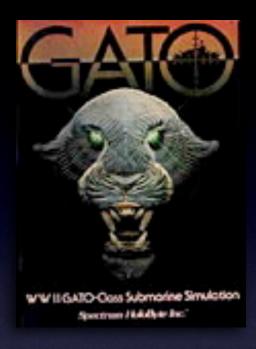
Designing Web Interfaces

Principles & Patterns for Rich Interaction

Bill Scott Director, UI Engineering



background



YAHOO! DEVELOPER NETWORK

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?



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

AP Reuters | AFP | USATOE - Cargo Ship Blocks Su

International Observers

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

CALL ATTENTION IMPROVE READABILITY

Developer Network Home Help

NAVIGATE

Breadcrumb

▶ Faceted Navigation

Fly-out Menus

Horizontal Bar

Hub and Spoke

Left Navigation

Module Tabs

EXPLORE DATA

- Pagination

ORGANIZE DATA

GIVE FEEDBACK

- Ratings & Reviews

PERFORM ACTION

→ Drag and Drop

▶ In Page Editing

Sliders

CUSTOMIZE

Auto Complete

Calendar Picker

Item Pagination

Search Pagination

Architecture Review

Writing a Review

Drag and Drop

Drag and Drop Objects

Navigation Tabs

- Tabs

- Ratings & Reviews

GROUP RELATED ITEMS

ORGANIZE SCREEN/PAGE

NEW! LiveGrid Behavior!

Check out the Alternative to Paging!

The same

A pattern describes an optimal solution to a common problem within a specific context. more...

Recent Patterns



User needs to navigate The user needs needs to potentially large quantities of re-arrange the layout of information efficiently, modules on a web page without becoming lost. directly with the mouse



Navigation Tabs

content and features and have clear indication of their not be easy to display within current location in the site. a single page.



Rating an Object The user needs to view a set A user wants to quickly

of search results ranked by leave their opinion on an relevance that is too large to object, with minimal easily display within a single interruption to any other task in greater detail than a page. in the flow they are involved in. in greater detail than a simple rating.

The user needs to view data items from a potentially large set of sorted data that will

Thursday, Februar



User wants to share her opinion with others about an object (place, person, thing)



JavaScript for Rich Internet Applications

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 <u>prototype.js</u> effort from the Ruby on Rails folks.

OPEN SOURCE

Rico is provide free and open-source (Abache 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

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

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

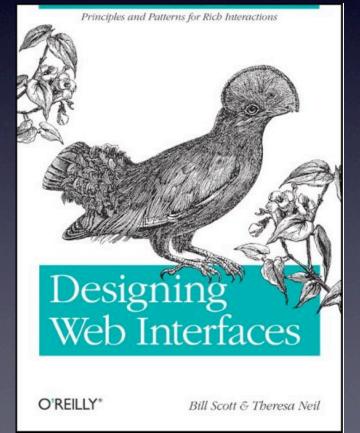
CINEMATIC EFFECTS

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 artansitions 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.

Take some raw HTML and sprinkle in some behaviors and what do you get? Well in Rico you can get an <u>Accordion</u> component like those found in Macromedia Flex and Laszio. 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







Newton's Third Law of Motion

For every action, there is an equal and opposite reaction

interesting moments abound to engage the user it's the nuance stupid make "less" become "more"

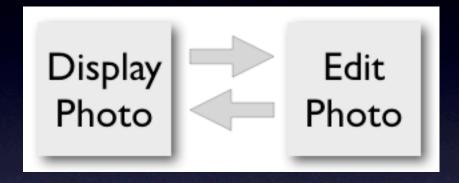


6 principles for Designing Web Interfaces

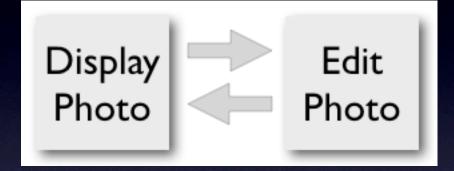
- 1. make it direct
- 2. keep it lightweight
- 3. stay on the page
- 4. provide invitations
- 5. use transitions
- 6. react immediately

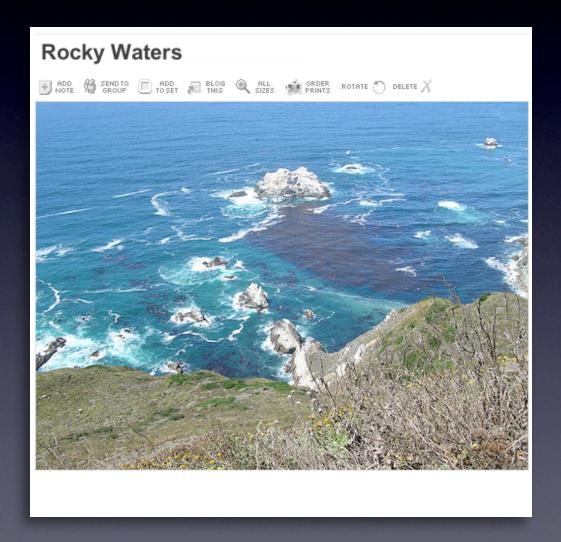
make it direct

Allow input wherever you have output Shorten the length of interaction Make objects directly actionable Allow input wherever you have output Shorten the length of interaction Make objects directly actionable



Allow input wherever you have output Shorten the length of interaction Make objects directly actionable





inline editing

My Saved Pages > ypatternexample Items 1 - 4 of about 4

coming_soon.mov (video/quicktime Object)

Shared by: Me - Details - Edit

Tags: comment, digg, incontextexpandpatte..., inlinepageeditpatter..., ratinganobjectpatter..., more...

Access: Everyone

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

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

Yahoo! Groups: scotts-pub Post Message

Saved by: Me - <u>Details</u> - <u>Edit</u> Note: **rich text editor for blogs**

Tags: code, inline edit, internalyahoo, patterns, ypatternexample, more...

Access: Just me

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

Sort by: Date Saved | Title | URL

Shared at 4:49 PM PST Email - IM - Delete

Shared at 4:49 PM PST

Email - IM - Delete

Saved on February 16, 2006

Email - IM - Delete

discoverability

invitations

discoverability invitations



What are you doing right now?

facebook. prompt-based invitation

discoverability invitations

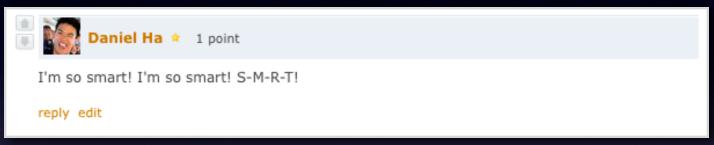


facebook. prompt-based invitation

discoverability invitations



facebook. prompt-based invitation

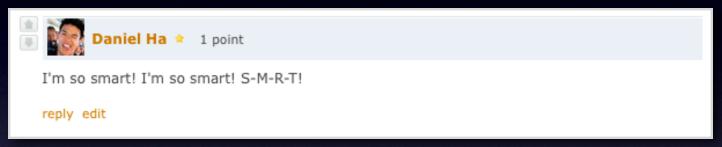


disqus. explicit "edit" invitation

discoverability invitations



facebook. prompt-based invitation



disqus. explicit "edit" invitation

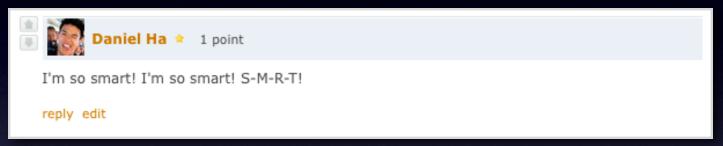


Y!photo. implicit

discoverability invitations



facebook. prompt-based invitation



disqus. explicit "edit" invitation

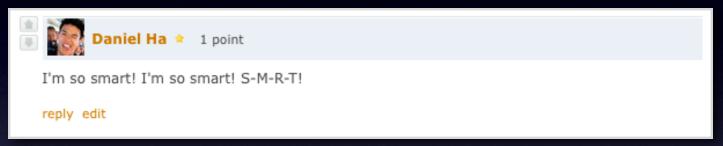


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discoverability invitations



facebook. prompt-based invitation



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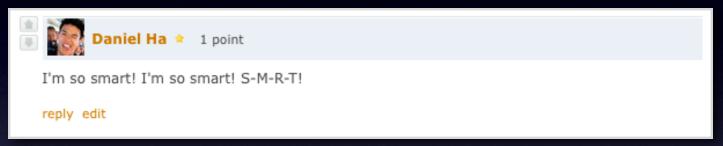


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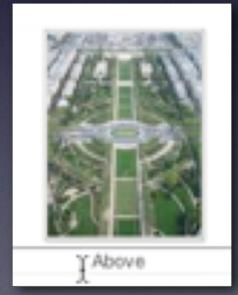
discoverability invitations



facebook. prompt-based invitation



disqus. explicit "edit" invitation

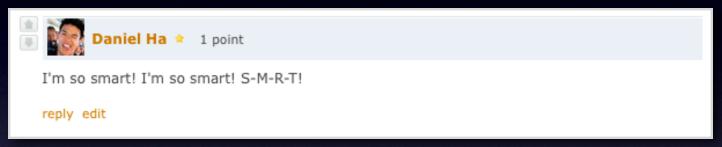


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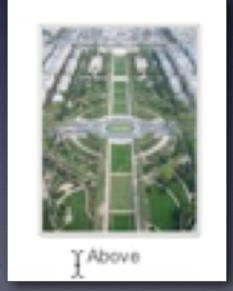
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facebook. prompt-based invitation



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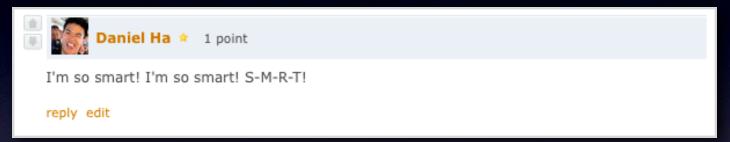


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discoverability invitations



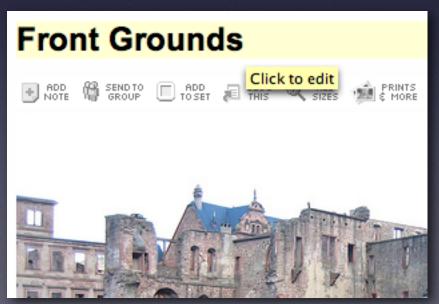
facebook. prompt-based invitation



disqus. explicit "edit" invitation



Y!photo. implicit



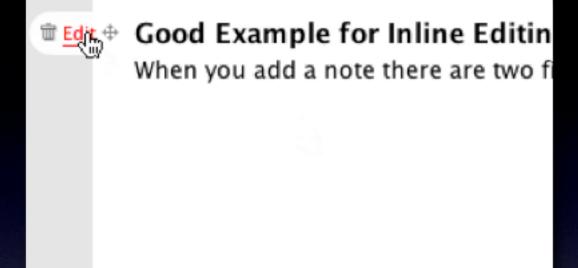
flickr. on hover

considerations

complex editing blending modes

considerations

complex editing blending modes

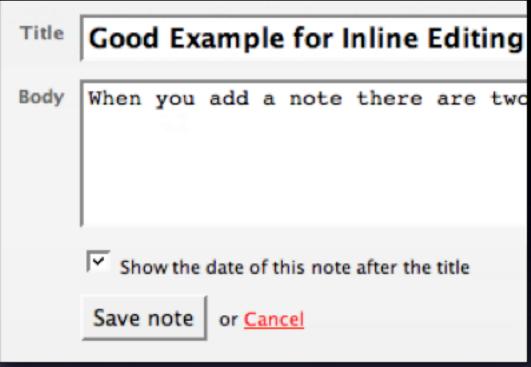


considerations

complex editing blending modes



considerations complex editing blending modes



considerations

complex editing blending modes

Good Example for Inline Editing

When you add a note there are two fiel This would also work well for more cor such as pick a date range or and advan

considerations

complex editing blending modes

Good Example for Inline Editing

When you add a note there are two fiel This would also work well for more cor such as pick a date range or and advan

backpackit. complex inline editing

CC A kiss is a lovely trick designed by nature to stop speech when words become superfluous.



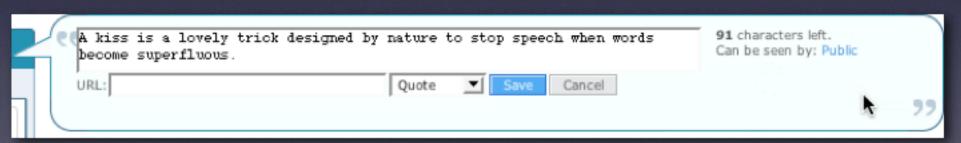
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complex editing blending modes

Good Example for Inline Editing

When you add a note there are two fiel This would also work well for more cor such as pick a date range or and advan

backpackit. complex inline editing



Yahoo! 360 blast. blending display & edit modes

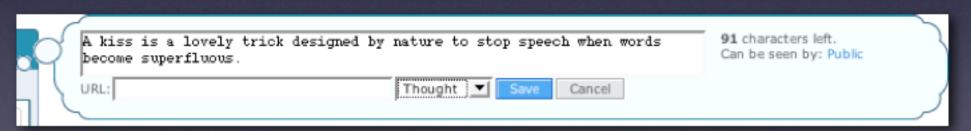
considerations

complex editing blending modes

Good Example for Inline Editing

When you add a note there are two fiel This would also work well for more cor such as pick a date range or and advan

backpackit. complex inline editing



Yahoo! 360 blast. blending display & edit modes

accessibility

accessibility

Additional Information

- © All rights reserved (edit)
- Place this photo on a map
- Taken with a Canon PowerShot SD450.
 More properties
- Taken on November 5, 2007 (edit)
- See different sizes
- Photo stats
- Viewed 7 times (Not including you)
- Edit title, description, and tags
- Remace this photo

flickr. alternate edit path

accessibility

Edit your photo		
	Title Front Grounds χ Description	
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flickr. alternate edit path

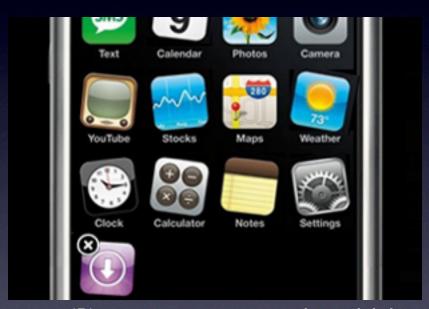
group editing

group editing



iPhone. non-symmetrical; readability

group editing



iPhone. non-symmetrical; readability

group editing

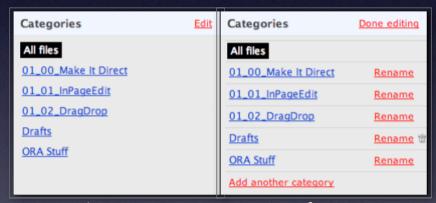


iPhone. non-symmetrical; readability

group editing



iPhone. non-symmetrical; readability

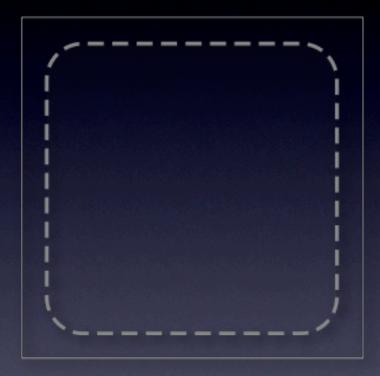


basecamp. symmetry of interaction

group editing



iPhone. non-symmetrical; readability



basecamp. symmetry of interaction

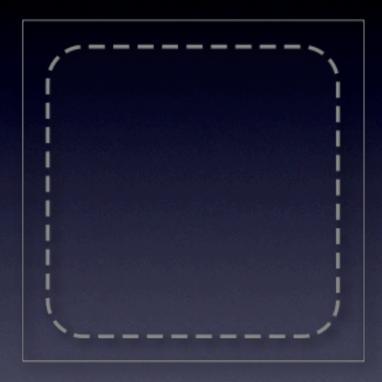
make it direct. inline editing

group editing

symmetry of interaction discoverability vs readability



iPhone. non-symmetrical; readability



basecamp. symmetry of interaction

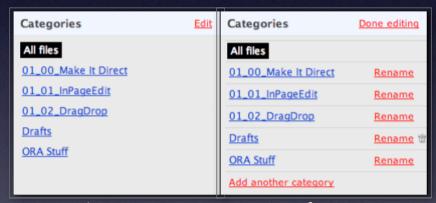
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iPhone. non-symmetrical; readability



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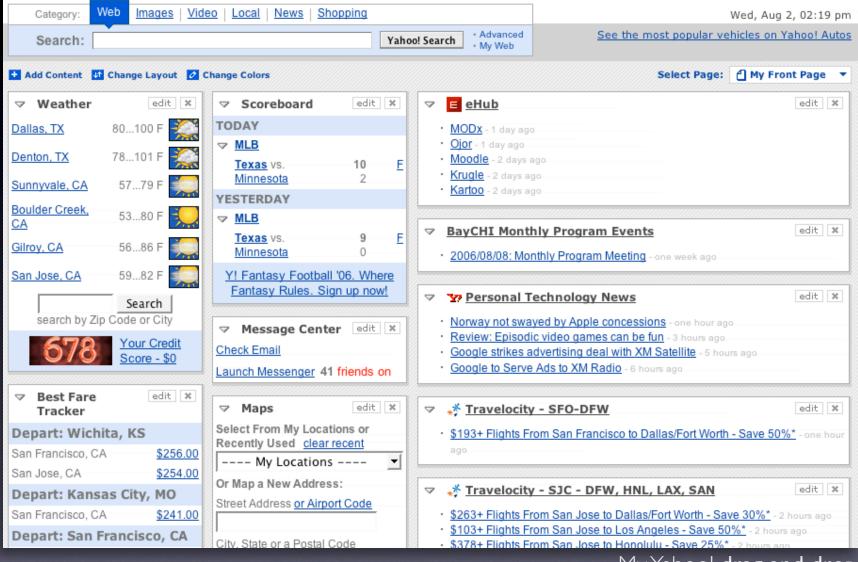
iPhone. non-symmetrical; readability



basecamp. symmetry of interaction

"If readability is more important than editing then keep the editing action hidden until the user interacts with the content."

drag and drop



My Yahoo! drag and drop

Take care of the interesting moments

Gmail Inbox (11) Hide preview	edit 🗆 🕱
eBay Member:, Mail Delivery (2) - Ques eBay Member:, Mail Delivery (2) - Ques dev-reject-11641931., Mail Delivery (2) -	Dec 11 Dec 3 Nov 22
dev-reject-11639872., Mail Delivery (2) - dev-reject-11626813., Mail Delivery (2) -	Nov 19 Nov 4
Movies Showtimes for 76208 »	edit 🖃 🕱
Charlotte's Web 1hr 53min - Rated G ★★★☆☆ 6 reviews	
The Pursuit of Happyness 1hr 56min - Rate ★★★★☆ 8 reviews	ed PG-13
The Holiday 2hr 16min - Rated PG-13 ★★★☆☆ 19 reviews	
Wired News: Top Stories She's Such a Geek! First Look: Photoshop CS3 Beta	edit 🖃 🕱
Start the Riot With The Ravezooka	

N.			
Stock Market			edit ⊡ X
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<u>DJIA</u>	12445.52	+28.76	(0.23%)
NASDAQ	2457.20	+3.35	(0.14%)
<u>NYSE</u>	9140.39	-6.81	(-0.07%)
S&P 500	1427.09	+1.60	(0.11%)
Delayed at least 1 indicated. Disclain		ss otherw	ise

NYT > Home Page

edit 🗆 🔀

Global Warming Poses Threat to Ski Resorts in the Alps

Governor Mum on Replacement Talk

Options Sought for Surge in US Troops to Stabilize Iraq

Take care of the interesting moments

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eBay Member :, Ma					Drag Hovers over	Drop
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Charlotte's Web 1hr						removed.
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The Holiday 2hr 16m	Original			dashed outline.		
★★★☆☆ 19 reviews	Location					
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Wired News: Top	Target				dashed outline) is moved to the new	placed in the
She's Such a Geek!					drop spot. Other	new location.
First Look: Photosho					modules shift to close	
Start the Riot With T					prior hole.	
	Notes		* A better approach	h is * Drag initiaties	* Triggers when the	
			to switch to a hand	instantly on	mid-point of the	
			that looks like it grabbed the module	mouse down. e.	dragged object enters a valid drop target.	

make it direct. drag and drop

discoverability

hover invitation interesting moments activation on mouse down tip during alternate path additional visual affordances



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Earthquakes

ither Olcanoes

Volcanic Hazards

Types
Lava
Zones

About HVO

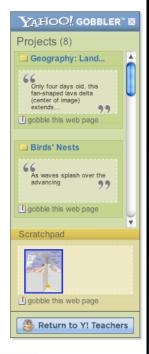
Volcanic Hazard

When Lava Enters the Sea: Growth & Collapse of Lava Deltas



Photograph by C. Heliker on November 12, 1992.

Only four days old, this fan-shaped lava delta (center of image) extends about 200 m into the ocean on the southeast coast of Kilauea Volcano, Hawai'i. The diffuse plume of white steam at the leading edge of the delta indicates that several small lava flows are pouring into the ocean. Countless deltas have formed



make it direct. drag and drop

discoverability

hover invitation interesting moments activation on mouse down tip during alternate path additional visual affordances



make it direct. drag and drop

discoverability

hover invitation interesting moments activation on mouse down tip during alternate path additional visual affordances

yahoo! teachers. hints during interesting moments

DVD Queue (257) See Queue tips Update DVD Queue					Queue		
List Order Movie Title Instant Star Rating Genre				Expected Availability	Remove		
1		Saints and Soldiers		☆☆☆☆ ☆	<u>Drama</u>	Now	
2	ТОР	Battlestar Galactica: Season 1: Disc 2		Series	<u>Television</u>	Now	
3	ТОР	Battlestar Galactica: Season 1: Disc 3		Series	<u>Television</u>	Now	
4	ТОР	Battlestar Galactica: Season 1: Disc 4		Series	Television	Now	
5	ТОР	Battlestar Galactica: Season 1: Disc 5		Series	<u>Television</u>	Now	

make it direct. drag and drop

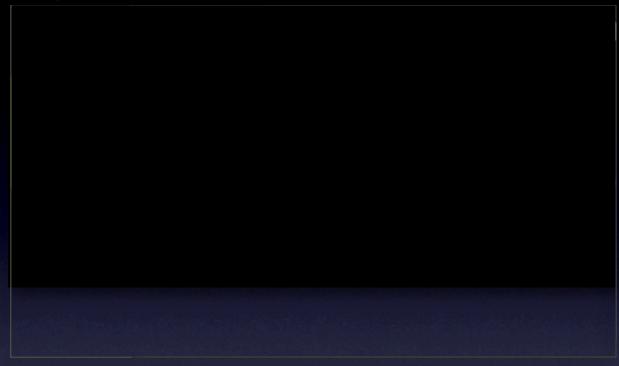
drag and drop

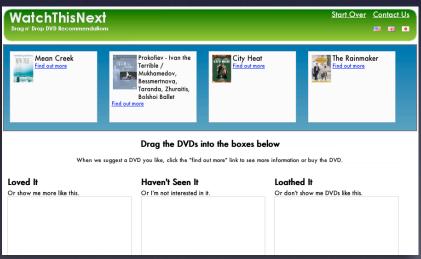


drag and drop

make it direct. drag and drop

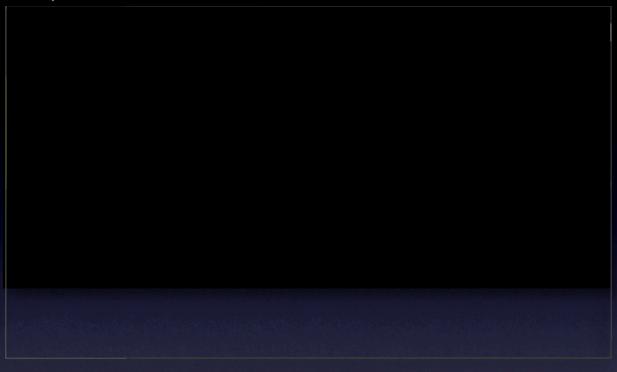
anti-pattern. artificial construct

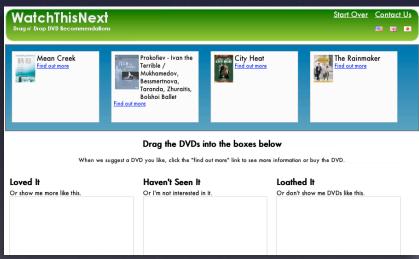




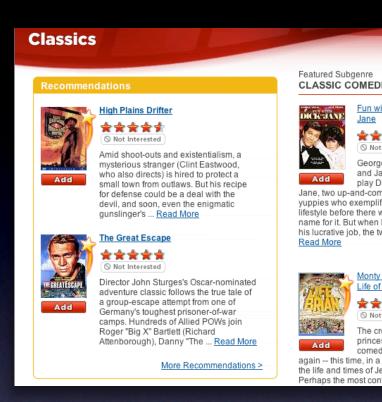
drag and drop

anti-pattern. artificial construct





make it direct. drag and drop



Jane

and Ja

play D

Life of

princes

drag and drop

keep it lightweight

digg. in page action



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 commone for close to a year now, I have found that the us Scroll Ball far outweigh its quirks.

(apple 60 comments | blog this | email this | category: apple

digg. in page action



Key to digg's early success - Kevin Rose

digg. in page action





the gap. remembered collections

digg. in page action

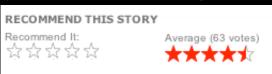
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the gap. remembered collections

y! news, netflix. rating an object



digg. in page action

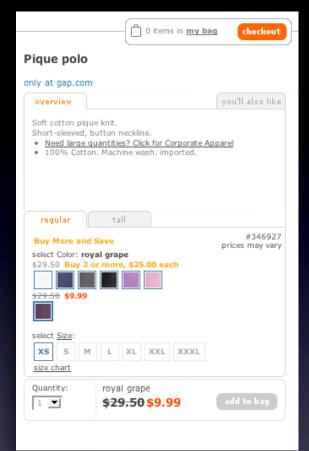
282 diggs

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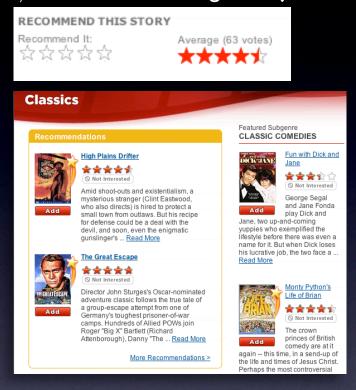
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the gap. remembered collections

y! news, netflix. rating an object



digg. in page action

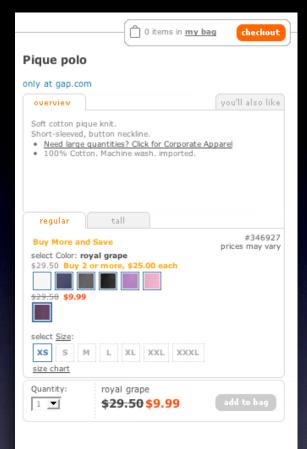
282 digg it

Fixing the Mighty Mouse

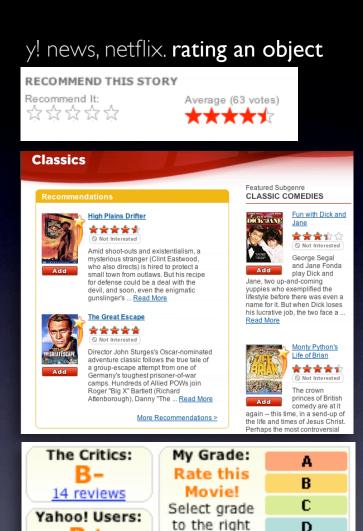
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60 comments | blog this | email this | category: apple



the gap. remembered collections



write a review

13199 ratings

D

digg. in page action

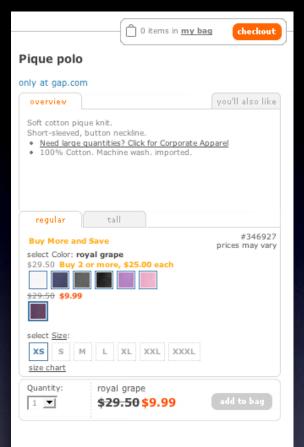
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282	Fixing the Mighty
diggs	submitted by usedr
dian it	The Apple Mighty Mo

xing the Mighty Mouse

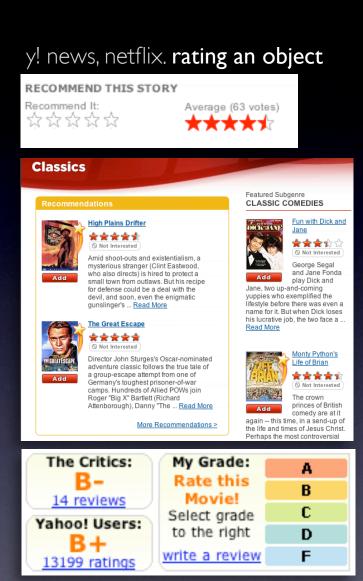
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The Apple Mighty Mouse brings a slew of great feat with most new Mac systems it is becoming a commone for close to a year now, I have found that the us Scroll Ball far outweigh its quirks.

(apple 60 comments | blog this | email this | category: apple



the gap. remembered collections



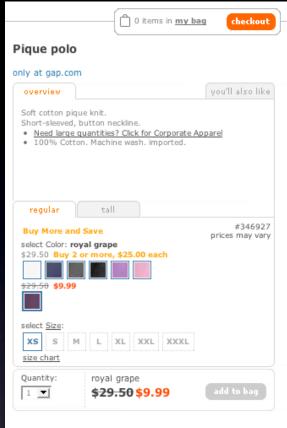
y! movies, y! answers. rating an object

Answer hidden due to its low rating Show

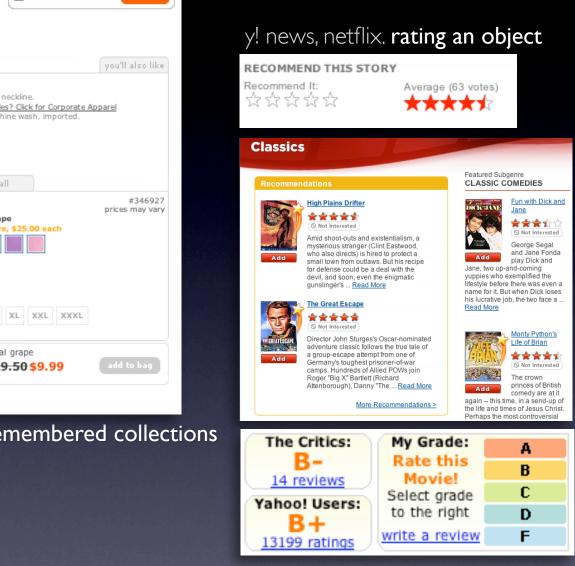
Total rating: -16

digg. in page action





the gap. remembered collections



lantzilla pro says: ..with biscuits and gravy and all the fixins... Posted 16 hours ago. (permalink) Add your comment Some HTML is OK.)

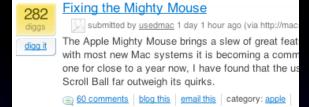
flickr. in-context tools

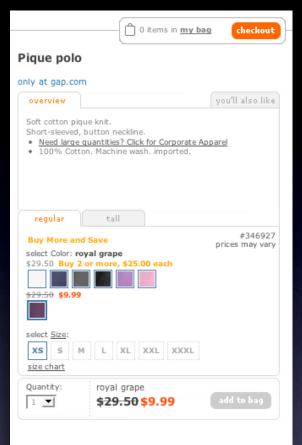
y! movies, y! answers. rating an object

Answer hidden due to its low rating Show

Total rating: -16

digg. in page action





the gap. remembered collections



y! news, netflix. rating an object RECOMMEND THIS STORY Recommend It: Average (63 votes) **Classics** Featured Subgenre CLASSIC COMEDIES Fun with Dick and *** Not Interested Amid shoot-outs and existentialism, a George Segal mysterious stranger (Clint Eastwood, and Jane Fonda who also directs) is hired to protect a play Dick and small town from outlaws. But his recipe Jane, two up-and-coming for defense could be a deal with the yuppies who exemplified the devil, and soon, even the enigmatic lifestyle before there was even a gunslinger's ... Read More name for it. But when Dick loses his lucrative job, the two face a . The Great Escape Read More **** Monty Python's Director John Sturges's Oscar-nominated Life of Brian adventure classic follows the true tale of a group-escape attempt from one of **** Germany's toughest prisoner-of-war Not Interested camps. Hundreds of Allied POWs join



More Recommendations >

Roger "Big X" Bartlett (Richard

Attenborough), Danny "The ... Read More

The crown

the life and times of Jesus Christ.

princes of British

comedy are at it again -- this time, in a send-up of

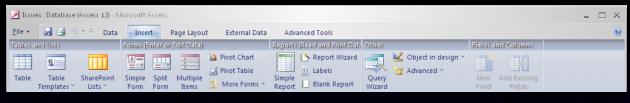
Answer hidden due to its low rating Show

Total rating: -16 32 48 Q

y! movies, y! answers. rating an object

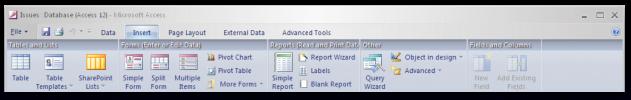
Same as context menus
Only good for single objects
Can actually slow you down

Same as context menus Only good for single objects Can actually slow you down





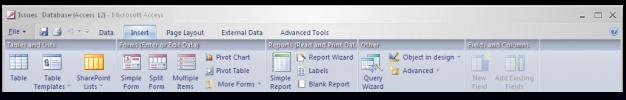
Same as context menus
Only good for single objects
Can actually slow you down





Complete: Internet Strategy Group Talk - Webcast - Sep. 14 (Th) Edit + Set up webex meeting Try for webex; set up webex experiement Add an item

Same as context menus
Only good for single objects
Can actually slow you down





	(Complete: Internet Strategy Group Talk - Webcast - Sep. 14 (Th)
Ed	dit ⊕	St up webex meeting
		Try for webex; set up webex experiement
		Add an item



Same as context menus Only good for single objects Can actually slow you down





	Complete: Internet Strategy Group Talk - Webc	ast - Sep. 14 (Th)
⊞ <u>Ed</u>	dit 🕀 🔲 Sết up webex meeting	
	☐ Try for webex; set up webex experiement	
	Add an Item	

	lantzilla pro says:
32	with biscuits and gravy and all the fixins Posted 16 hours ago. (permalink)
	r osted to flodi's ago. (porfilamin)
Add you	ur comment
Add you	ur comment
(Some HTM	L is OK.)

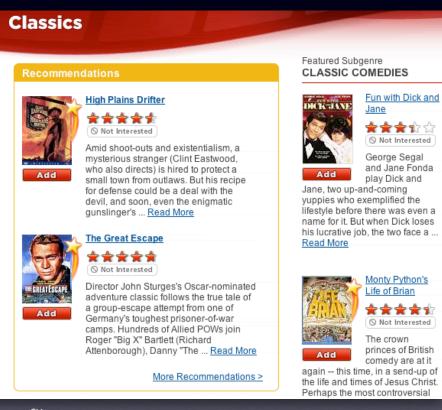
Pick Up at the Store
☐ Orange Juice
☐ Tomatoes
☐ Lettuce
☐ Bread
Chips Add Item
Make a new list Reorder lists
Remove from sidebar, Delete this page, Email me this page
Send email to this page: miles12betty@billwscott.backpackit.co
Changes Help Text Formatting Weblog Forum Privacy

Remove the "pain points"

Shorten the path Keep actions immediate and light Use hover, blur, focus; avoid heavy events

Remove the "pain points"

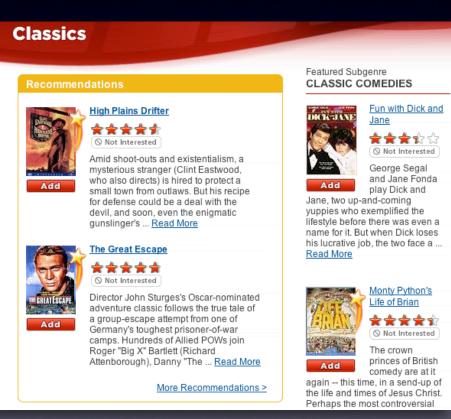
Shorten the path Keep actions immediate and light Use hover, blur, focus; avoid heavy events

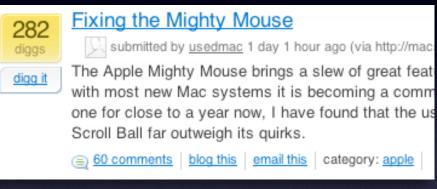


netflix. ratings

Remove the "pain points"

Shorten the path Keep actions immediate and light Use hover, blur, focus; avoid heavy events





digg. vote

click-weight

seek time
decision time
second guessing
wait time
interaction steps
cost/benefit tradeoff

netflix. ratings

keep it lightweight. anti-patterns



National Mapping - F... http://www.ga.gov.au...



http://www.ga.gov.au...

Copy of Gobble Image...

http://beta.teachers...

National Mapping - F... http://www.ga.gov.au..



http://volcano.und.e...



National Mapping - F...

http://www.ga.gov.au...

Hawai'i Volcanoe... http://www.nps.gov/a...

National Mapping - F...

http://www.ga.gov.au...



Copy of Plateau - Wi... National Mapping - F... http://www.ga.gov.au... http://en.wikipedia....





Copy of Gobble Image... http://beta.teachers...





Copy of Alaska Volca... http://www.avo.alask...

Copy of Gobble Image...

http://beta.teachers...



keep it lightweight. anti-patterns



National Mapping - F... http://www.ga.gov.au...



National Mapping - F... http://www.ga.gov.au...



Volcano World - The ... http://volcano.und.e...



National Mapping - F...

http://www.ga.gov.au...

Hawai'i Volcanoe... http://www.nps.gov/a...

National Mapping - F...

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National Mapping - F... http://www.ga.gov.au...



Copy of Plateau - Wi... http://en.wikipedia....



Copy of Gobble Image... http://beta.teachers...



Copy of Gobble Image... http://beta.teachers...



Copy of Gobble Image... http://beta.teachers...



Copy of Alaska Volca... http://www.avo.alask...



National Mapping - F... http://www.ga.gov.au..

y! teachers. anti-pattern. hover & cover



keep it lightweight. anti-patterns



National Mapping - F... http://www.ga.gov.au...



National Mapping - F... http://www.ga.gov.au...



National Mapping - F... http://www.ga.gov.au...



Copy of Gobble Image... http://beta.teachers...



National Mapping - F... http://www.ga.gov.au..



National Mapping - F... http://www.ga.gov.au...



Volcano World - The ... http://volcano.und.e...



Hawai'i Volcanoe... http://www.nps.gov/a...

National Mapping - F...

http://www.ga.gov.au...



Copy of Plateau - Wi... http://en.wikipedia....



Copy of Gobble Image... http://beta.teachers...

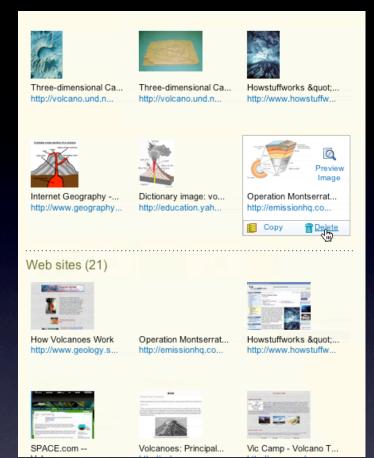


Copy of Alaska Volca... http://www.avo.alask...

y! teachers. anti-pattern. hover & cover



keep it lightweight. anti-patterns



y! teachers. anti-pattern. hover & cover. resolved



National Mapping - F... http://www.ga.gov.au...



National Mapping - F... http://www.ga.gov.au...



National Mapping - F... http://www.ga.gov.au...



Copy of Gobble Image... http://beta.teachers...



National Mapping - F... http://www.ga.gov.au..



National Mapping - F... http://www.ga.gov.au...



Volcano World - The ... http://volcano.und.e...



Hawai'i Volcanoe... http://www.nps.gov/a...

National Mapping - F...

http://www.ga.gov.au...



Copy of Plateau - Wi... http://en.wikipedia....



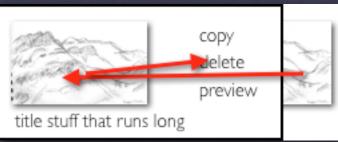


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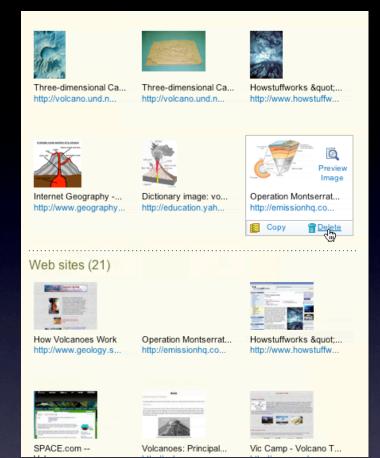


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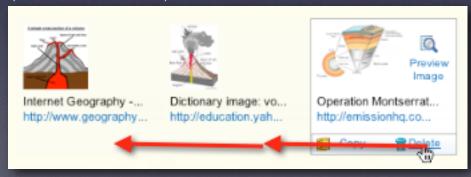
y! teachers. anti-pattern. hover & cover

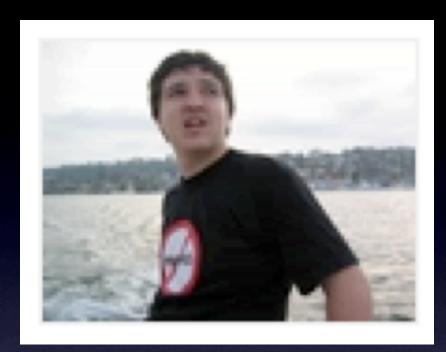


keep it lightweight. anti-patterns

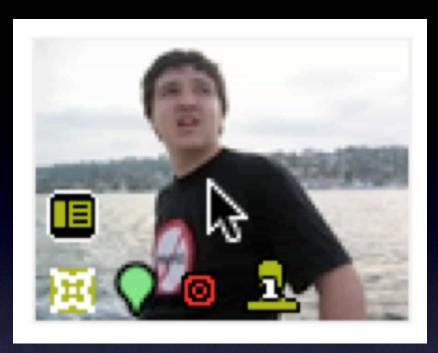


y! teachers. anti-pattern. hover & cover. resolved

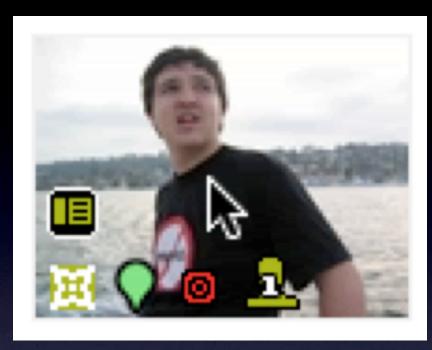




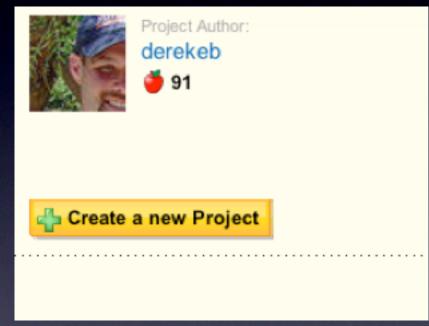
zooomr. anti-pattern. mystery meat



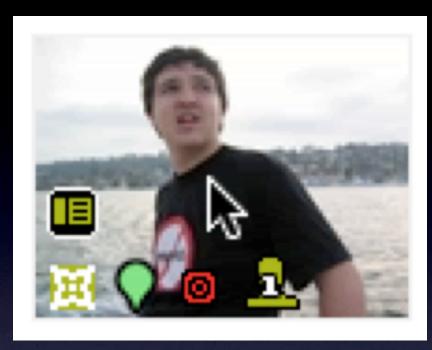
zooomr. anti-pattern. mystery meat



zooomr. anti-pattern. mystery meat



y! teachers. anti-pattern. tiny targets

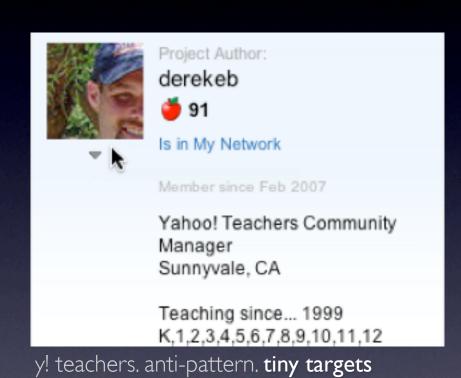


zooomr. anti-pattern. mystery meat



y! teachers. anti-pattern. tiny targets

zooomr. anti-pattern. mystery meat



stay on the page

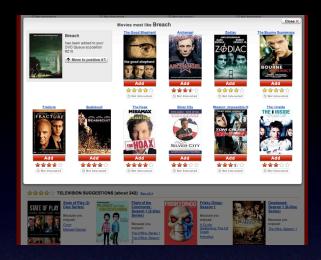
stay on the page. overlay

overlays

dialog overlay detail overlay input overlay

considerations

lightbox effect modality activation





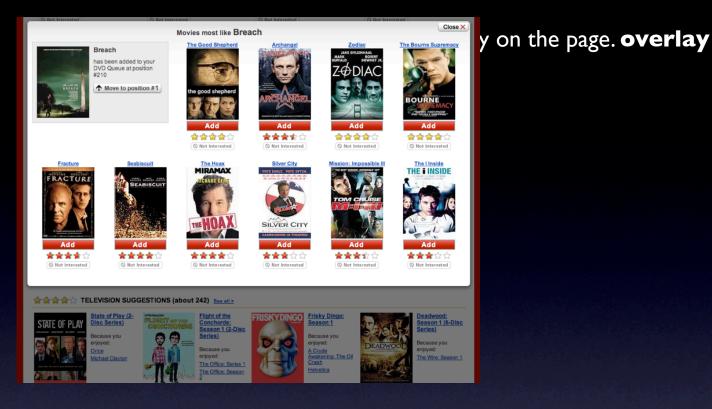


overlays

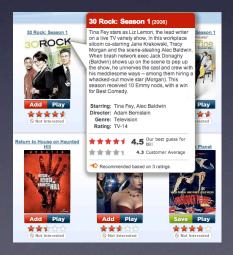
dialog overlay detail overlay input overlay

considerations

lightbox effect modality activation







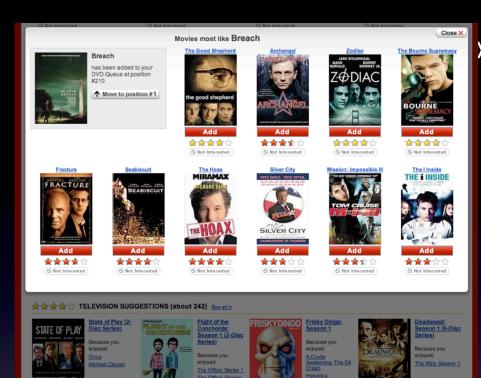
overlays

dialog overlay detail overlay input overlay

considerations

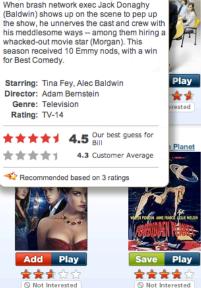
lightbox effect modality activation





y on the page. **overlay**





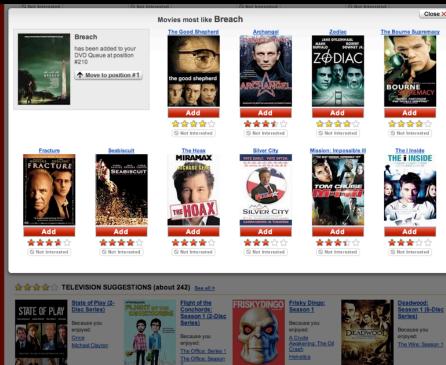
30 Rock: Season 1 (2006)

overlays

dialog overlay detail overlay input overlay

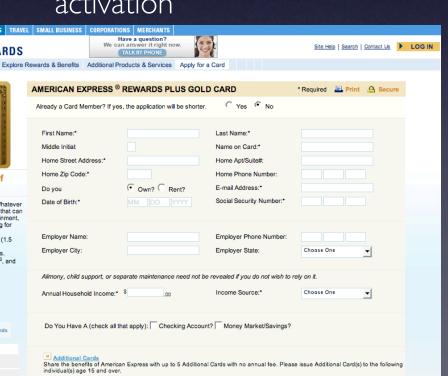
considerations

lightbox effect modality activation

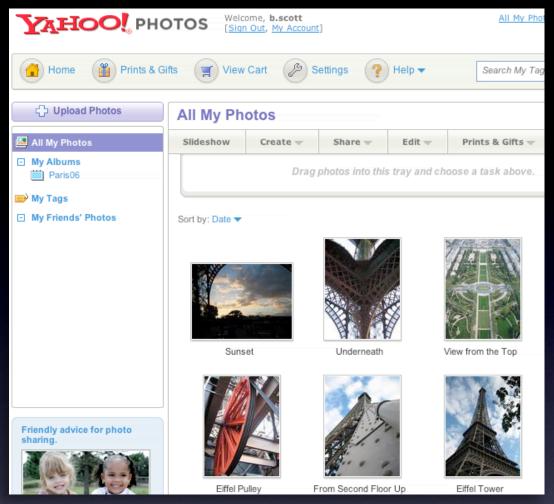


30 Rock: Season 1 (2006) 30 Rock: Season 1 Tina Fey stars as Liz Lemon, the lead writer on a live TV variety show, in this workplace ROCK sitcom co-starring Jane Krakowski, Tracy Morgan and the scene-stealing Alec Baldwin. When brash network exec Jack Donaghy (Baldwin) shows up on the scene to pep up the show, he unnerves the cast and crew with his meddlesome ways - among them hiring a whacked-out movie star (Morgan). This season received 10 Emmy nods, with a win for Best Comedy. Play Starring: Tina Fey, Alec Baldwin Director: Adam Bernstein Genre: Television Rating: TV-14 4.5 Our best guess for Return to House on Haunted 4.3 Customer Average Necommended based on 3 ratings

y on the page. **overlay**

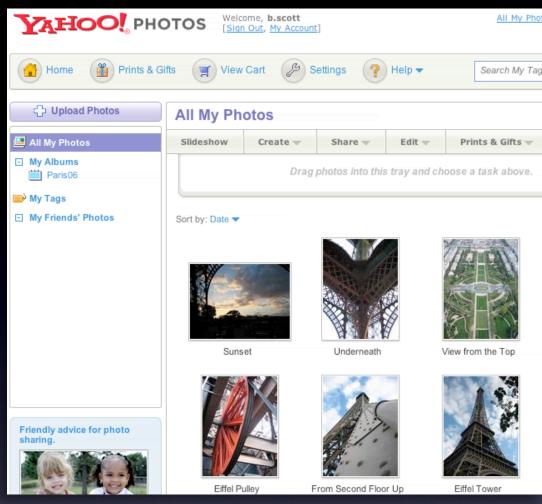


stay on the page. **overlay**



anti-pattern. y! photos. idiot boxes

stay on the page. overlay

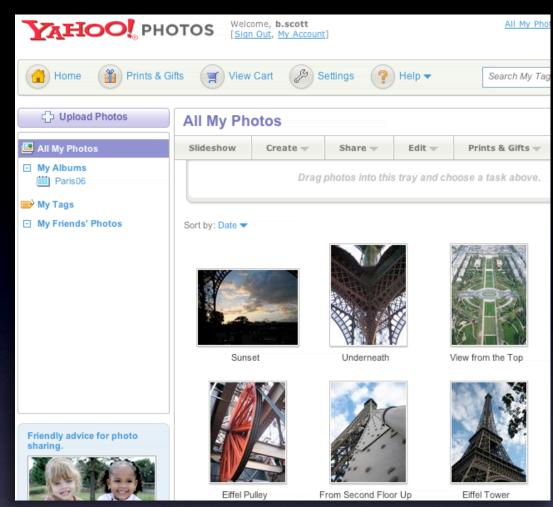


anti-pattern. y! photos. idiot boxes

stay on the page. overlay



anti-pattern. borders. hover & cover



stay on the page. overlay



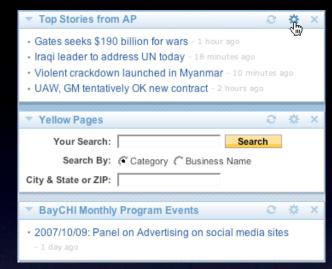
anti-pattern. borders. hover & cover

anti-pattern. y! photos. idiot boxes



inlays

inlays



my y!. in-context configuration

inlays



my yl. in-context configuration

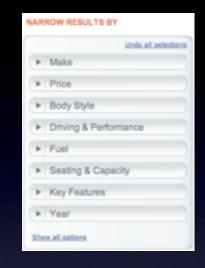


bbc. in-context configuration

inlays



my y!. in-context configuration



y! autos. accordion



bbc. in-context configuration

inlays



my yl. in-context configuration



NARROW RESULTS BY Undo all selections ▶ Make w Price up to \$15,000 (38) \$15,000-\$25,000 (277) \$25,000-\$35,000 (406) \$35,000-\$45,000 (257) \$45,000 or more (199) ▶ Body Style ▶ Driving & Performance ▶ Fuel ▶ Seating & Capacity ▶ Key Features ► Year Show all options

y! autos. accordion

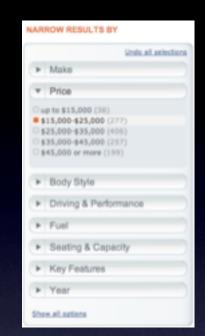
bbc. in-context configuration

inlays

in-context configuration in-context insight parallel content inlay vs. overlay

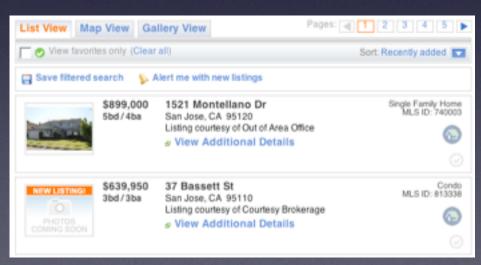


my y!. in-context configuration



y! autos. accordion





bbc. in-context configuration

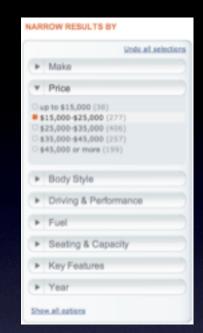
roost. in-context insight

inlays

in-context configuration in-context insight parallel content inlay vs. overlay

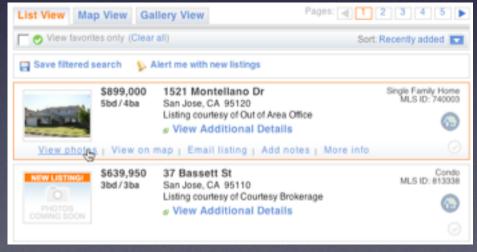


my y!. in-context configuration



y! autos. accordion





bbc. in-context configuration

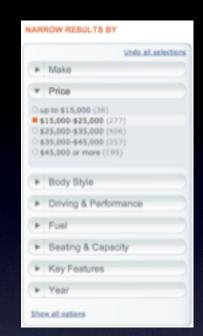
roost. in-context insight

inlays

in-context configuration in-context insight parallel content inlay vs. overlay

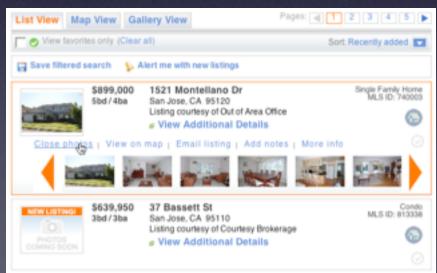


my y!. in-context configuration



y! autos. accordion





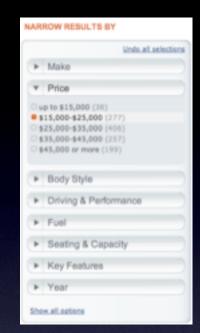
bbc. in-context configuration

roost. in-context insight

inlays

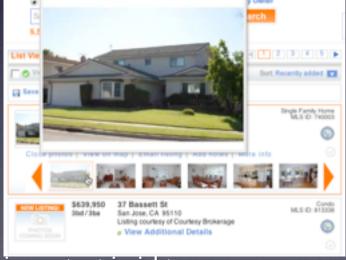


my y!. in-context configuration



y! autos. accordion





bbc. in-context configuration

roost. in-context insight

Rethink paging

use scrolling for "owned" data watch out for dual scroll bar issue hybrid of paging & scrolling

mlslistings. pagination

Photo	Price	Bd/Ba	Address and Area	MLS#	More	Virtual
Click for info		Sq Ft	Presented By	(Click for info)	Photos (Click for view)	Tours (Click for view)
	\$1,750,000 Single Res	6+, 4+ 3700	14080 BEAR CREEK RD Boulder Creek, CA 95006 (San Lorenzo Valley) Schwarzbach Associates	<u>550701</u>	MULTI	TOUR
ATT C	\$1,995,000 Single Res	6+, 4+ 5675	17617 MOUNTAIN CHARLIE RD LOS GATOS, CA 95033 (Unincorporated Los Gatos Mitns) Almaden Oaks Realtors	608215	MULTI	
	\$2,286,000 Single Res	5, 4+ 4800	20930 PANORAMA DR Los Gatos, CA 95033 (Los Gatos Mtns) Alain Pinel Realtors	604907	MULTI	TOUR
	\$2,750,000 Single Res	5, 4+ 5000	155 LARITA DR Ben Lomond, CA 95005 (San Lorenzo Valley) Network Alliance Real Estate	616947	MULTI	
	\$2,777,000 Single Res	5, 4+ 5819	777 HAPPY VALLEY RD Scotts Valley, CA 95065 (Scotts Valley) Linda Burroughs Real Estate	616474	MULTI	TOUR
New Search						

Rethink paging

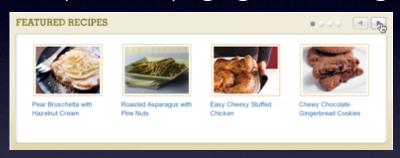
use scrolling for "owned" data watch out for dual scroll bar issue hybrid of paging & scrolling

mlslistings. pagination

Photo Click for info	Price	Bd/Ba Sq Ft	Address and Area Presented By	MLS # (Click for info)	More Photos (Click for view)	Virtual Tours (Click for view)
	\$1,750,000 Single Res	6+, 4+ 3700	14080 BEAR CREEK RD Boulder Creek, CA 95006 (San Lorenzo Valley) Schwarzbach Associates	<u>550701</u>	MULTI	TOUR
AND CO	\$1,995,000 Single Res	6+, 4+ 5675	17617 MOUNTAIN CHARLIE RD LOS GATOS, CA 95033 (Unincorporated Los Gatos Mtns) Almaden Oaks Realtors	608215	MULTI	
	\$2,286,000 Single Res	5, 4+ 4800	20930 PANORAMA DR Los Gatos, CA 95033 (Los Gatos Mtns) Alain Pinel Realtors	604907	MULTI	TOUR
	\$2,750,000 Single Res	5, 4+ 5000	155 LARITA DR Ben Lomond, CA 95005 (San Lorenzo Valley) Network Alliance Real Estate	616947	MULTI	
	\$2,777,000 Single Res	5, 4+ 5819	777 HAPPY VALLEY RD Scotts Valley, CA 95065 (Scotts Valley) Linda Burroughs Real Estate	616474	MULTI	TOUR
New Search << Previous Next >>						

Rethink paging

use scrolling for "owned" data watch out for dual scroll bar issue hybrid of paging & scrolling



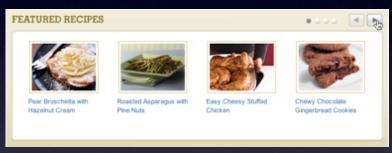
y! health. carousel

mlslistings. pagination

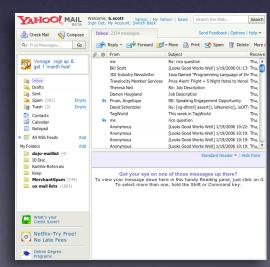
Photo	Price	Bd/Ba	Address and Area	MLS#	More	Virtual
Click for info		Sq Ft	Presented By	(Click for info)	Photos (Click for view)	Tours (Click for view)
	\$1,750,000 Single Res	6+, 4+ 3700	14080 BEAR CREEK RD Boulder Creek, CA 95006 (San Lorenzo Valley) Schwarzbach Associates	<u>550701</u>	MULTI	TOUR
ATT C	\$1,995,000 Single Res	6+, 4+ 5675	17617 MOUNTAIN CHARLIE RD LOS GATOS, CA 95033 (Unincorporated Los Gatos Mitns) Almaden Oaks Realtors	608215	MULTI	
	\$2,286,000 Single Res	5, 4+ 4800	20930 PANORAMA DR Los Gatos, CA 95033 (Los Gatos Mtns) Alain Pinel Realtors	604907	MULTI	TOUR
	\$2,750,000 Single Res	5, 4+ 5000	155 LARITA DR Ben Lomond, CA 95005 (San Lorenzo Valley) Network Alliance Real Estate	616947	MULTI	
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New Search						

Rethink paging

use scrolling for "owned" data watch out for dual scroll bar issue hybrid of paging & scrolling



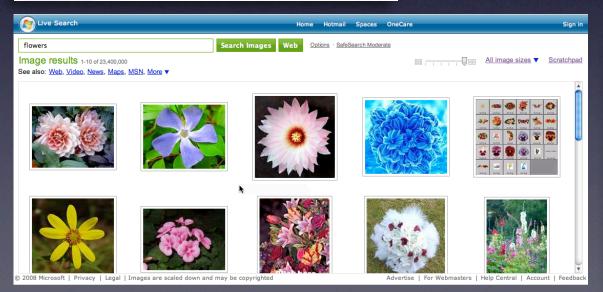
y! health. carousel



y! mail. on-demand scrolling

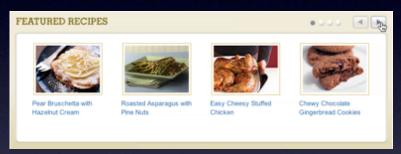
mlslistings. pagination

Photo Click for info	Price	Bd/Ba Sq Ft	Address and Area Presented By	MLS # (Click for info)	More Photos (Click for view)	Virtual Tours (Click for view)
	\$1,750,000 Single Res	6+, 4+ 3700	14080 BEAR CREEK RD Boulder Creek, CA 95006 (San Lorenzo Valley) Schwarzbach Associates	<u>550701</u>	MULTI	TOUR
HUCE	\$1,995,000 Single Res	6+, 4+ 5675	17617 MOUNTAIN CHARLIE RD LOS GATOS, CA 95033 (Unincorporated Los Gatos Mins) Almaden Oaks Realtors	608215	MULTI	
	\$2,286,000 Single Res	5, 4+ 4800	20930 PANORAMA DR Los Gatos, CA 95033 (Los Gatos Mtns) Alain Pinel Realtors	604907	MULTI	TOUR
	\$2,750,000 Single Res	5, 4+ 5000	155 LARITA DR Ben Lomond, CA 95005 (San Lorenzo Valley) Network Alliance Real Estate	616947	MULTI	
	\$2,777,000 Single Res	5, 4+ 5819	777 HAPPY VALLEY RD Scotts Valley, CA 95065 (Scotts Valley) Linda Burroughs Real Estate	616474	MULTI	TOUR
New Search << Previous Next >>						

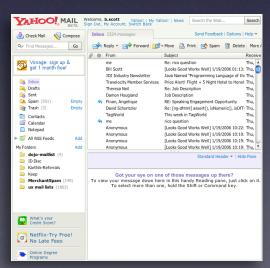


Rethink paging

use scrolling for "owned" data watch out for dual scroll bar issue hybrid of paging & scrolling



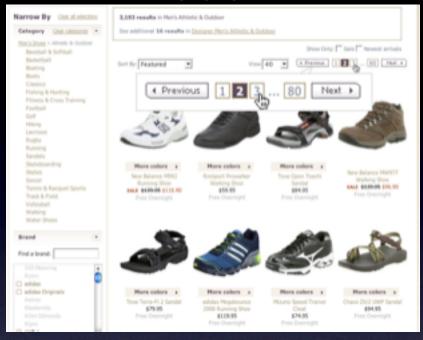
y! health. carousel



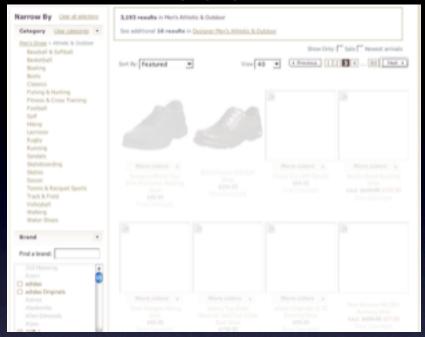
y! mail. on-demand scrolling

Rethink paging

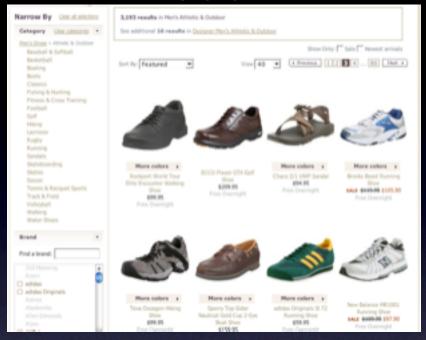
in-place paging zoomable user interface (zui)



stay on the page. virtual



stay on the page. virtual

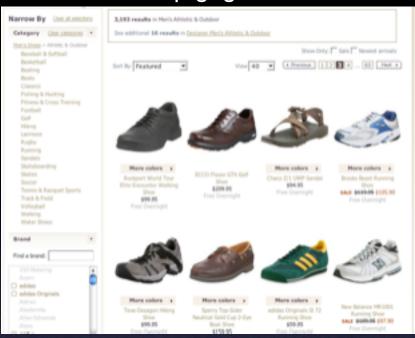


stay on the page. virtual

Rethink paging in-place paging

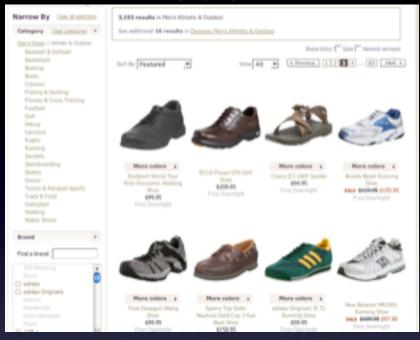
zoomable user interface (zui)

endless. seamless paging





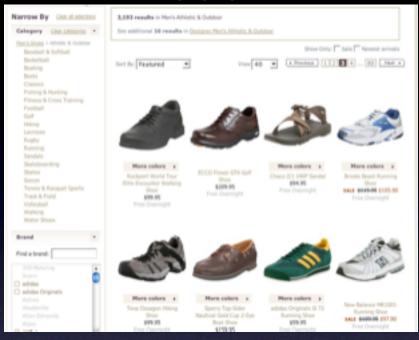
hard rock cafe, zui





hard rock cafe. zui

stay on the page. virtual



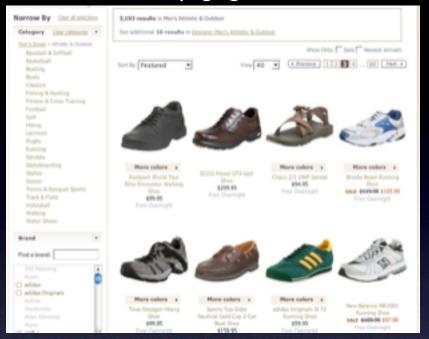


hard rock cafe. zui

stay on the page. virtual

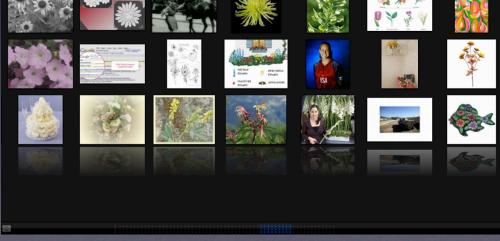
stay on the page. virtual

endless. seamless paging



Rethink paging in-place paging zoomable user interface (zui)





hard rock cafe. zui

cool iris (piclens). zui

rethink process flows

the user's mental model vs page model every page jump is a mental speed bump

rethink process flows

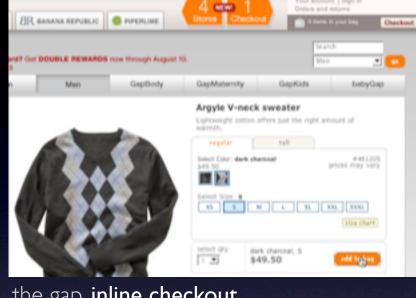
the user's mental model vs page model every page jump is a mental speed bump



the gap. inline assistant

rethink process flows

the user's mental model vs page model every page jump is a mental speed bump



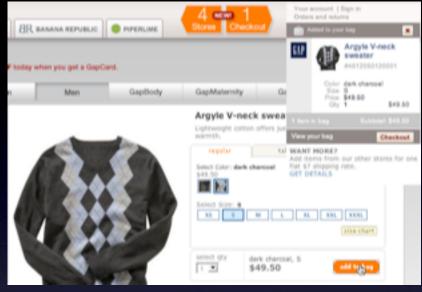
the gap. inline checkout



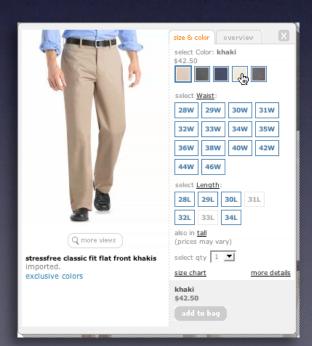
the gap. inline assistant

rethink process flows

the user's mental model vs page model every page jump is a mental speed bump



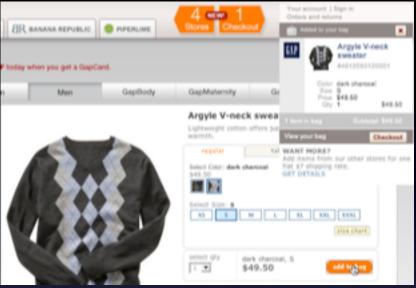
the gap. inline checkout



the gap. inline assistant

rethink process flows

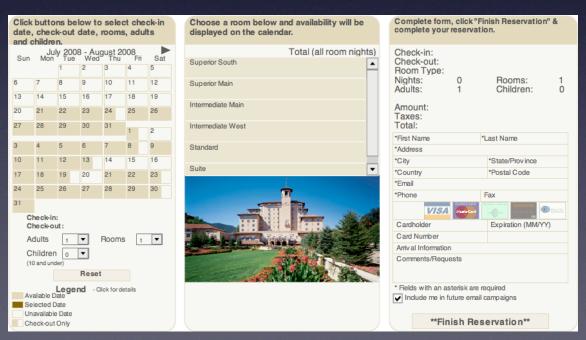
the user's mental model vs page model every page jump is a mental speed bump



the gap. inline checkout



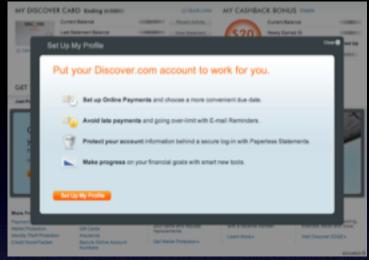
the gap. inline assistant



broadmoor hotel. one page checkout

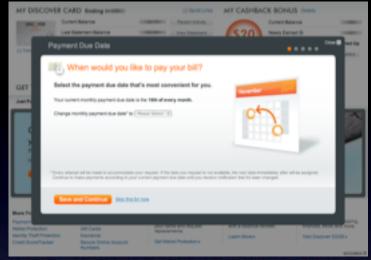
step by step?

step by step?



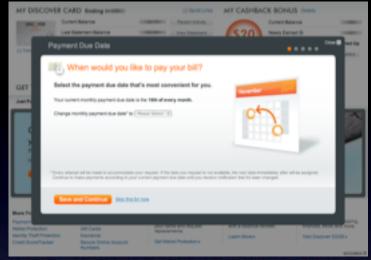
discover card. step by step

step by step?



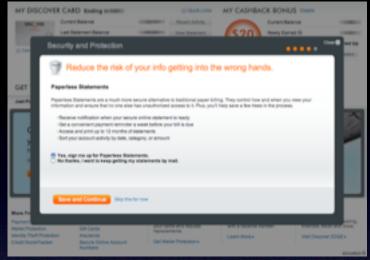
discover card. step by step

step by step?



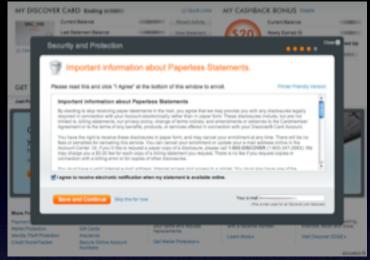
discover card. step by step

step by step?



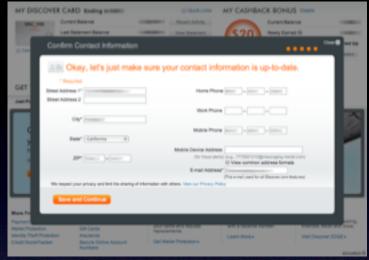
discover card. step by step

step by step?



discover card. step by step

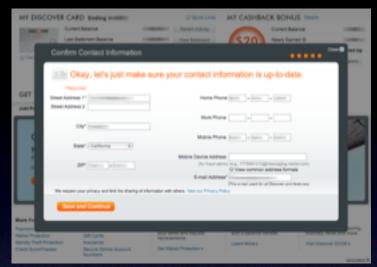
step by step?



discover card. step by step

step by step?

yes, sometimes works best

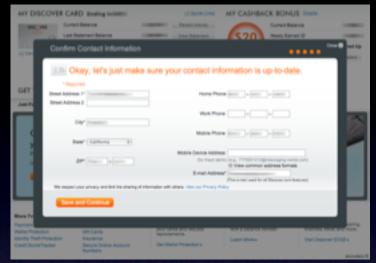


discover card. step by step

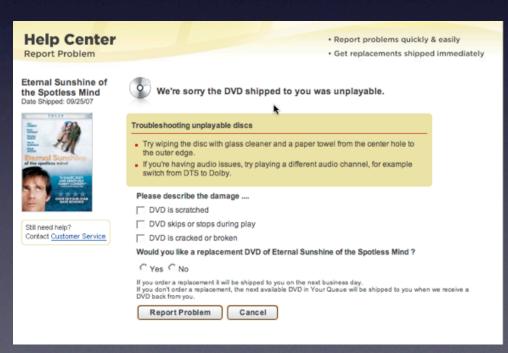


step by step?

yes, sometimes works best



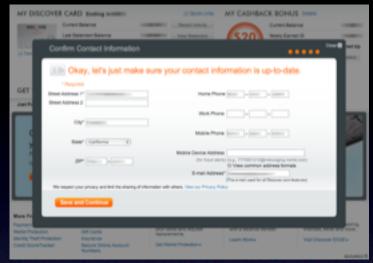
discover card. step by step



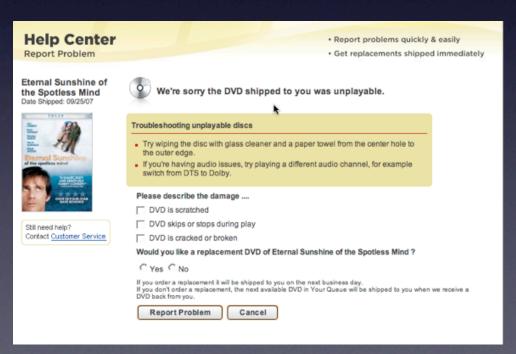
netflix. step by step

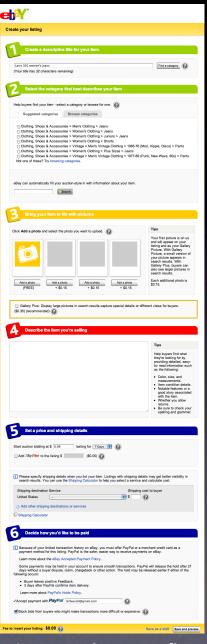
step by step?

yes, sometimes works best



discover card. step by step





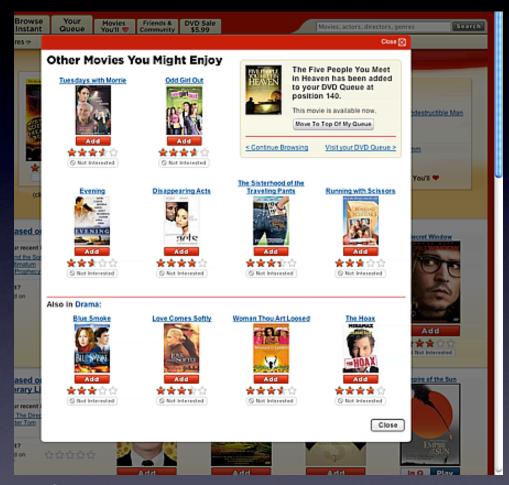
ebay. single page flow

stay on the page. anti-patterns

the answer is in testing

stay on the page. anti-patterns

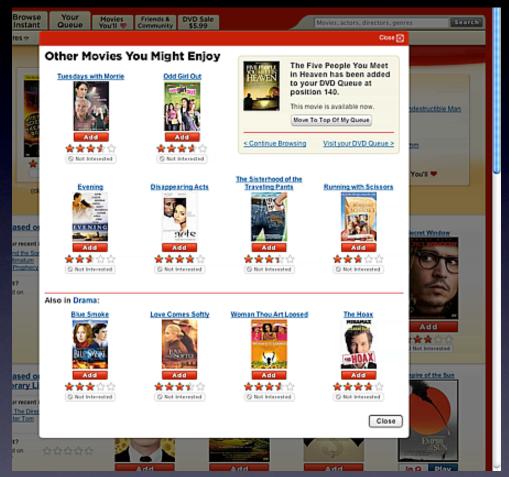
the answer is in testing



netflix. stalker overlay

stay on the page. anti-patterns

the answer is in testing





netflix. simpler overlay

netflix. stalker overlay

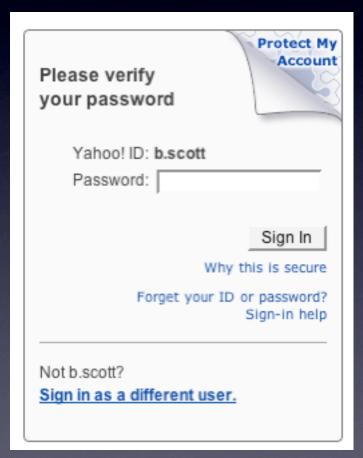
offer an invitation

unfinished look

dog-ear empty slots blank slate

unfinished look

dog-ear empty slots blank slate



yahoo login! dog-ear invite

unfinished look

dog-ear empty slots blank slate

Please verify your password	Protect My Account
Yahoo! ID: b.sc	cott
Password:	
	Sign In
	Why this is secure
Forget	your ID or password? Sign-in help
Not b.scott?	
Sign in as a differer	nt user.

Rate Your Recent Return

OCEAN'S THIRTEEN

ACE MOVIES YOU'LL LOVE

1
2

ACE MOVIES YOU'LL LOVE

No Opinion

No Opinion

No Not Interested

Not Interested

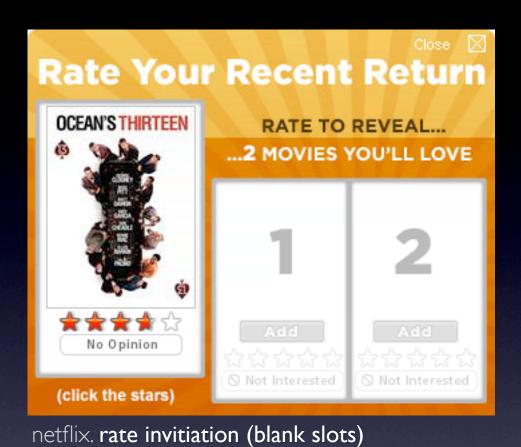
netflix. rate invitiation (blank slots)

unfinished look

dog-ear empty slots blank slate



yahoo login! dog-ear invite



Add a <u>List</u>, <u>Note</u>, <u>Writeboard</u>, <u>Divider</u>, or add <u>Tags</u>

My Own Page

Use these links to fill your page. <u>Need inspiration</u> or <u>a tutorial</u>?

backpackit. blank slate invitation

call to action

I-2-3 messaging spotlighting or lightbox provide a peek

call to action

I-2-3 messaging spotlighting or lightbox provide a peek



discover! I-2-3 call to action

call to action

I-2-3 messaging spotlighting or lightbox provide a peek



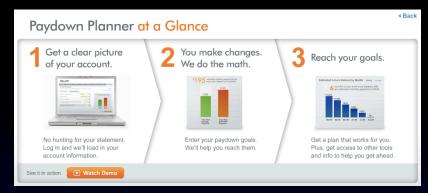
discover! I-2-3 call to action



yahoo! tour invitation

call to action

I-2-3 messaging spotlighting or lightbox provide a peek



discover! I-2-3 call to action



yahoo! tour invitation



starz play! sneak peek in carousel

Discoverability

No easy answer
Use the hover to reveal interaction
Use the familiar to teach the new
Can't flag all interactions

Discoverability

No easy answer
Use the hover to reveal interaction
Use the familiar to teach the new
Can't flag all interactions



State park near our home in San Jose

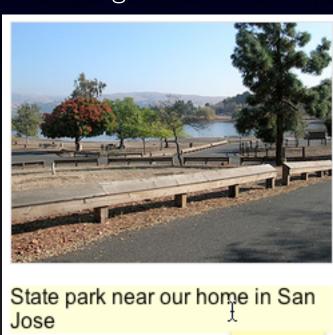
5 photos | Add a comment?

Photos are from 22 Oct 05.

flickr. hover invitation

Discoverability

No easy answer
Use the hover to reveal interaction
Use the familiar to teach the new
Can't flag all interactions



Click to edit

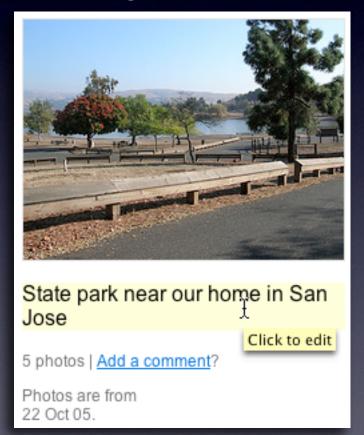
5 photos | Add a comment?

Photos are from 22 Oct 05.

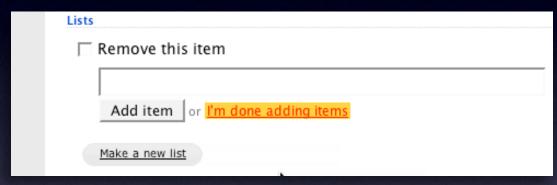
flickr. hover invitation

Discoverability

No easy answer
Use the hover to reveal interaction
Use the familiar to teach the new
Can't flag all interactions



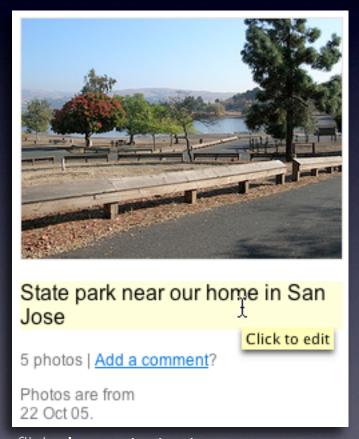
flickr. hover invitation



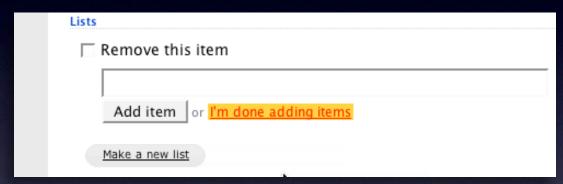
backpackit. tooltip invitation + hover invitation + cursor invitation

Discoverability

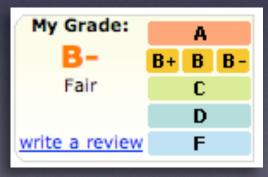
No easy answer
Use the hover to reveal interaction
Use the familiar to teach the new
Can't flag all interactions



flickr. hover invitation



backpackit. tooltip invitation + hover invitation + cursor invitation



y! movies. hover invitation

Discoverability

No easy answer
Use the hover to reveal interaction
Use the familiar to teach the new
Can't flag all interactions



State park near our home in San Jose

Click to edit

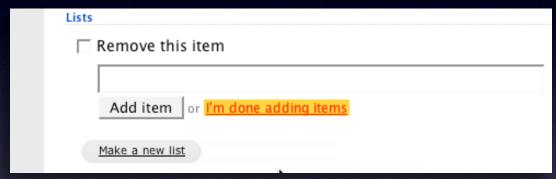
5 photos | Add a comment?

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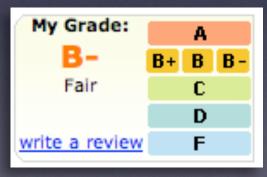
flickr, hover invitation



backpackit (fake). being too explicit



backpackit. tooltip invitation + hover invitation + cursor invitation



y! movies. hover invitation

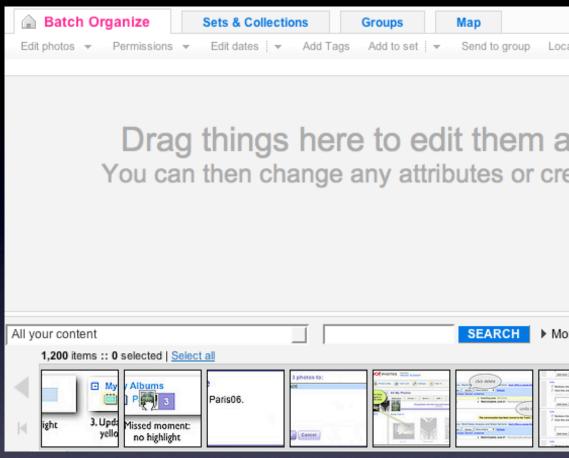
drag and drop

use the interesting moments before, during and after

drag and drop

use the interesting moments before, during and after

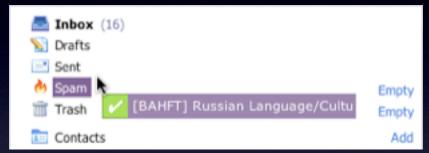
offer an invitation. dynamic invitation



flickr. drop here invitation (static)

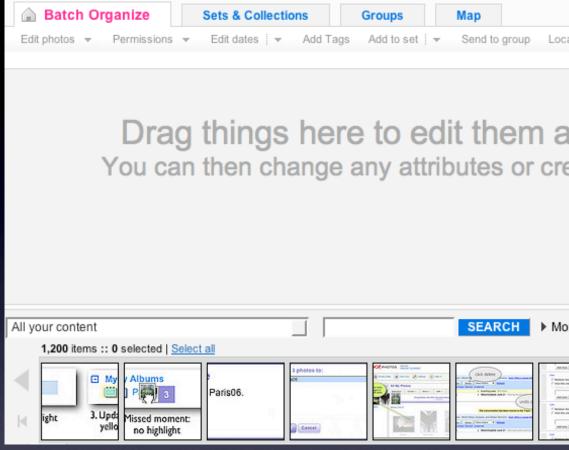
drag and drop

use the interesting moments before, during and after



flickr. drop here invitation (interactive)

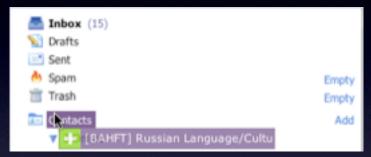
offer an invitation. dynamic invitation



flickr. drop here invitation (static)

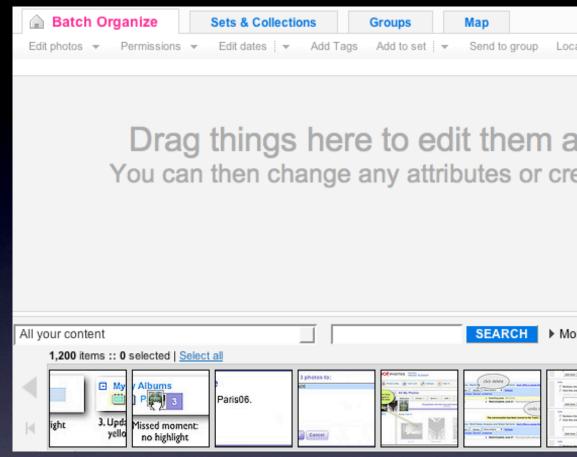
drag and drop

use the interesting moments before, during and after



flickr. drop here invitation (interactive)

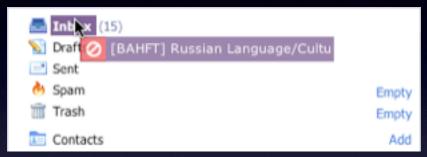
offer an invitation. dynamic invitation



flickr. drop here invitation (static)

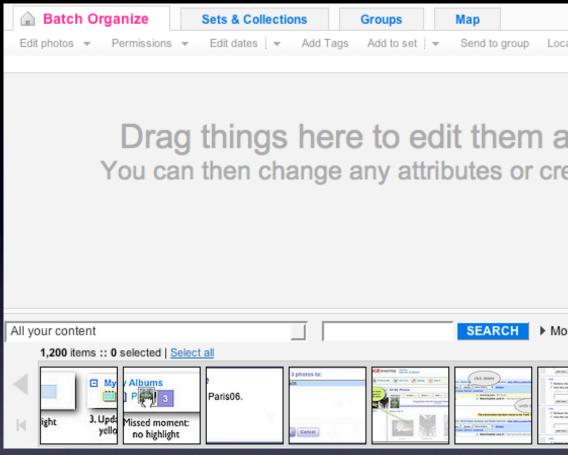
drag and drop

use the interesting moments before, during and after



flickr. drop here invitation (interactive)

offer an invitation. dynamic invitation



flickr. drop here invitation (static)

offer an invitation. dynamic invitation

bridge the new with the old

hyperlinks as actions reveal with hovers drop down clues

offer an invitation. dynamic invitation

Standard Fit QuickLook QuickLook Standard fit (aged blue wash) jeans \$49.50 Standard fit (medium wash) jeans \$59.50

the gap. button

bridge the new with the old

hyperlinks as actions reveal with hovers drop down clues

Standard Fit QuickLook Standard fit (Ilghtweight denim) jeans Standard Fit (aged blue wash) jeans \$49.50 Standard Fit (medium wash) jeans \$59.50

the gap. button

\$54.50



offer an invitation. dynamic invitation

bridge the new with the old hyperlinks as actions reveal with hovers drop down clues

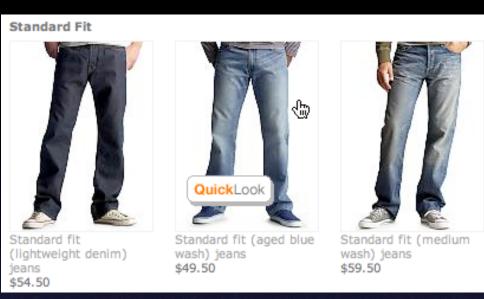
offer an invitation. dynamic invitation

bridge the new with the old hyperlinks as actions reveal with hovers

drop down clues



backpackit. revealed hyperlinks/icons



the gap. button



offer an invitation. dynamic invitation

bridge the new with the old

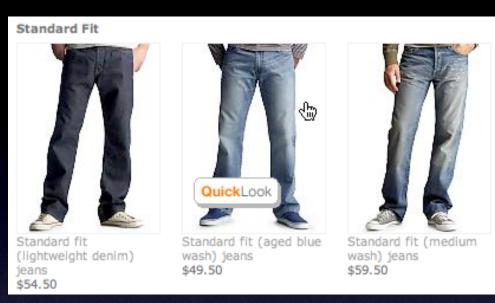
hyperlinks as actions reveal with hovers drop down clues



backpackit. revealed hyperlinks/icons



flickr. drop down affordance

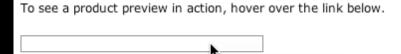


the gap. button



offer an invitation. anti-patterns

offer an invitation. anti-patterns



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.

anti-pattern. amazon. mouse trap

offer an invitation. anti-patterns

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

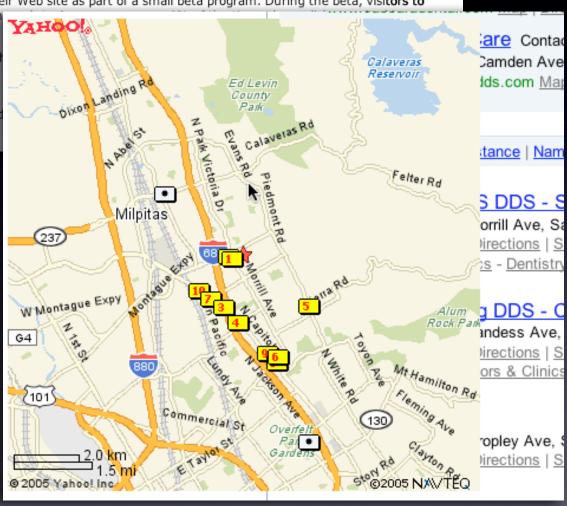
Forty Associates recently added product previews to their Web site as part of a small beta program. During the beta, visitors to

Associate sites who viewed a product preview clicked th purchase nearly 6% of the time.

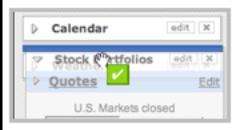
Now we're opening the beta up to all Associates to furth through a product preview-enhanced link will receive a testing product previews.

Don't worry if you don't already have Basic Display Proc process. <u>Click here</u> for answers to questions you might

anti-pattern. amazon. mouse trap

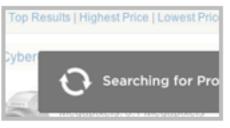


anti-pattern. y! maps. mouse trap



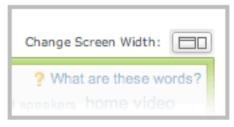
Animate Transition

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



Brighten Transition

Designer wants to make a previously dimmed object a point of focus by making the object bright again.



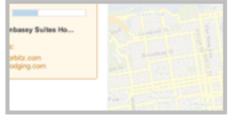
Collapse Transition

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



Cross Fade Transition

Designer wants to communicate that a new view of an object is replacing the previous view of the object.



Dim Transition

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



Expand Transition

Designer needs to show the detail of an object in its context or reveal a previously collapsed object.



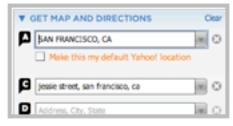
Fade In Transition

Designer needs to communicate that an object is being added to the page or application.



Fade Out Transition

Designer needs to communicate that an object is going away.



Self Healing Transition

Designer wants to show that an object has been removed from a list of objects.



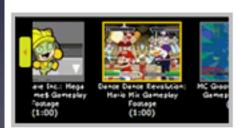
Cross Fade Transition

Designer wants to communicate that a new view of an object is replacing the previous view of the object.



Fade In Transition

Designer needs to communicate that an object is being added to the page or application.



Slide Transition

The designer wants to bring new content into the page and would like to communicate the additional content's relationship with other items on the page.



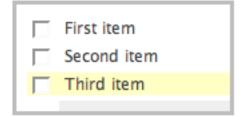
Dim Transition

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



Fade Out Transition

Designer needs to communicate that an object is going away.



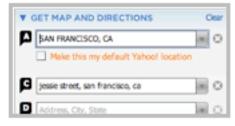
Spotlight Transition

Designer needs to call attention to where a data value or content has changed within the interface.



Expand Transition

Designer needs to show the detail of an object in its context or reveal a previously collapsed object.



Self Healing Transition

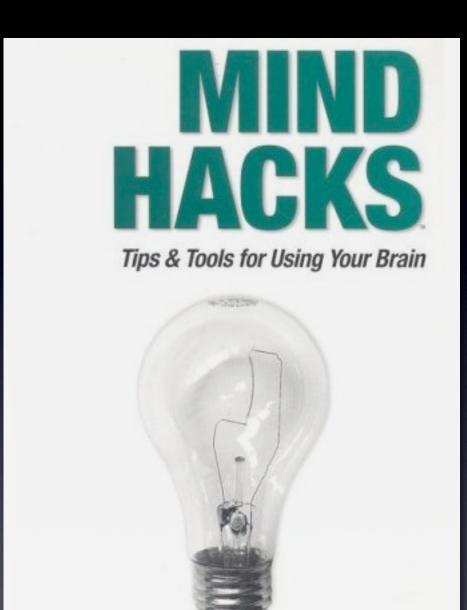
Designer wants to show that an object has been removed from a list of objects.

Speak to the brain

Understanding attention processing

Speak to the brain

Understanding attention processing



O'REILLY"

Tom Stafford & Matt Webb

Foreword by Steven Johnson, author of Mind Wide Open

Speak to the brain

Understanding attention processing Sending the wrong message

Speak to the brain

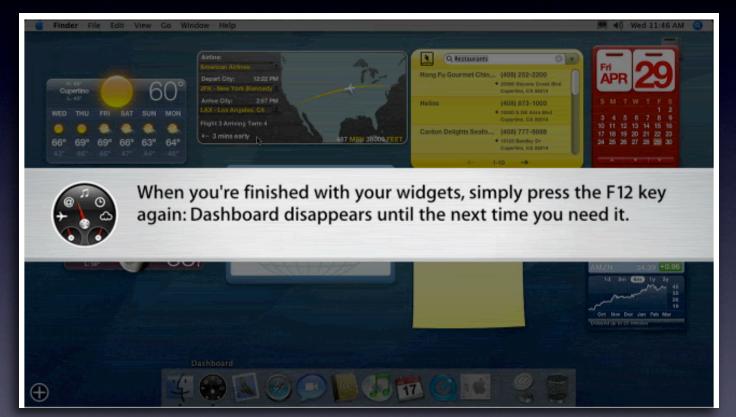
Understanding attention processing Sending the wrong message



flickr zeitgeist

Speak to the brain

Understanding attention processing Sending the wrong message

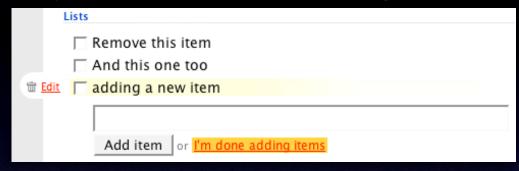




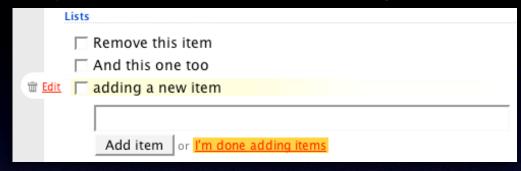


flickr zeitgeist

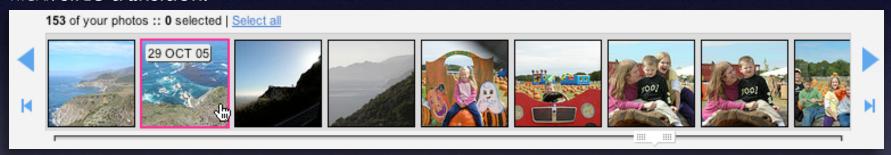
backpackit. fade transition + self-healing transition.



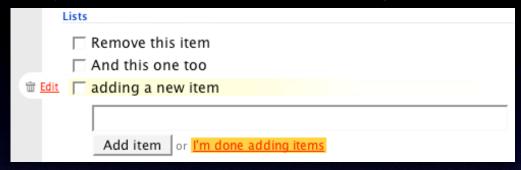
backpackit. fade transition + self-healing transition.



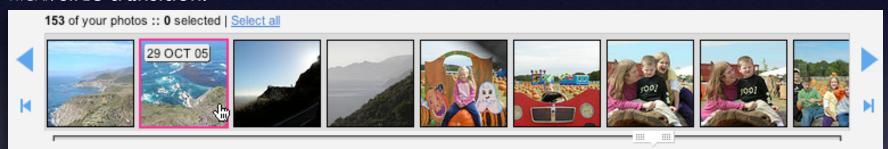
flickr. slide transition.



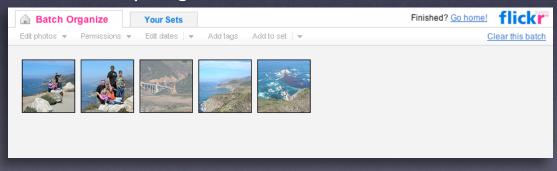
backpackit. fade transition + self-healing transition.



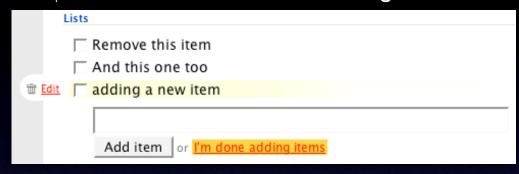
flickr. slide transition.

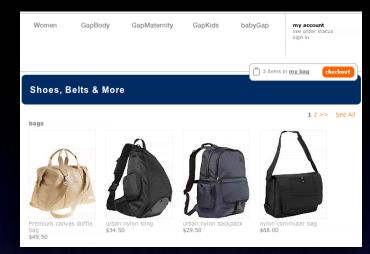


flickr. active spotlight.

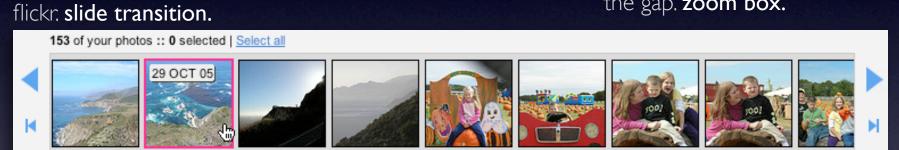


backpackit. fade transition + self-healing transition.

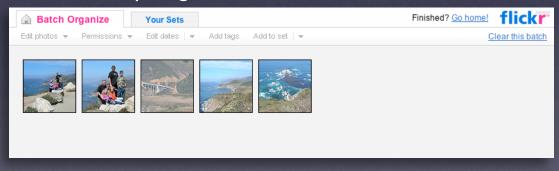




the gap. zoom box.



flickr. active spotlight.



you can...

speed up time slow down interaction show state change show relationships between objects focus attention

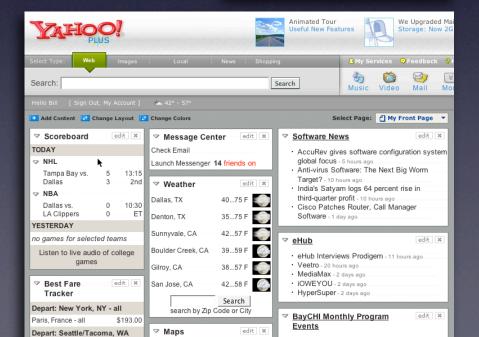
you can...

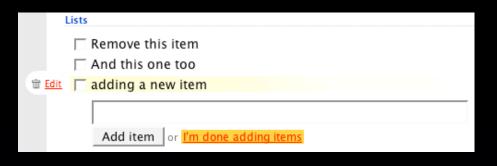
speed up time slow down interaction show state change show relationships between objects focus attention

Connecting

you can...

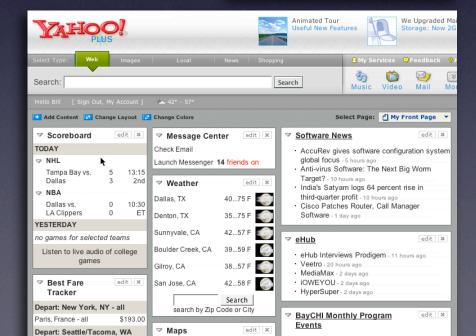
speed up time slow down interaction show state change show relationships between objects focus attention

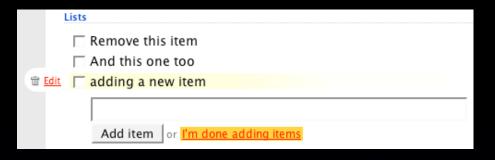


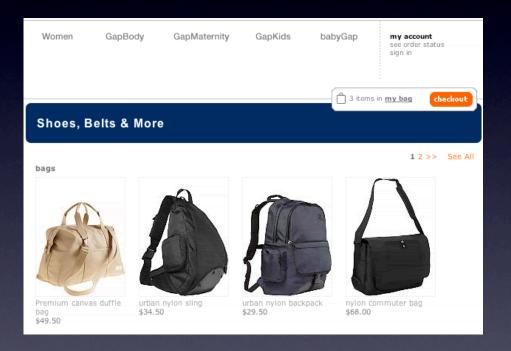


you can...

speed up time slow down interaction show state change show relationships between objects focus attention

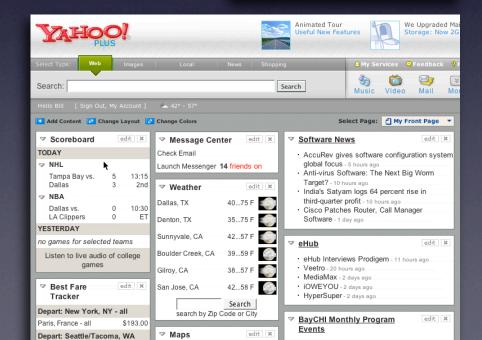


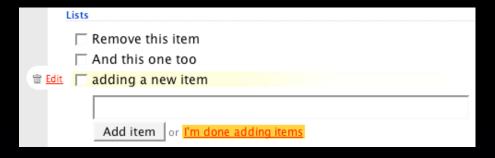


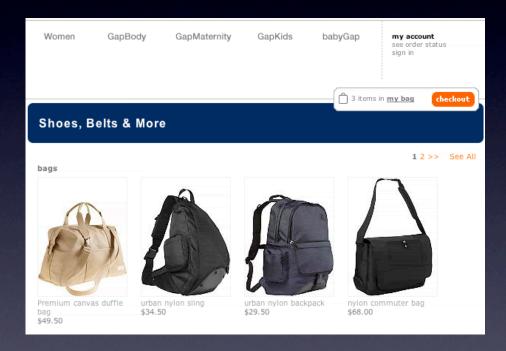


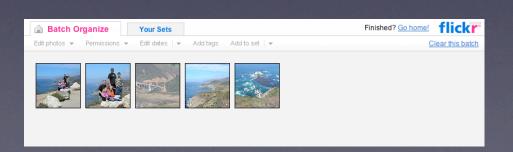
you can...

speed up time slow down interaction show state change show relationships between objects focus attention



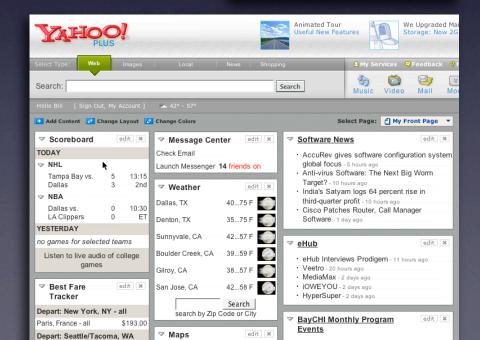






you can...

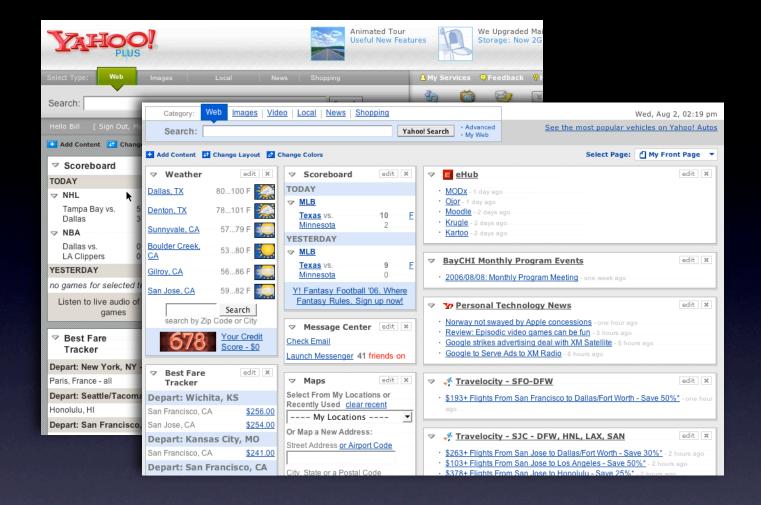
speed up time slow down interaction show state change show relationships between objects focus attention





Keep it sane

"Cut it in-half" rule of thumb Use "contrast knob" approach



Keep it sane

"Cut it in-half" rule of thumb Use "contrast knob" approach



Keep it sane

"Cut it in-half" rule of thumb Use "contrast knob" approach

use transitions. anti-patterns

use transitions. anti-patterns



use transitions. anti-patterns

anti-pattern. amazon. animation gone wild

Our Favorites for Summer (Re)Reading







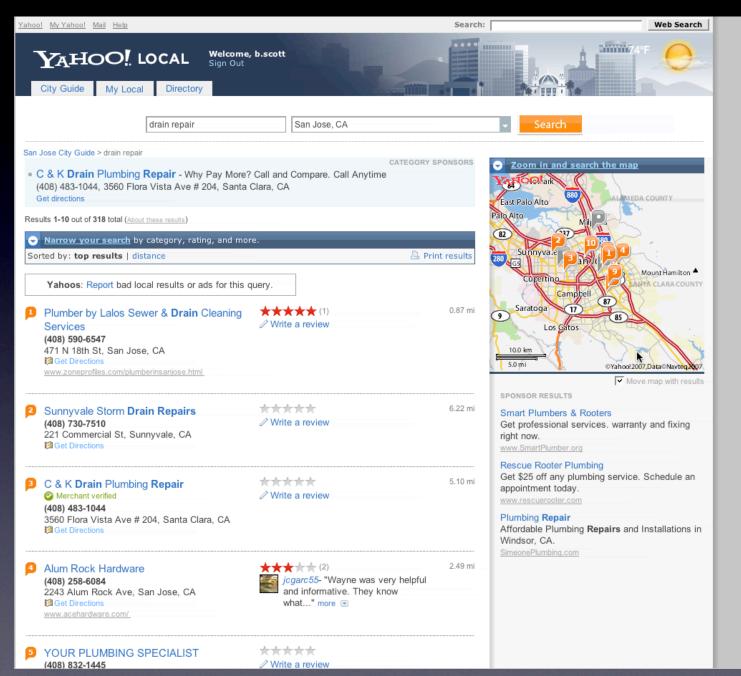
anti-pattern. amazon. animation gone wild







anti-pattern. afi. animation gone wild





merican airlines from july 12 to july 16

Expedia flight search



Don't want Expedia? You can also use CheapTickets, Kayak, Orbitz, Sidestep or Travelocity. Just say so!

From Boston, Logan, MA (BOS) To Dallas/Ft. Worth, TX (DFW)

Dates:

leaving Sat July 12, 2008 returning Wed July 16, 2008

Other trip details:

Economy class on American Airlines

Passengers:

1 adult

Ask Your Question: Enter Your Question and Check Spelling		
	Asking costs you 5 points. You can ask 5 more questions today. You have 198 points.Earn more points by answering other people's questions.	
Enter your question Be more specific for better answers.	You have 110 characters to work with. Please follow our community guidelines.	
2. Add details (optional) The more details you provide, the better your results will be.		
	You have 1000 characters to work with.	
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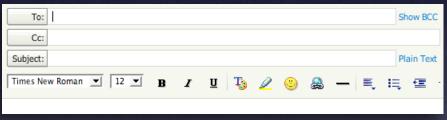
y! answers. live suggest

Ask Your Question: Enter Your Question and Check Spelling		
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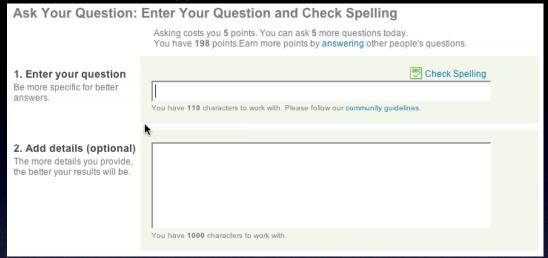
y! answers. live suggest



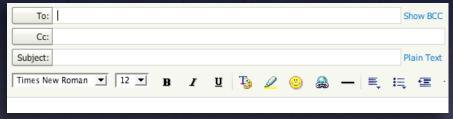
y! mail, kayak. auto complete



y! answers. live suggest

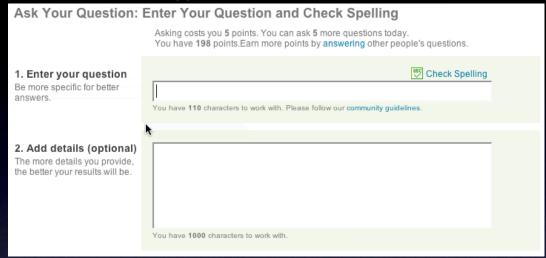


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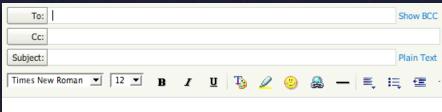




y! answers. live suggest

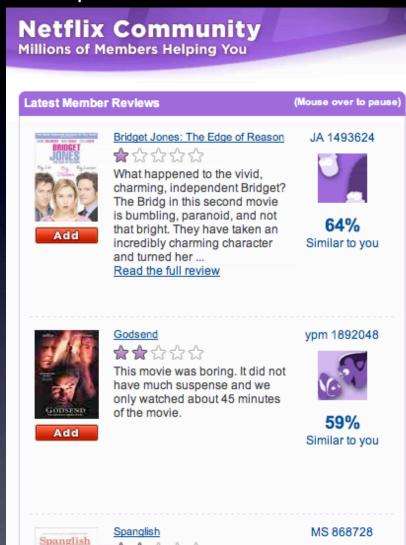


y! mail, kayak. auto complete



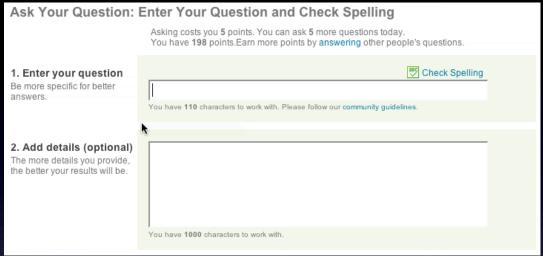


netflix. periodic refresh

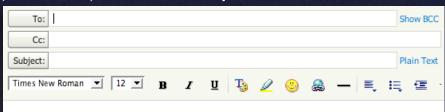


<u>~</u> ~> ~> ~>

y! answers. live suggest



y! mail, kayak. auto complete





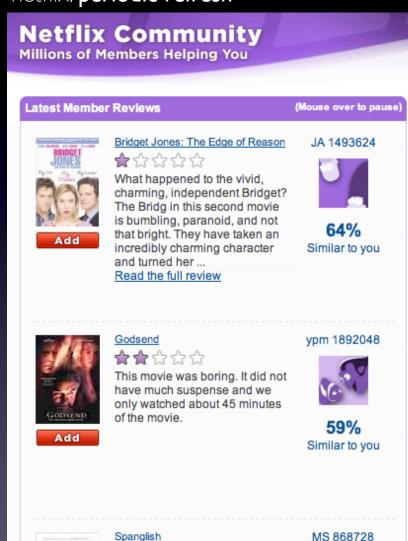
y!mail. busy indicator



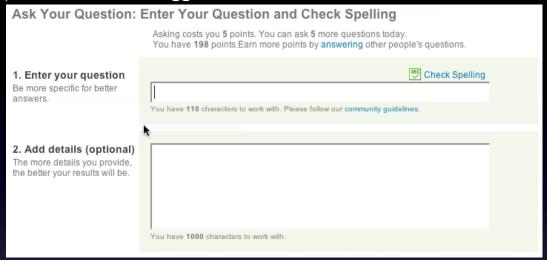
netflix. periodic refresh

Spanglish

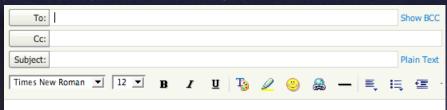
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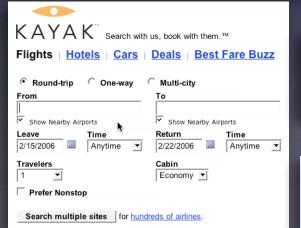


y! answers. live suggest

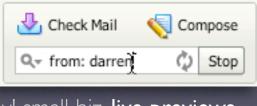


y! mail, kayak. auto complete





y!mail. busy indicator



y! small biz. live previews

netflix. periodic refresh

Latest Member Reviews

Netflix Community

Millions of Members Helping You





(Mouse over to pause)



64% Similar to you



Add

Godsend



This movie was boring. It did not have much suspense and we only watched about 45 minutes of the movie.





59% Similar to you

Spanglish Spanglish

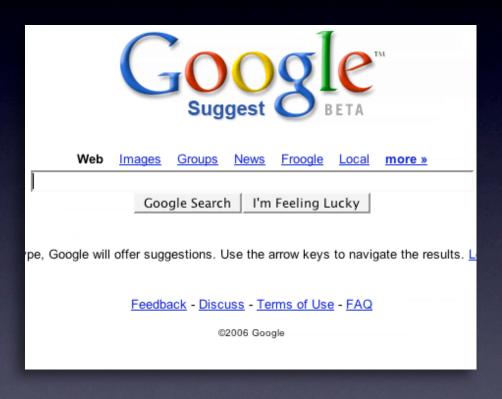
MS 868728

Search

Keep the goal in mind

Design for relevancy ls it narrowing or distracting

Design for relevancy ls it narrowing or distracting



Design for relevancy Is it narrowing or distracting



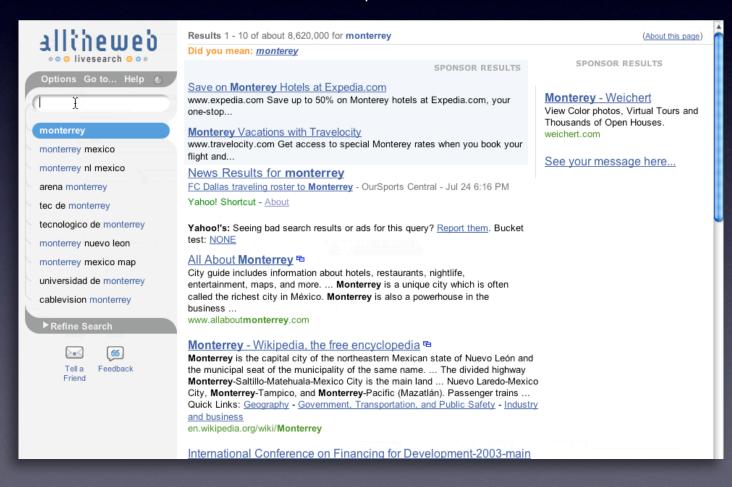


nfl

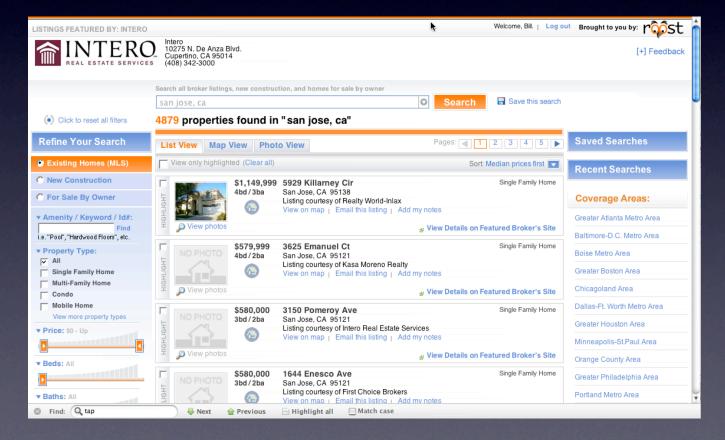
Keep the goal in mind

Design for relevancy

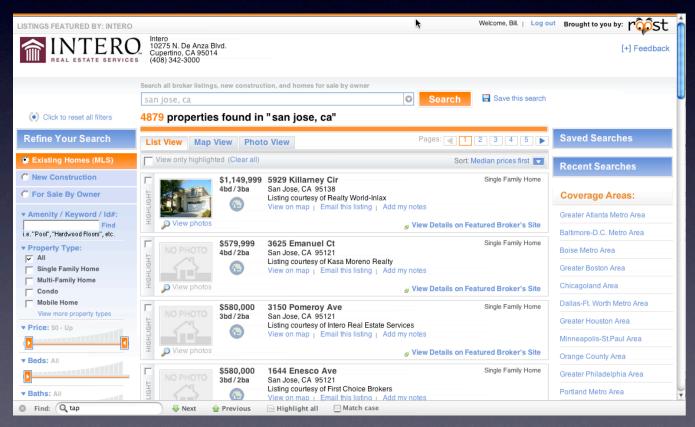
Design for relevancy



Design for relevancy



Design for relevancy



Shape user perception

Make time pass faster Make application feel more responsive

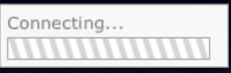
Shape user perception

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Shape user perception

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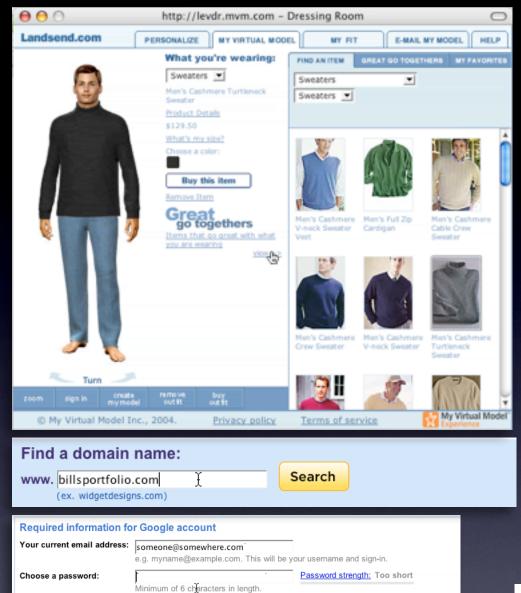
Prevent errors before-hand

Required information fo	r Google account	
Your current email address:	someone@somewhere.com e.g. myname@example.com. This will be y	our upersons and sign in
Choose a password:	e.g. myname@example.com. Trils will be y	Password strength: Too short
choose a passivora.	Minimum of 6 characters in length.	

Prevent errors before-hand

THE RESERVE AND THE PARTY OF TH		
Find a domain	name:	
www. billsportfolio	o.com	
(ex. widgetdesidesidesidesidesidesidesidesidesidesi		
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Required information for Google account		
Your current email address:	someone@somewhere.com	
	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	

Prevent errors before-hand



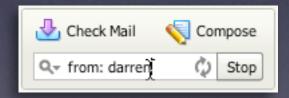
Prevent errors before-hand

Keep feedback focused

Avoid side-noise (peripheral distractions)
Use laws of proximity in context feedback
Respect feedback bandwidth

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Use laws of proximity in context feedback
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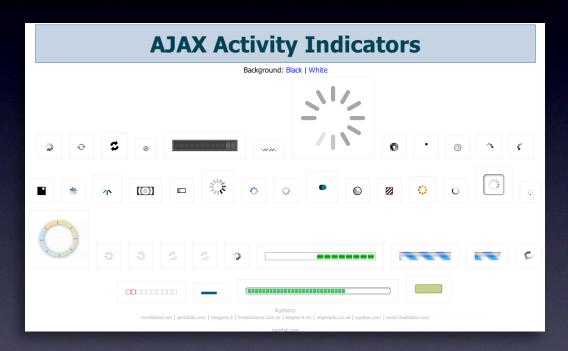


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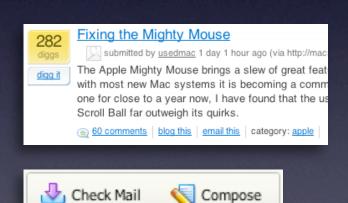






Keep feedback focused

Avoid side-noise (peripheral distractions)
Use laws of proximity in context feedback
Respect feedback bandwidth



Stop

Q- from: darren

Keep feedback focused

Use nuance



Keep feedback focused

Use nuance



Keep feedback focused

Use <u>nuance</u>

Think "deeper interaction"

Multi-variate data focus + context

Think "deeper interaction"

Multi-variate data focus + context



Time Range A Aug 9,2004 - Aug 4,2006

Think "deeper interaction"

Splits Dividends



1 Day 5 Days 1 Month 3 Months 6 Months 1 Year 2 Years 5 Years

6 principles for Designing Web Interfaces

make it direct keep it lightweight stay on the page provide invitations use transitions react immediately

Upcoming Book: Designing Web Interfaces: Principles & Patterns for Rich Interfaces O'Reilly

This Presentation: http://billwscott.com/share/presentations/2008/rubygroup