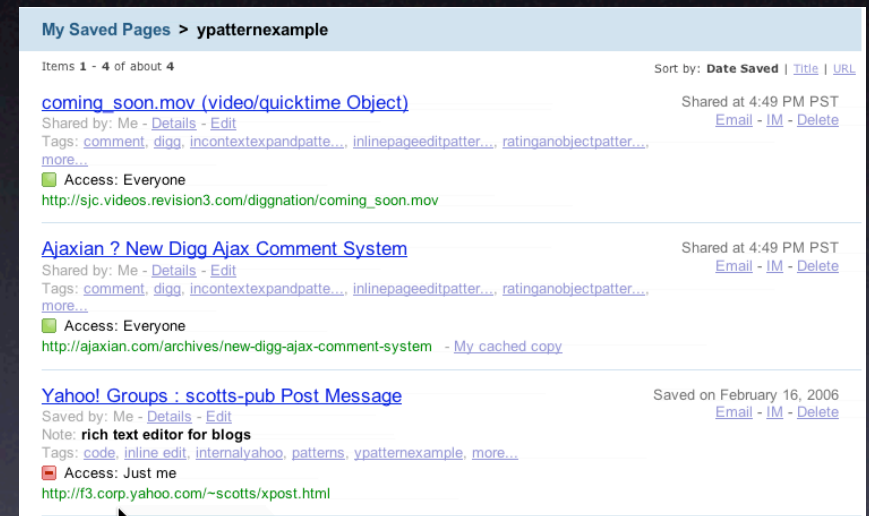


Use in-context expands

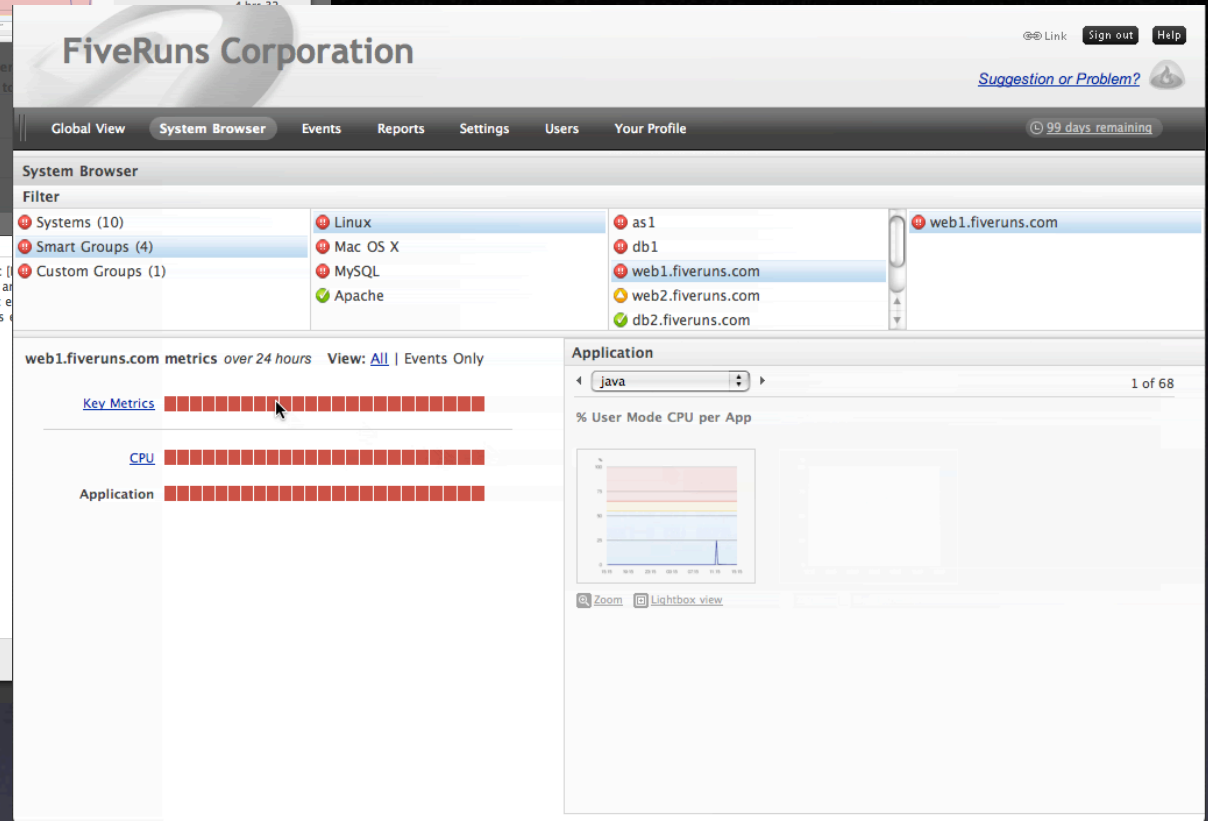
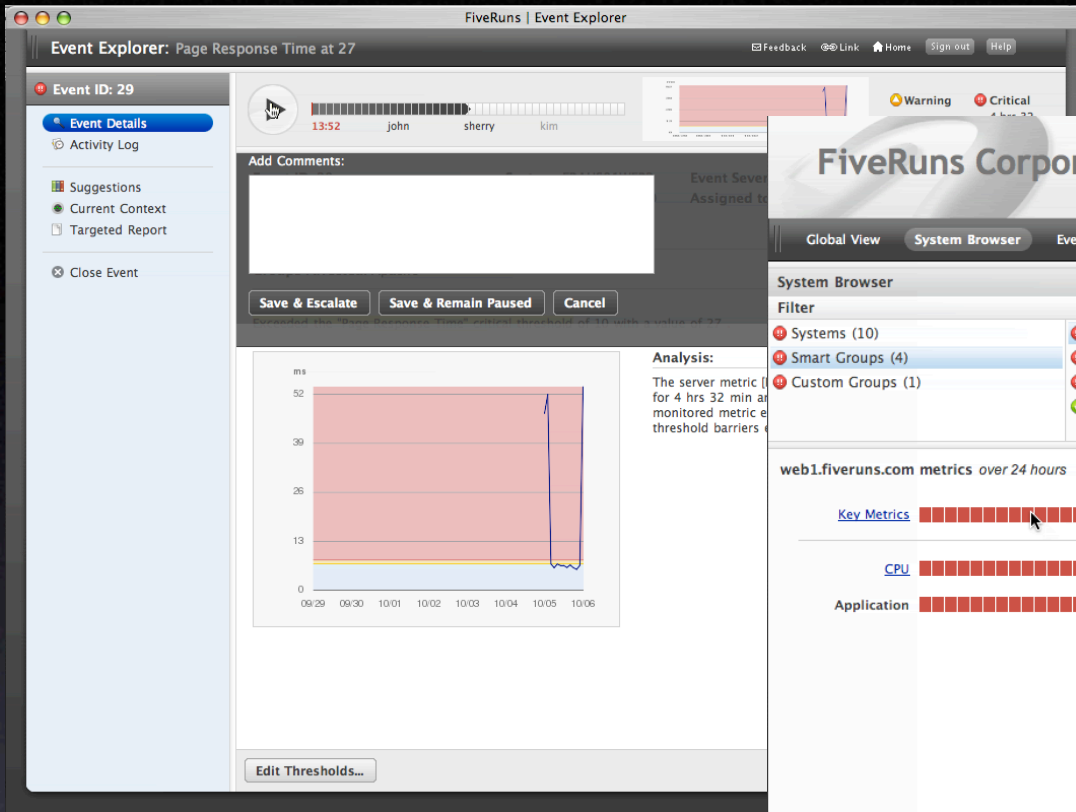
For editing part of a collection

Need to see surrounding context

For managing content modules



cross borders reluctantly

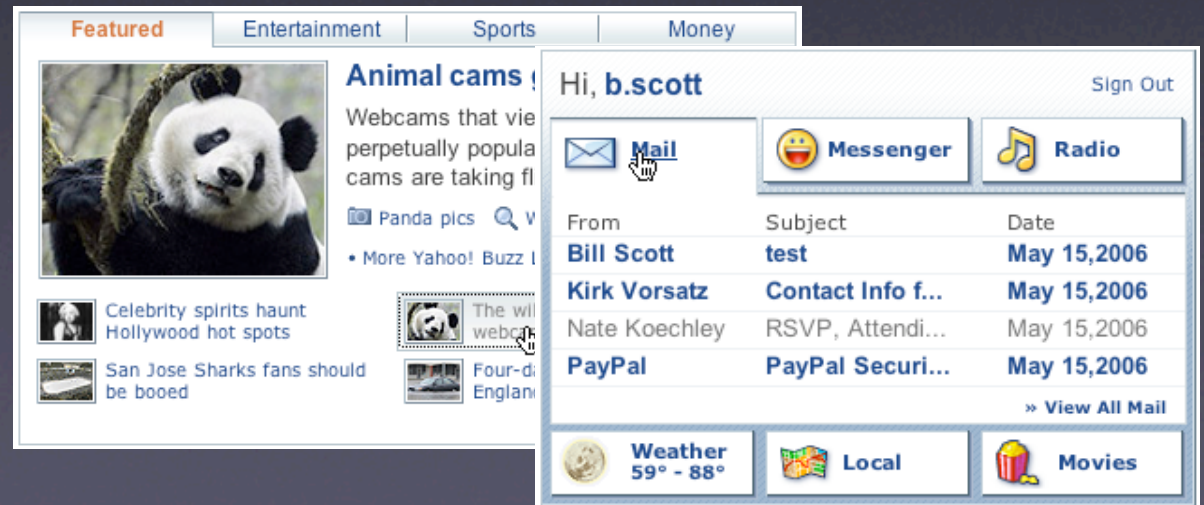


Use real-estate creatively

Use Slideouts

Use in-place zoom

Remember the backstage



key principle

Interaction

*Prefer direct, lightweight,
in-page interaction.*



Interaction

Feedback

Info

feedback principles

principle. give live feedback.

pattern. live suggest.

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](#).

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

You have 1000 characters to work with.

pattern. auto complete.

To: [Show BCC](#)

Cc:

Subject: [Plain Text](#)

Times New Roman 12 **B** *I* U

KAYAK™ Search with us, book with them.™

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

☒ Round-trip ☐ One-way ☐ Multi-city

From **To**

☒ Show Nearby Airports ☒ Show Nearby Airports

Leave 2/15/2006 **Time** Anytime **Return** 2/22/2006 **Time** Anytime

Travelers 1 **Cabin** Economy

☐ Prefer Nonstop

for [hundreds of airlines](#).

pattern. busy indicator.

Check Mail Compose

pattern. live previews.

Find a domain name:

www.

(ex. widgetdesigns.com)

pattern. periodic refresh.

MarketWatch From DOW JONES

Get Quote: Find symbol Search: Advanced search

NEWS & COMMENTARY **MARKETS** **MUTUAL FUNDS & ETFs** **PERSONAL FINANCE** **TOOLS & RESEARCH**

LATEST NEWS [MCD] UBS ups McDonald's price target to \$46 from \$44

MARKET SNAPSHOT
Dow targets record high
Surprise rise in new home sales; Intel rallies on favorable legal ruling

By [Mark Cotton](#), MarketWatch
Last Update: 1:04 PM ET Sep 27, 2006

[Print](#) [E-mail](#) [Disable live quotes](#)
[RSS](#) [Digg It](#) [Del.icio.us](#)

NEW YORK (MarketWatch) -- U.S. stocks rose Wednesday, with all eyes on the Dow Jones Industrial Average, as gains for Intel Corp., McDonald's and others put the blue-chip index within striking distance of a new high.

The Dow industrials ([\\$INDU](#) : 11,709.25, +39.86, +0.3%) rose as much as 51 points to 11,720.77, just shy of its record high close of 11,722.98. It was last up 39 points at 11,708, with 18 of 30 components contributing to gains.

The Nasdaq Composite ([\\$COMPO](#) : 2,267.12, +5.78, +0.3%) was up 7 points at 2,268 while the S&P 500 Index ([\\$SPX](#) : 1,338.76, +2.42, +0.2%) gained 2 points to 1,338.

"Why shouldn't the market be going up?" says Art Hogan, chief market strategist at Jefferies & Co. "You have lower energy prices and low interest rates. You have McDonald's raising its dividend and some good news for Intel. There's more good news than bad news out there."

Hogan said the market was shrugging off a weak durable goods report because it is backward looking and reflects a time when energy prices were much higher, crimping orders for big-ticket items.

On the broader market for equities, advancers outpaced decliners by 21 to 11 on the New York Stock Exchange, and by 17 to 11 on the Nasdaq.

By sector, semiconductors ([\\$SOX](#) : 461.30, +2.31, +0.5%), networkers ([\\$NWX](#) : 238.62, +2.00, +0.8%), biotech ([\\$BTK](#) : 668.91, +8.66, +1.3%) and oil ([\\$OIL](#) : 585.23, +6.52, +1.1%) and oil service ([\\$OSX](#) : 185.03, +3.77, +2.1%) stocks put in solid gains.

Dow Jones Industrial Average
11,707.89 +38.50 +0.33%
+5.00
+4.50
+4.00
+3.50
+3.00
+2.50
+2.00
+1.50
+1.00
+0.50
-0.50
-1.00
-1.50
-2.00
-2.50
-3.00
-3.50
-4.00
-4.50
-5.00

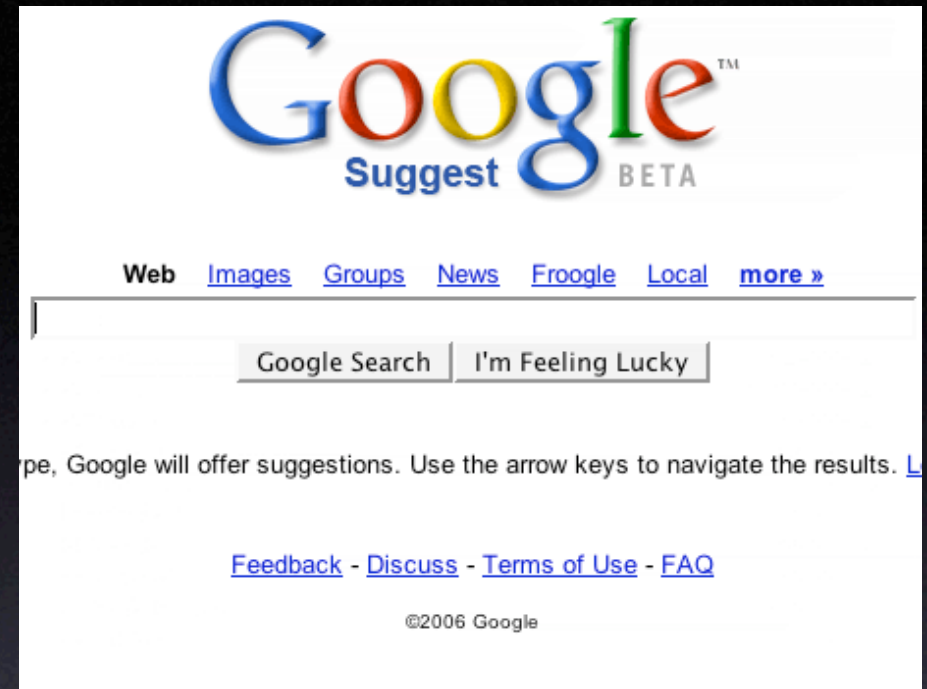
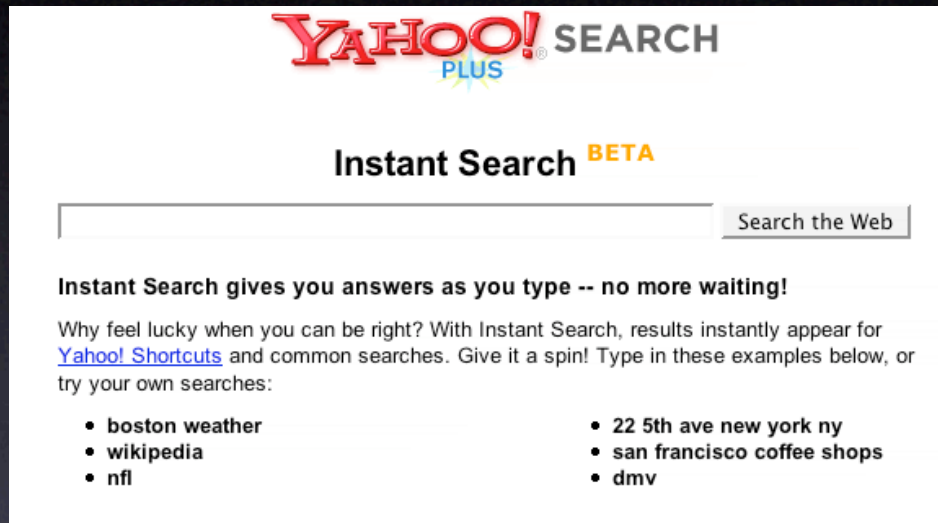
©BigCharts.com 1:17PM ET



Keep the goal in mind

Design for relevancy

Is it narrowing or is it distracting?



Keep the goal in mind

Design for relevancy

Is it narrowing or is it distracting?

Use feedback to boost confidence

Let the user iterate where possible

The screenshot shows the alltheweb search engine interface. The search bar contains the text 'monterrey'. Below the search bar, a list of suggestions is displayed, including 'monterrey mexico', 'monterrey nl mexico', 'arena monterrey', 'tec de monterrey', 'tecnologico de monterrey', 'monterrey nuevo leon', 'monterrey mexico map', 'universidad de monterrey', and 'cablevision monterrey'. The search results are displayed in a grid format. The first result is 'Save on Monterrey Hotels at Expedia.com', which is a sponsored result. The second result is 'Monterrey Vacations with Travelocity', also a sponsored result. The third result is 'News Results for monterrey', which includes a link to 'FC Dallas traveling roster to Monterrey'. The fourth result is 'All About Monterrey', which is a city guide. The fifth result is 'Monterrey - Wikipedia, the free encyclopedia', which provides a brief overview of the city. The interface includes a sidebar with navigation links like 'Options', 'Go to...', and 'Help'. The search results are organized into sections like 'SPONSOR RESULTS' and 'News Results for monterrey'.

alltheweb
livesearch

Options Go to... Help

monterrey

monterrey mexico
monterrey nl mexico
arena monterrey
tec de monterrey
tecnologico de monterrey
monterrey nuevo leon
monterrey mexico map
universidad de monterrey
cablevision monterrey

Refine Search

Tell a Friend Feedback

Results 1 - 10 of about 8,620,000 for **monterrey** (About this page)

Did you mean: [monterrey](#)

SPONSOR RESULTS

[Save on Monterrey Hotels at Expedia.com](#)
www.expedia.com Save up to 50% on Monterrey hotels at Expedia.com, your one-stop...

[Monterrey Vacations with Travelocity](#)
www.travelocity.com Get access to special Monterrey rates when you book your flight and...

[News Results for monterrey](#)
[FC Dallas traveling roster to Monterrey](#) - OurSports Central - Jul 24 6:16 PM
[Yahoo! Shortcut - About](#)

Yahoo!s: Seeing bad search results or ads for this query? [Report them](#). Bucket test: [NONE](#)

[All About Monterrey](#)
City guide includes information about hotels, restaurants, nightlife, entertainment, maps, and more. ... **Monterrey** is a unique city which is often called the richest city in México. **Monterrey** is also a powerhouse in the business ...
[www.allaboutmonterrey.com](#)

[Monterrey - Wikipedia, the free encyclopedia](#)
Monterrey is the capital city of the northeastern Mexican state of Nuevo León and the municipal seat of the municipality of the same name. ... The divided highway **Monterrey-Saltito-Matehuala-Mexico City** is the main land ... Nuevo Laredo-Mexico City, **Monterrey-Tampico**, and **Monterrey-Pacific** (Mazatlán). Passenger trains ...
Quick Links: [Geography](#) - [Government, Transportation, and Public Safety](#) - [Industry and business](#)
[en.wikipedia.org/wiki/Monterrey](#)

[Monterrey - Weichert](#)
View Color photos, Virtual Tours and Thousands of Open Houses.
[weichert.com](#)

[See your message here...](#)

[International Conference on Financing for Development-2003-main](#)

give live feedback

Keep the goal in mind

Design for relevancy

Is it narrowing or is it distracting

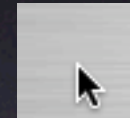
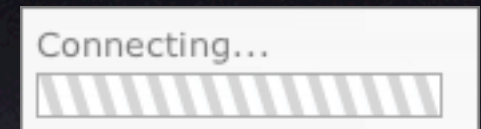
Use feedback to boost confidence

Let the user iterate where possible

Keep the user engaged

Time passes faster

Look for engaging moments



give live feedback

Keep the goal in mind

Design for relevancy

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. wldgetdesigns.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:
Minimum of 6 characters in length.

[Password strength:](#) Too short

Use live-previews

Look before you leap



give live feedback

Keep the goal in mind

Design for relevancy

Is it narrowing or is it distracting

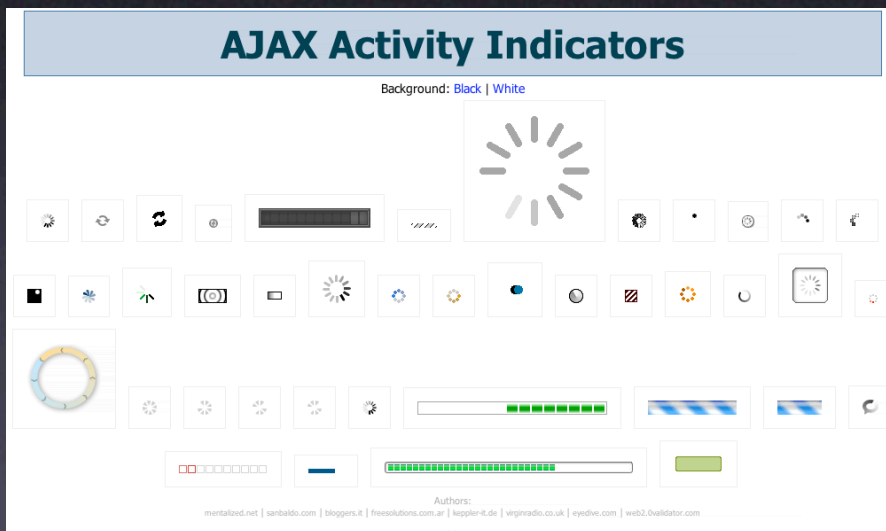
Use feedback to boost confidence

Let the user iterate where possible

Keep the user engaged

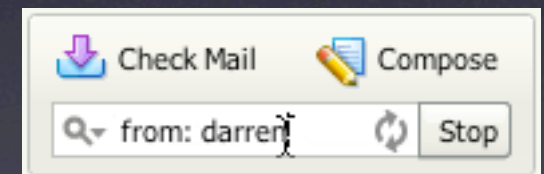
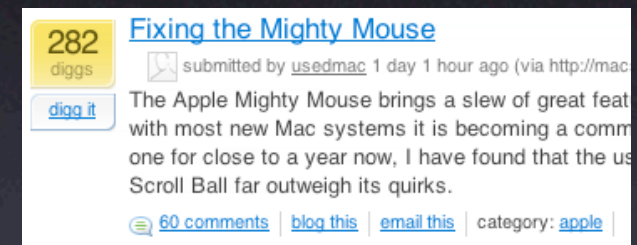
Time passes faster

Look for engaging moments



Use live-previews

Look before you leap



Keep feedback focused

Keep it in context

Avoid creating feedback noise/jitter

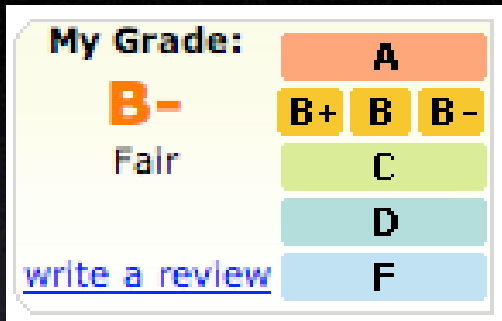
Show dynamically what is relevant

Updating too many areas at once will be confusing



principle. offer an invitation.

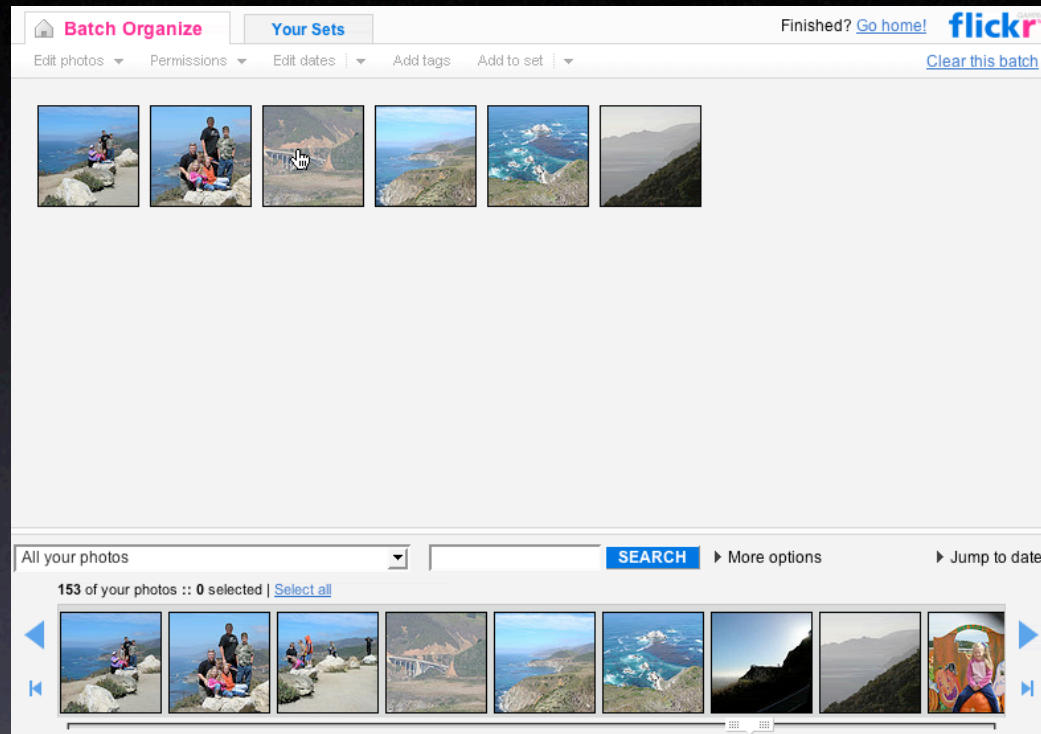
pattern. hover invitation.



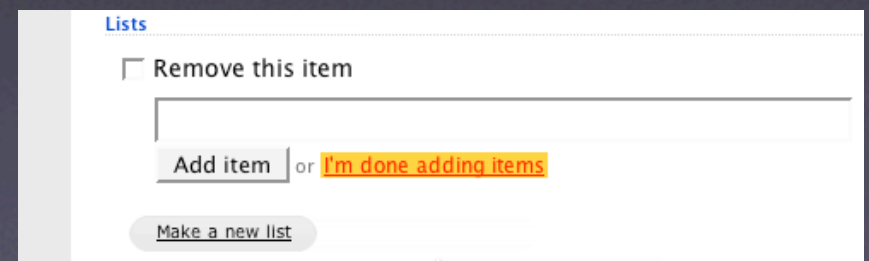
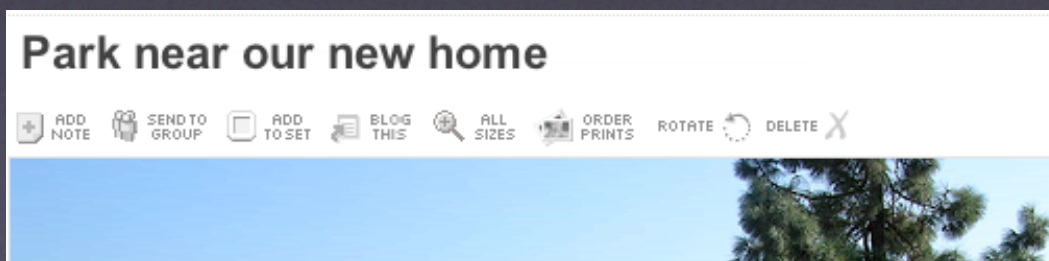
pattern. tour invitation.



pattern. drop invitation.



pattern. tooltip invitation + hover invitation + cursor invitation.



offer an invitation

Make it engaging

Use lightweight events as a welcome mat

Rediscover the hover

My Grade:

A
B+ B B-
C
D
F

B- Fair

[write a review](#)

Lists

☐ Remove this item

Add item or I'm done adding items

[Make a new list](#)

offer an invitation

Make it engaging

Use lightweight events as a welcome mat

Rediscover the hover

Hi, Bill

Sign Out

Mail

Messenger

Radio

1-4 of 14 Friends Online

Prev | Next

annetto8

bbakersf

chanel_wheeler

darren.james

See your friends on 360

Launch Messenger

Weather 53° - 75°

Local

Movies

DVD Rentals Delivered

NETFLIX

FREE Shipping
No Late Fees
60,000+ Titles

Only \$5⁹⁹
a month

Click here

Try Netflix for Free - Ad Feedback

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.

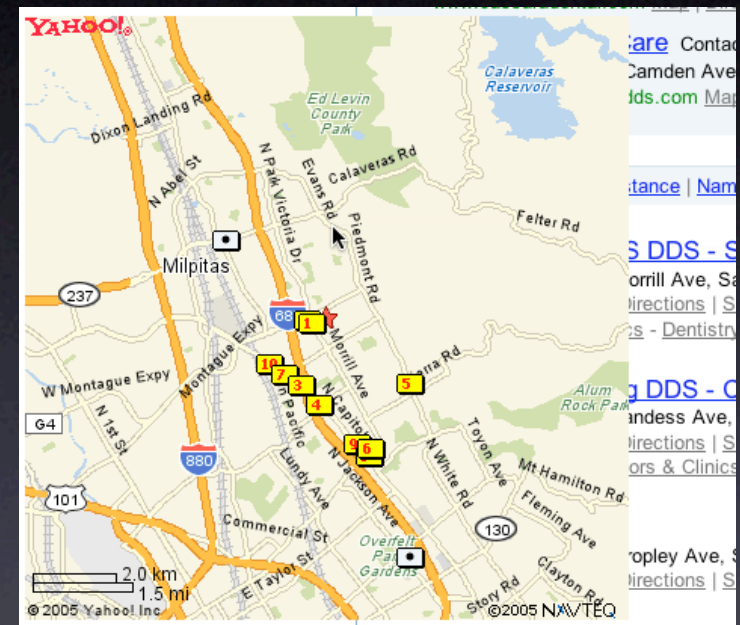
Now we're opening the beta up to all Associates to further improve product previews. The first 500 Associates who refer a sale through a product preview-enhanced link will receive a \$5 Amazon gift certificate. [Click here to join your fellow Associates in beta testing product previews.](#)

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.

Keep actions out of it

Don't make the user afraid to explore

Don't proselytize



offer an invitation

Make it engaging

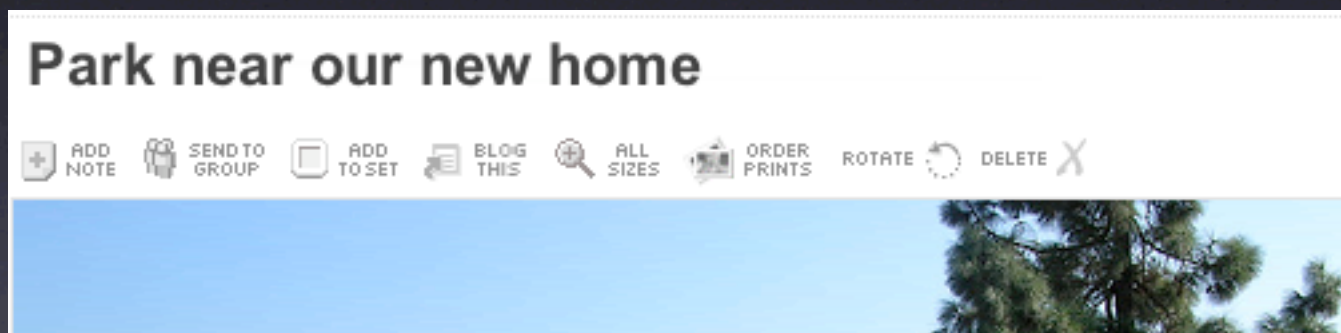
Use lightweight events as a welcome mat

Rediscover the hover

Keep actions out of it

Don't make the user afraid to explore

Don't proselytize



Get the actors involved

Hover Invitation

Cursor Invitation

Tooltip Invitation



offer an invitation

Make it engaging

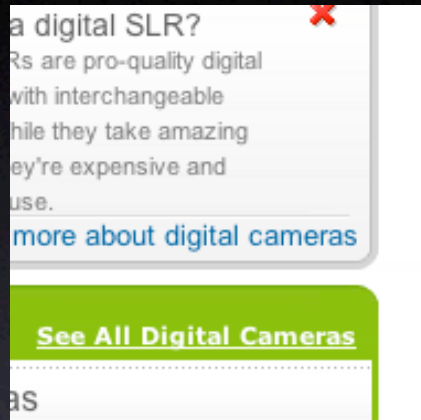
Use lightweight events as a welcome mat

Rediscover the hover

Keep actions out of it

Don't make the user afraid to explore

Don't proselytize



Use invitations to aid discoverability

Two challenges: idiom & feature

Adding signposts, always-on clues doesn't scale

Add tours, help pedals, tips, spotlights

Get the actors involved

Hover Invitation

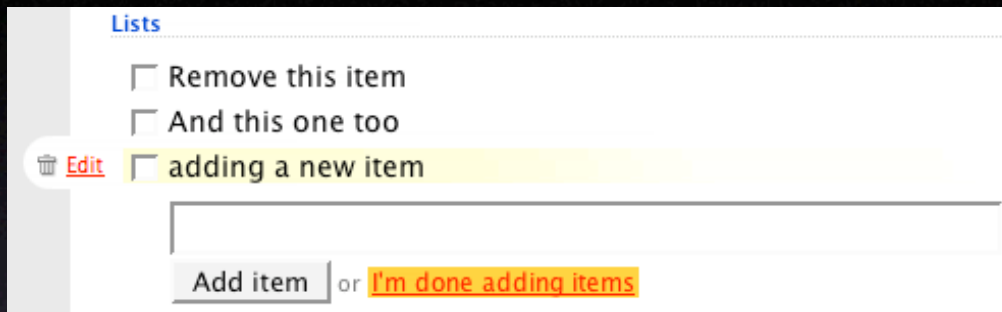
Cursor Invitation

Tooltip Invitation

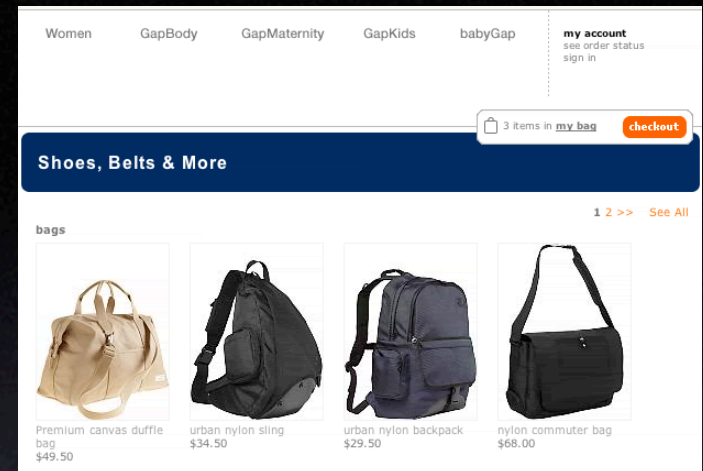


principle. show transitions.

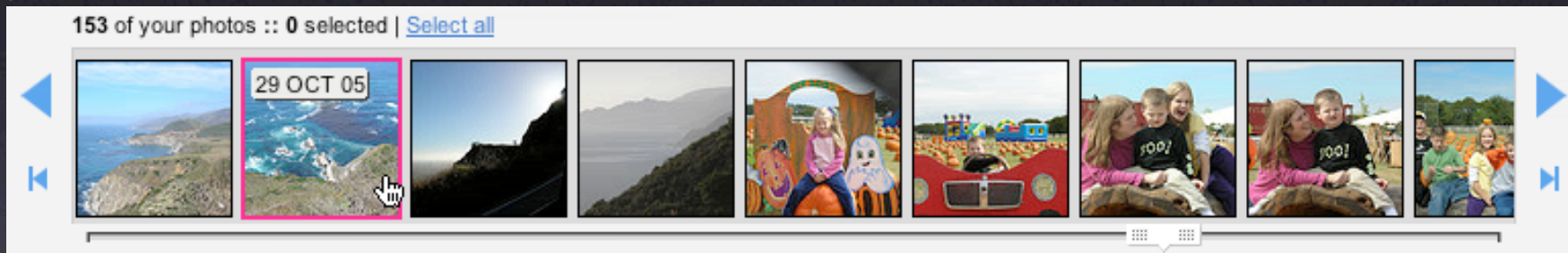
pattern. fade transition + self-healing transition.



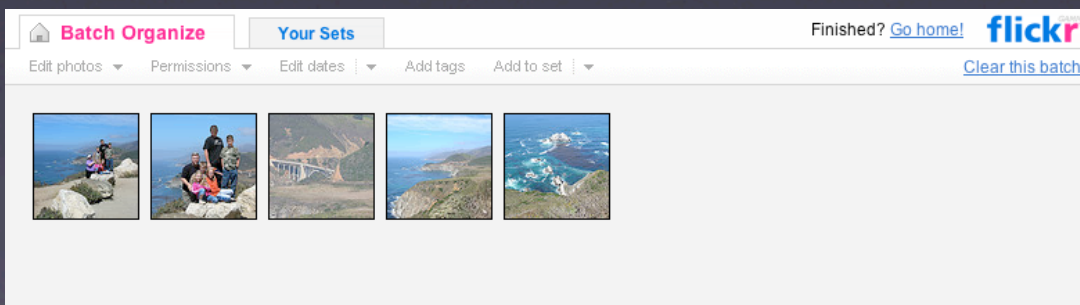
pattern. zoom box.



pattern. slide + animate.

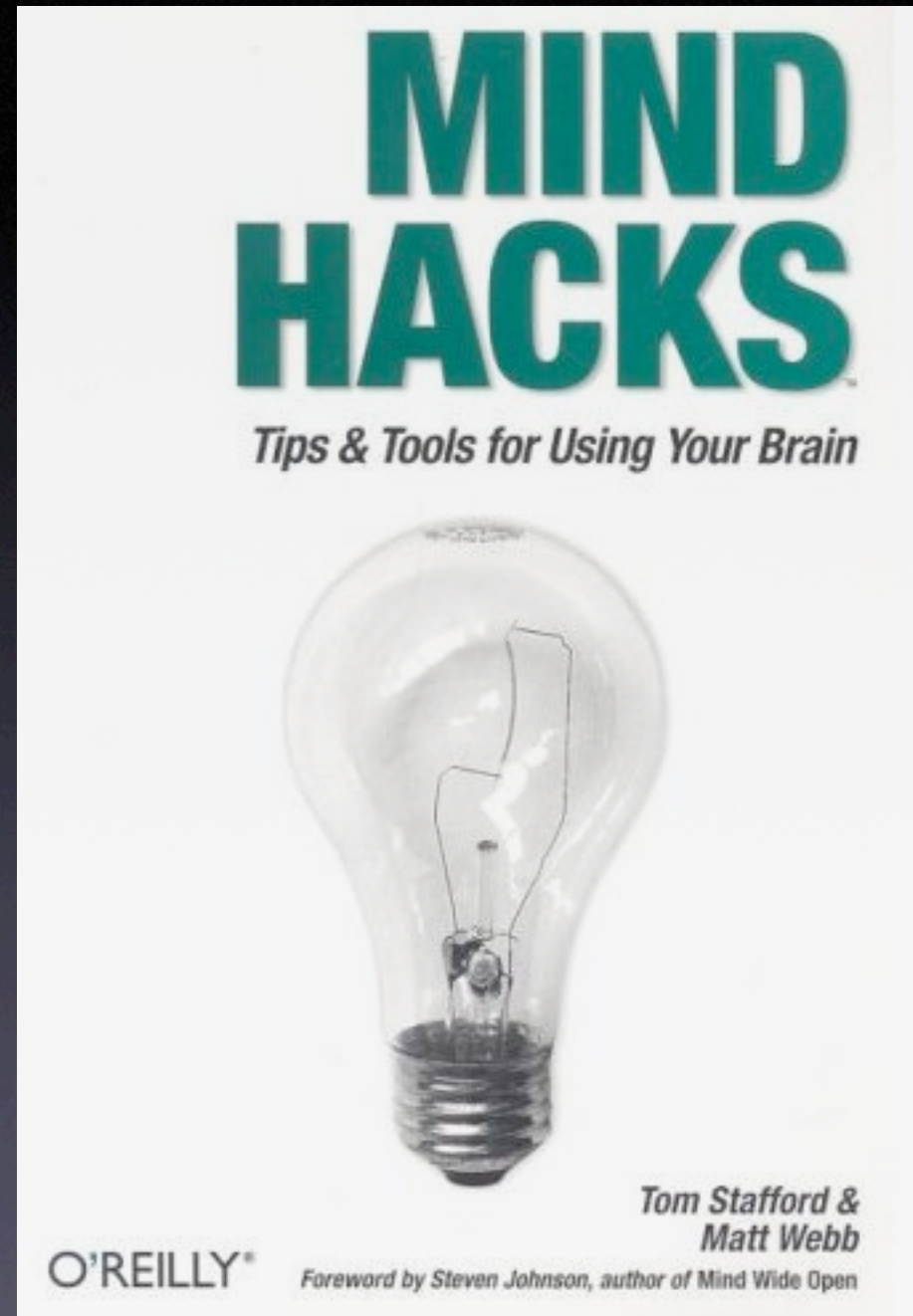


pattern. spotlight.



Speak to the BRAIN

Understanding attention processing

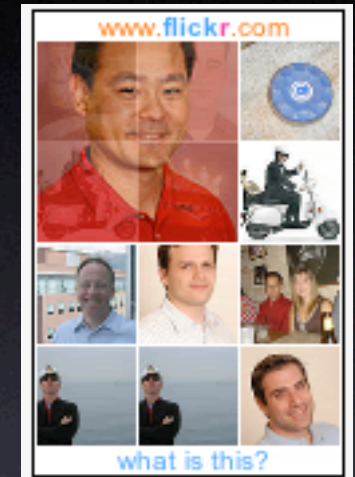
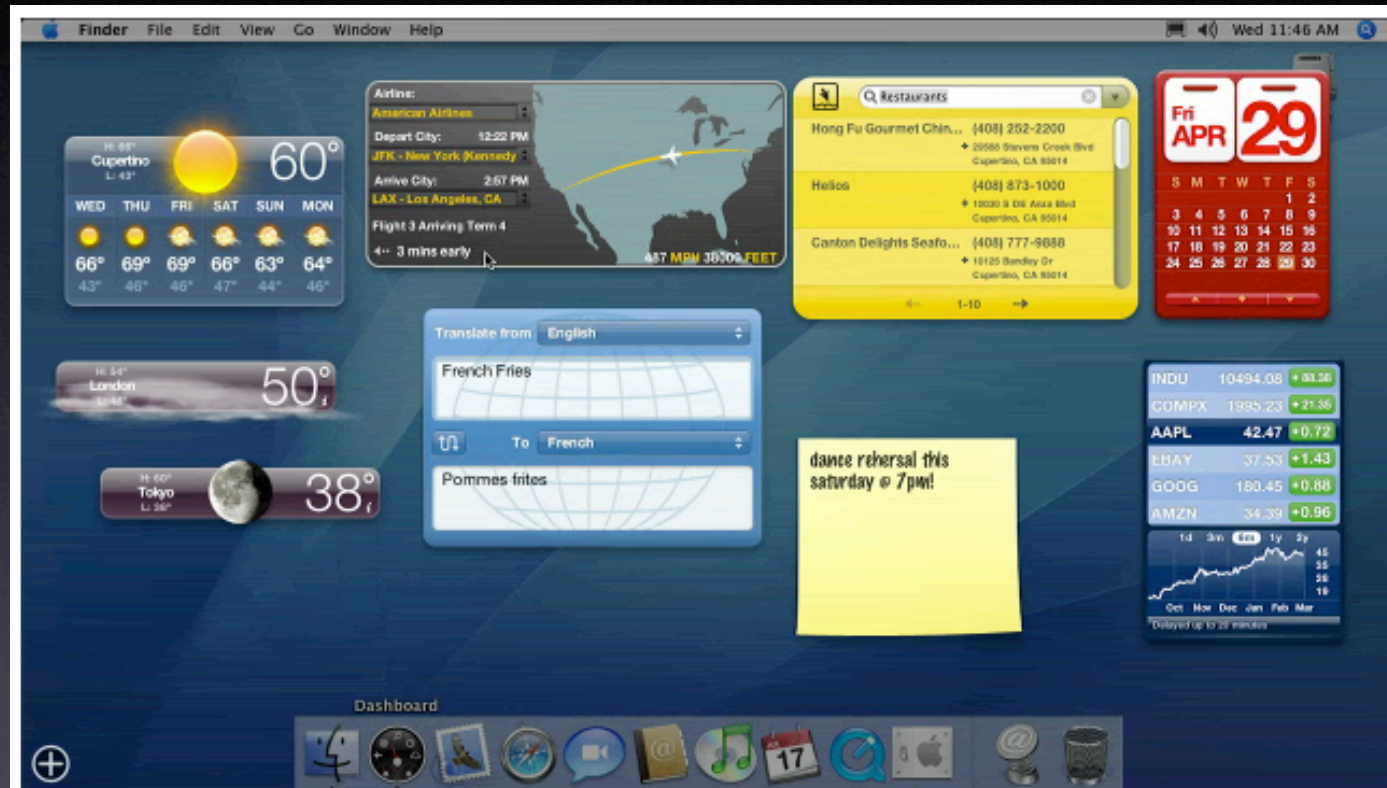


show transitions

Speak to the BRAIN

Understanding attention processing

Sending the wrong message

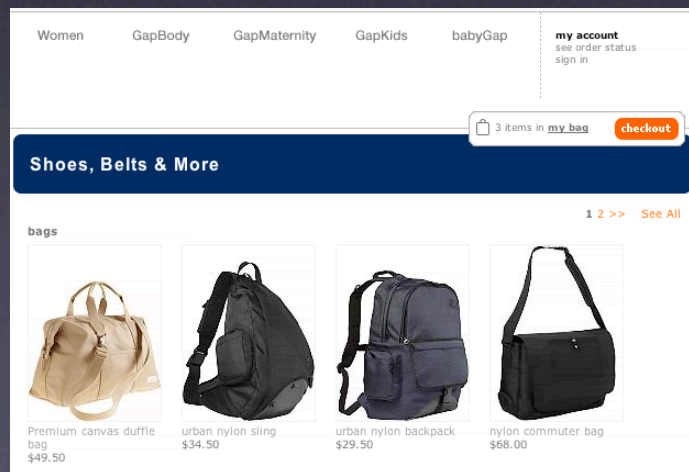
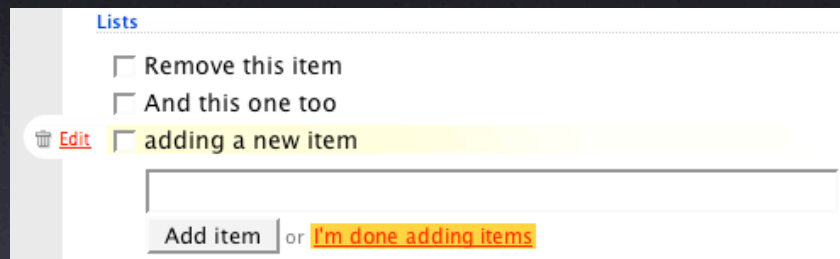
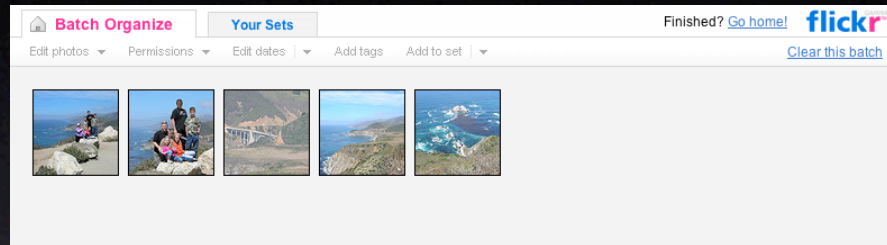


show transitions

Speak to the BRAIN

Understanding attention processing

Sending the wrong message



What you can communicate

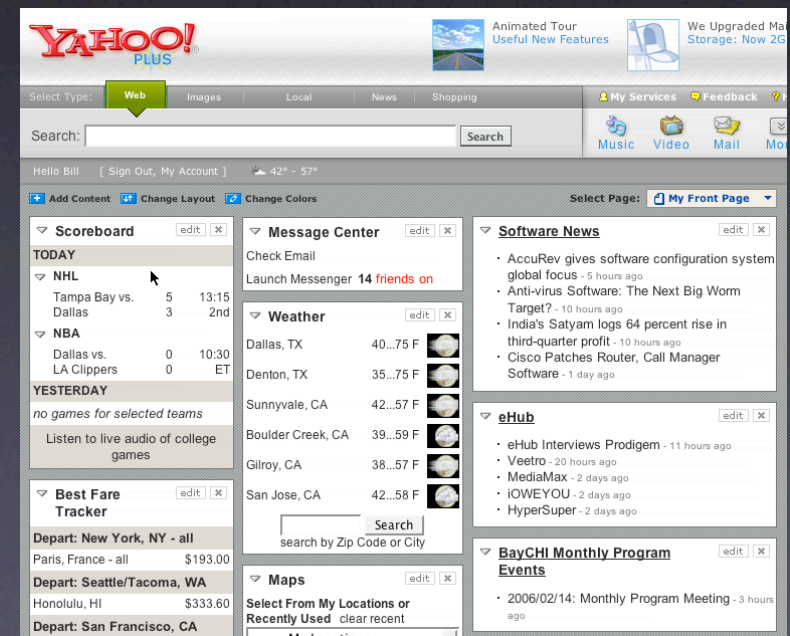
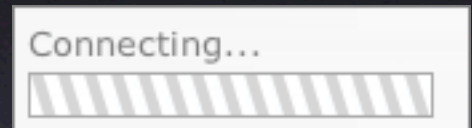
Speed up time

Slow down time

Show state change

Show relationships between objects

Focus attention



show transitions

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

The screenshot shows the Yahoo! Plus homepage with a complex, cluttered layout. The top navigation bar includes links for Web, Images, Local, News, and Shopping. Below this is a search bar and a weather widget. The main content area is divided into several sections: a Scoreboard, Message Center, Weather, Software News, Best Fare Tracker, and various news feeds. The layout is dense and cluttered, with many small elements and overlapping content. The page is dated Wednesday, August 2, 2006, at 02:19 pm.

Keep it sane

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



key principle

Feedback

*Provide invitations beforehand,
transitions during,
and feedback after interaction*

Interaction

Feedback

Info

information principles

principle. think in objects.

Schedule ViewMap ViewExpand all

+ AddHotels | 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: [Edit]

Tags: [Edit]

Dates: [Add]

Scheduled Items

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

Yosemite Lodge

Tunnel View

Bridalveil Falls Day Hike

pattern. Shareable Object.

The image is the classic Yahoo! logo, featuring a purple circle with a white 'Y' and an exclamation mark to its right.

think in objects

[Amsterdam Trip Plans on Yahoo! Travel](#)

[Yahoo! Shortcut](#) - [About](#)

[My Web Results for amsterdam trip \(49\)](#)

1. [Trip to Amsterdam - photos, history, maps - Virtual trip to Amsterdam](#)

Web trip to Amsterdam. Historical and sightseeing overview ... Trip to Amsterdam. To begin with Amsterdam we should first note, that this city has two features making ... One will never forget a Amsterdam trip around the city by river ...

[www.medievalamsterdam.com](#) - 9k - [Cached](#) - [More from this site](#) - [Save](#)

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

The screenshot displays the Yahoo! Travel Trip Planner interface. At the top, the 'YAHOO! TRAVEL' logo is visible, along with a welcome message for user 'b.scott' and links for 'Sign Out' and 'My Account'. Below the logo, the 'TRIP PLANNER' section includes buttons for 'Explore', 'Browse Trips', and 'Create a Trip', followed by a search bar. A banner for Flickr promotion is also present. The main area features a map of Amsterdam with a 'Map' button and a 'Find a location' search bar. Below the map, a photo gallery shows '338 of your photos :: 91 selected' with a 'SEARCH' button and 'More options'. The gallery includes a row of photo thumbnails and navigation controls. On the right side, there are links for 'Travel Home', 'My Travel', and 'Help', and a list of travel suggestions with photo counts and thumbs-up icons.



principle. tie information to interactivity.



pattern. Multivariate Views.

YAHOO! FINANCE

Enter symbol(s) [GET QUOTE](#)

COMPARE TO:

☐ **COMPETITORS**

- DELL INC (DELL)
- HEWLETT PA... (HPQ)
- MICROSOFT... (MSFT)

☐ **INDEXES**

- DOW JONES (^DJI)
- NASDAQ (^IXIC)
- S&P 500 (^GSPC)
- [+ MORE INDEXES](#)

☐ **RECENT**


[ADD SYMBOL\(S\)](#) [GO](#)

CHART TIPS
View Quote Data: The data row above the chart details quote info on the primary symbol you are plotting.

Farecast Beta Know When to Buy [Home](#) | [Sign Up for Email](#)

All Times (Listed) **Select Times** (Grid) [Learn more about List View](#)

Results for:
 Leave: **All Times**
 San Jose, CA (SJC)
 Fri, Oct 20 2006
 Return: **All Times**
 Dallas, TX (DFW)
 Sat, Oct 28 2006
 Adults: 1 [Change Search](#)

Fare Prediction
 **Lowest fares rising \$50+**
 on average within departure date
Confidence: 56%
Tip: Buy Now.

Fare History
 87-Day Low: \$189 Avg Low: \$356

 86 Days Ago Now

Refine Results [\[Reset \]](#)
 Showing 201 of 201 options

Price Range
 \$559 \$1393 \$1393

Stops

- ☒ 0 \$1228
- ☒ 1 \$559
- ☐ 2+ -

Airlines [Compare](#)

- ☒ Alaska \$731
- ☒ America West \$636
- ☒ American \$675
- ☒ Continental \$719
- ☒ Delta \$1183
- ☒ Frontier \$639

Price	Airline	Airport	Departs	Arrives	Stops
\$559* orbitz.com	Multiple Carriers flight details	SJC>DFW	7:15a	2:07p	1 4h 52m
\$559* orbitz.com	Multiple Carriers flight details	DFW>SJC	12:50p	4:40p	1 5h 50m
\$559* orbitz.com	Multiple Carriers flight details	SJC>DFW	7:15a	2:07p	1 4h 52m
\$559* orbitz.com	Multiple Carriers flight details	DFW>SJC	12:50p	4:40p	1 5h 50m
\$559* orbitz.com	Multiple Carriers flight details	SJC>DFW	7:15a	2:07p	1 4h 52m
\$559* orbitz.com	Multiple Carriers flight details	DFW>SJC	11:30a	4:40p	1 7h 10m
\$559* orbitz.com	Multiple Carriers flight details	SJC>DFW	7:15a	2:07p	1 4h 52m
\$559* orbitz.com	Multiple Carriers flight details	DFW>SJC	11:30a	4:40p	1 7h 10m
\$559* orbitz.com	Multiple Carriers flight details	SJC>DFW	7:15a	4:10p	1 6h 55m
\$559* orbitz.com	Multiple Carriers flight details	DFW>SJC	12:50p	4:40p	1 5h 50m
\$561* orbitz.com	Multiple Carriers flight details	SJC>DFW	12:29p	7:18p	1 4h 49m
\$561* orbitz.com	Multiple Carriers flight details	DFW>SJC	12:50p	4:40p	1 5h 50m
\$561* orbitz.com	Multiple Carriers flight details	SJC>DFW	12:29p	7:18p	1 4h 49m
\$561* orbitz.com	Multiple Carriers flight details	DFW>SJC	12:50p	4:40p	1 5h 50m
\$561* orbitz.com	Multiple Carriers flight details	SJC>DFW	6:15a	1:26p	1 5h 11m
\$561* orbitz.com	Multiple Carriers flight details	DFW>SJC	12:50p	4:40p	1 5h 50m

[Splits](#) [Dividends](#) [1 Day](#) [5 Days](#) [1 Month](#) [3 Months](#) [6 Months](#) [1 Year](#) [2 Years](#) [5 Years](#) [Max](#) Time Range ▲ Aug 9,2004 - Aug 4,2006

Planning Tools
[Flexible? Fares from \\$325](#)
[Track this trip with RSS](#)

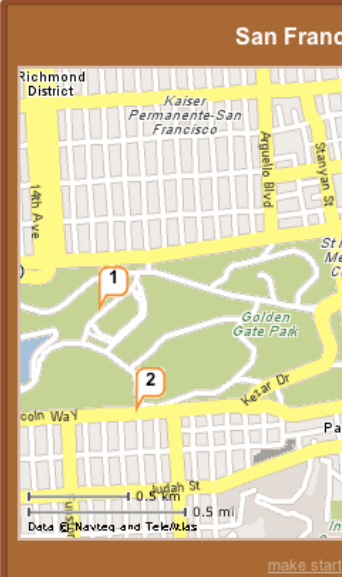
Sponsored Links
Dallas Hotels
[Dallas TX Hotel - Orbitz](#)
 Sort Dallas hotels by price, distance & star rating. Orbitz and Go.
[www.orbitz.com](#)
[Book Dallas Texas Hotels at CheapTickets](#)
 Save with CheapTickets® Best Price Guarantee on hotels - book now.
[www.cheaptickets.com](#)
[Dallas Inns](#)
 Let Inns.com help you find unique lodging in Dallas Texas. Book online with...
[www.inns.com](#)
[Dallas Accommodations](#)
 Enjoy Golf, Spas, Fine Dining & More - Minutes Away from Dallas.
[ad.doubleclick.net](#)

Sponsored Links
Activities in Dallas
[ORBITZ: Dallas Vacation](#)
 Over 500 vacation destinations to choose from. Book a trip to Dallas
[www.orbitz.com](#)

Think deeper interaction
 Multi-variate data



EVENTS BROWSER



San Francisco

Richmond District

Kaiser Permanente-San Francisco

Golden Gate Park

14th Ave

Golden Gate Blvd

Kew-Forest Dr

10 11 12 13 14 15 16

17 18 19 20 21 22 23

24 25 26 27 28 29 30

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

Zimbra

Search Search Builder

Quota: 134.3 KB of unlimited

Mail View

Folders

- Inbox (7)
- Sent (2)
- Drafts
- Junk (1)
- Trash
- Open Source
- Stash (2)

Searches

- Follow up
- From External Domain
- Unread
- With attachments

Tags

- Customers (1)
- Industry News (2)
- Zimbra (10)

Zimlets

- Search

Skype Me and Map My Location Close

From Fred Friend Folder Inbox Size 490 B Received 6:50 PM

Fragment Hey - when you get a moment call me at (415) 555-1212. You can click the number to call add me to your Contacts directly from here.

Subject: Skype Me and Map My Location

▼ Sent by: Fred Friend <ffriend@lkjhgf.com> On: Sun Oct 15 18:50:40 2006
To: Dan Demouser

Hey - when you get a moment call me at (415) 555-1212. You can click the number to call add me to your Contacts directly from here.

If you want to see a map of my location, mouse over the address below:

1101 Park Pl San Mateo CA 94403

Let's try to catch up today.

Fred

October 2006

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	1	2	3	4
5	6	7	8	9	10	11

7:24 PM




Think deeper interaction

Multi-variate data

Interesting relationships



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

Think deeper interaction

Multi-variate data

Interesting relationships

Just-in-time information



key principle

Info

*Think in objects,
tie information to interactivity*



key principles for richness

Interaction

Prefer direct, lightweight, in-page interaction.

Feedback

Provide invitations beforehand, transitions during, and feedback after interaction.

Info

*Think in object,
tie information to interactivity*

pattern library.
yahoo! blog.
my blog.
this presentation.

developer.yahoo.com/ypatterns
yuiblog.com
looksgoodworkswell.com
billwscott.com/share/presentations/aeboston/

The screenshot shows the Yahoo! User Interface Blog homepage. At the top, there's a header with the title "YAHOO! USER INTERFACE BLOG" and a subtitle "News and Articles about Designing and Developing with Yahoo! Libraries." Below the header, there's a navigation bar with "Blog" and "About" links, and a search box labeled "search in blog...". The main content area features a post titled "Yahoo! Design Pattern Library Released" dated February 13, 2006, by Bill Scott. The post text says: "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." Below the post, there's a "SYNDICATE" section with links to "All Entries" and "All Comments" via "MY YAHOO!" and "RSS" feeds. A "RECENT POSTS" section lists several articles, including "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", and "Rating an Object Pattern". A "Background on Patterns" link is also present.

The screenshot shows the Yahoo! Developer Network Design Pattern Library homepage. At the top, there's a header with the title "YAHOO! DEVELOPER NETWORK" and a subtitle "Design Pattern Library". Below the header, there's a navigation bar with "Yahoo! Developer Network" and "Design Pattern Library" links. The main content area is divided into several sections. On the left, there's a "USER NEEDS TO" sidebar with a "NAVIGATE" section containing links like "Breadcrumbs", "Faceted Navigation", "Fly-out Menus", "Horizontal Bar", "Hub and Spoke", "Left Navigation", "Tabs", "Module Tabs", and "Navigation Tabs". Below this is an "EXPLORE DATA" section with links like "Auto Complete", "Calendar Picker", "Pagination", "Item Pagination", and "Search Pagination". Further down is an "ORGANIZE DATA" section with links like "Ratings & Reviews", "Architecture Review", "Rating an Object", and "Writing a Review". Below that is a "GIVE FEEDBACK" section with links like "Ratings & Reviews", "Architecture Review", "Rating an Object", and "Writing a Review". Below that is a "PERFORMANCE ACTION" section with links like "Drag and Drop", "Drag and Drop Modules", "Drag and Drop Objects", "In Page Editing", and "Sliders". Below that is a "CUSTOMIZE" section with links like "Drag and Drop", "Drag and Drop Modules", "Drag and Drop Objects", "In Page Editing", and "Sliders". Below that is an "APPLICATION NEEDS TO" section with links like "CALL ATTENTION", "IMPROVE READABILITY", "Ratings & Reviews", "Review Architecture", "GROUP RELATED ITEMS", and "ORGANIZE SCREEN/PAGE". On the right, there's a "Welcome" section with a paragraph about the library and a "What's a Pattern?" section with a paragraph about patterns. Below these are several "Recent Patterns" sections, each with a thumbnail image and a brief description: "Auto-Complete", "Breadcrumbs", "Drag and Drop Modules", "Module Tabs", "Navigation Tabs", "Object Pagination", "Results Page", "Rating an Object", and "Writing a Review".

