

Designing Web Interfaces

Principles & Patterns for Rich Interaction Bill Scott

Big D Design Conference May 30, 2009

Bill Scott
Director, UI Engineering
Netflix

background



JavaScript for Rich

WWIIIGATO

Demos Documentation

An open-source JavaScript library fo applications. Rico provides full Ajax management and a cinematic effects

BACKGROUND

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

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. is 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

AJAX SUPPORT

techniques for creating the key ingredients is Rico provides a very s request handlers as w objects as Ajax respon objects may be update Want to get started I then read our two Aja:

DRAG AND DROP

Desktop applications interfaces to simplify the simplest interface support drag and drop JavaScript object as a handles the rest.

CINEMATIC EFFECT

When actions are no I required to clue the u transitions can comm Rico provides several o

BEHAVIORS

Take some raw HTML Laszlo. Just nest some an accordion. And the connect an Html table automatically called o

Ajax is the term that of

Rico you can get an Ac an unlimited amount of

Developer Network Home Help

VAHOO! DEVELOPER NETWORK

Design Pattern Library

Yahoo! Developer Network > Design Pattern Library

- 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

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 library with the design and development community. This is our first drop of wha hope to be a monthly release cycle for the publication of patterns. In many case have bundled the patterns with pointers to related code from the Yahoo! User In Code Library. We hope this is a useful resource and look forward to your feedba

Travel > Guides

ica > United Stat

New York City >

Breadcrumbs

User needs to n

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without becomi

News Home U.

Navigation Tabs

The user needs

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content and feat

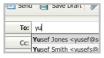
have clear indic

current location

What's a Pattern?

A pattern describes an optimal solution to a co

Recent Patterns



Auto-Complete 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.



 Cargo Ship Blocks Sue International Observers - Dall Chaus Divida Am

Module Tabs

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



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

Average Ratin Read 20 review Good

A A A A Rating an Obje

A user wants to leave their opini object, with min interruption to a

Jericho: Season 2 flow they are in Battlestar Galactica: Season 1 Heroes: Season 3

> Set this genre TV Dramas \bigcirc \bigcirc \bigcirc

See Rico in Action!

NETFLIX

Site Search

Watch Instantly Que Home Genres

New Relea

O'REILLY'

Bill Scott & Theresa Netl

II Scott ▼ | Your

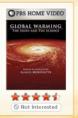
Movies, actors, d

Because you enjoyed:

Enron: The Smartest Guys in the Room Who Killed the Electric Car? Iraq for Sale: The War Profiteers

We think you'll enjoy: Global Warming: The Signs and the

Play Add



Web Interfaces

Principles and Patterns for Rich Interactions

YOUR RECENT ACTIVIT 10/19 You watched Sur 10/18 You watched I Re 10/18 You watched The

10/18 You watched 21 10/17 You watched The

SUGGESTIONS FOR YO

You have new suggestion

TV Sci-Fi & Fantasy

Based on your interest in: Jericho: Season 2 Battlestar Galactica: Season 1

Heroes: Season 3 Set this genre TV Sci-Fi & Fantasy



TV Dramas

Based on your interest in:

See all >>

See all >>



House, M.D.: Season 1

北京公共







Desperate Housewives: Season



ORRO ***



Newton's Third Law of Motion

For every action, there is an equal and opposite reaction

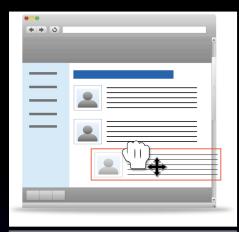
interesting moments abound to engage the user it's the nuance stupid make "less" become "more"



6 principles for Designing Rich Web Experiences

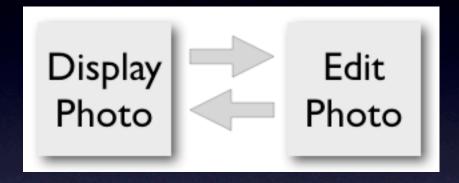
- 1. make it direct
- 2. keep it lightweight
- 3. stay on the page
- 4. offer an invitation
- 5. show transitions
- 6. react immediately

In-Page Editing. Single-Field Inline Edit. Multi-Field Inline Edit. Overlay Edit. Table Edit. Group Edit. Module Configuration. Drag and Drop. Drag and Drop Module. Drag and Drop List. Drag and Drop Object. Drag and Drop Action. Drag and Drop Collection. Direct Selection. Toggle Selection. Collected Selection. Object Selection. Hybrid Selection. Contextual Tools. Always-Visible Tools. Hover-Reveal Tools. Toggle-Reveal Tools. Multi-Level Tools. Secondary Menu. Overlays. Dialog Overlay. Detail Overlay. Input Overlay. Inlays. Dialog Inlay. List Inlay. Detail Inlay. Tabs. Virtual Pages. Virtual Scrolling. Inline Paging. Scrolled Paging. Carousels Virtual Panning. Zoomable User Interface. Process Flow. Interactive Single-Page. Process Inline Assistant. Process Dialog Overlay. Process Configurator. Static Single-Page Process. Invitation. Static Invitations. Call to Action Invitation. Tour Invitation. Dynamic Invitation. Hover Invitation. Affordance Invitation. Drag and Drop Invitation. Inference Invitation. More Content Invitation. Transitions. Brighten and Dim. Expand/Collapse. Self-Healing. Fade. Animation. Spotlight. Lookup Patterns. Auto Complete. Live Suggest. Live Search. Refining Search. Feedback Patterns. Live Preview. Progressive Disclosure. Progress Indicator. Periodic Refresh.

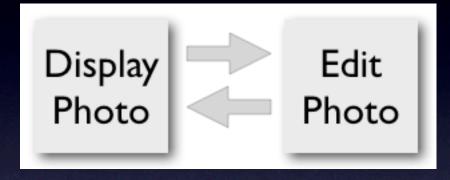


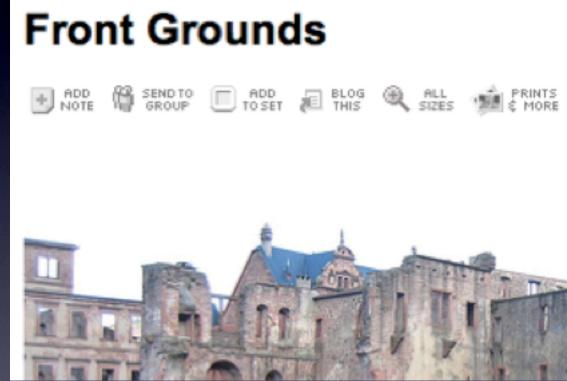
make it direct

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

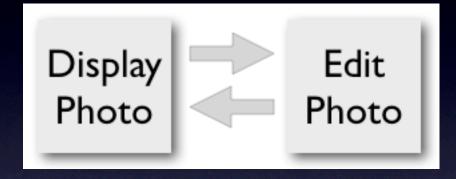


Allow input wherever you have output Shorten the length of interaction Make objects directly actionable



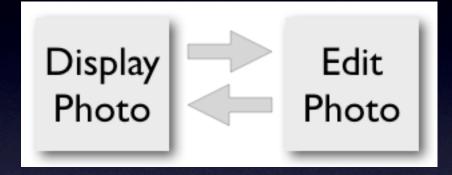


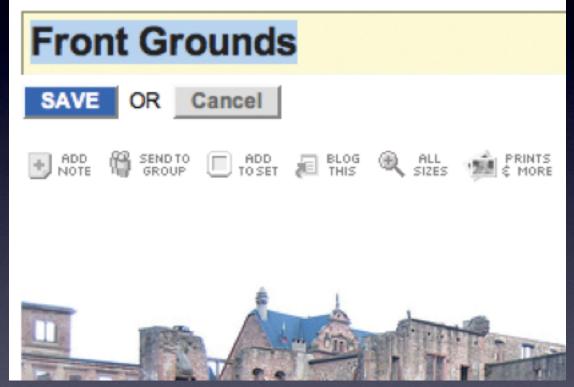
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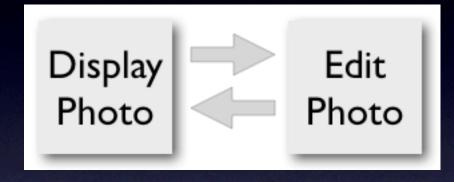


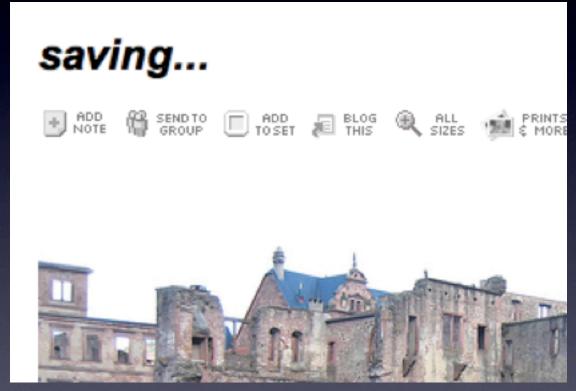
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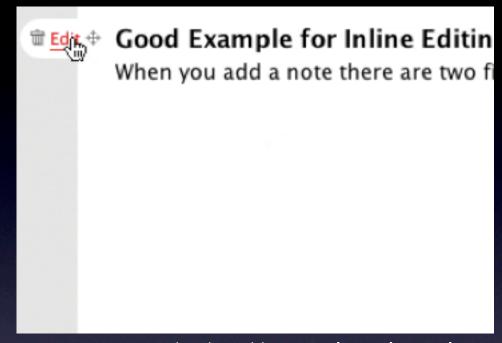


considerations

discoverability complex editing blending modes

considerations

discoverability complex editing blending modes



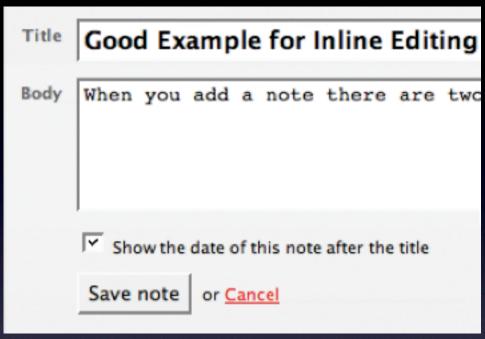
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Good Example for Inline Editing

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

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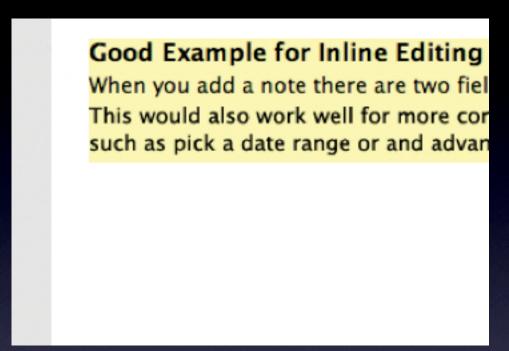
backpackit. complex inline editing

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

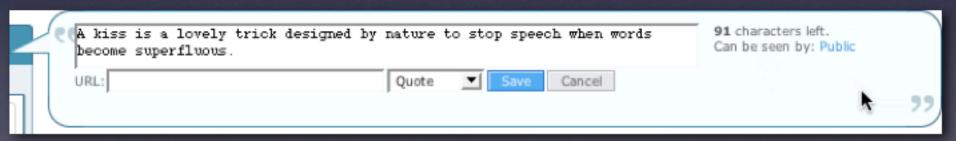


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Yahoo! 360 blast. blending display & edit modes

considerations

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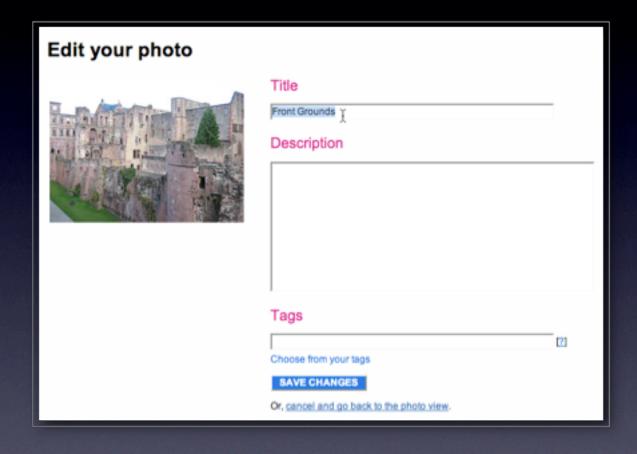
Additional Information

- C 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

considerations

discoverability complex editing blending modes accessibility



flickr. alternate edit path

group editing

group editing



iPhone. non-symmetrical; readability

group editing



iPhone. non-symmetrical; readability

group editing

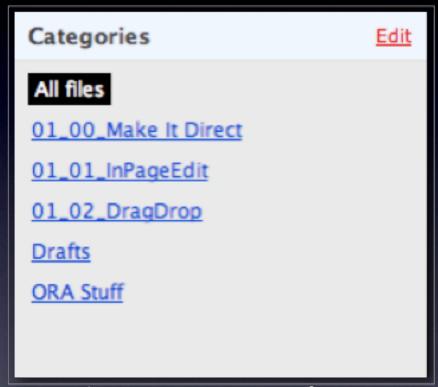


iPhone. non-symmetrical; readability

group editing



iPhone. non-symmetrical; readability

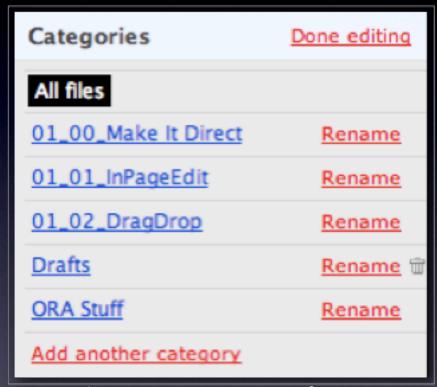


basecamp. symmetry of interaction

group editing



iPhone. non-symmetrical; readability



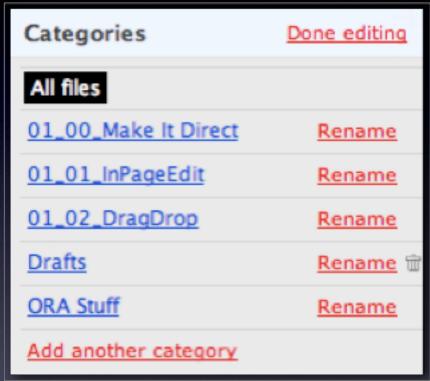
basecamp. symmetry of interaction

group editing

symmetry of interaction discoverability vs readability



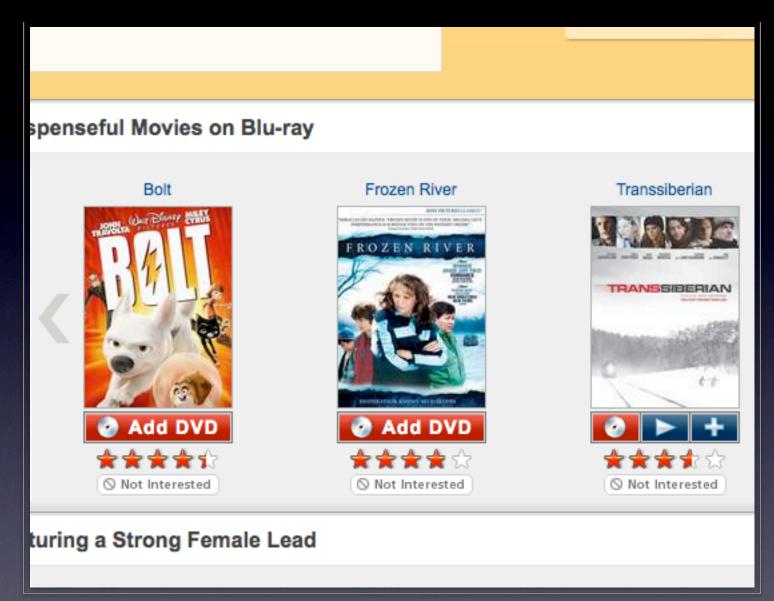
iPhone. non-symmetrical; readability



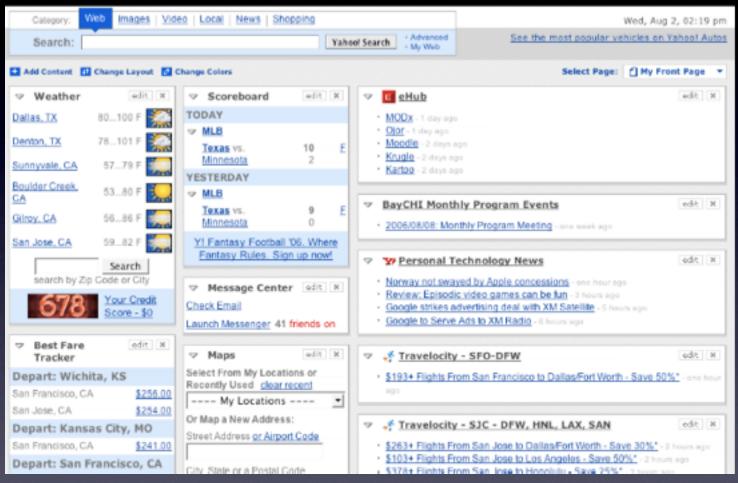
basecamp. symmetry of interaction

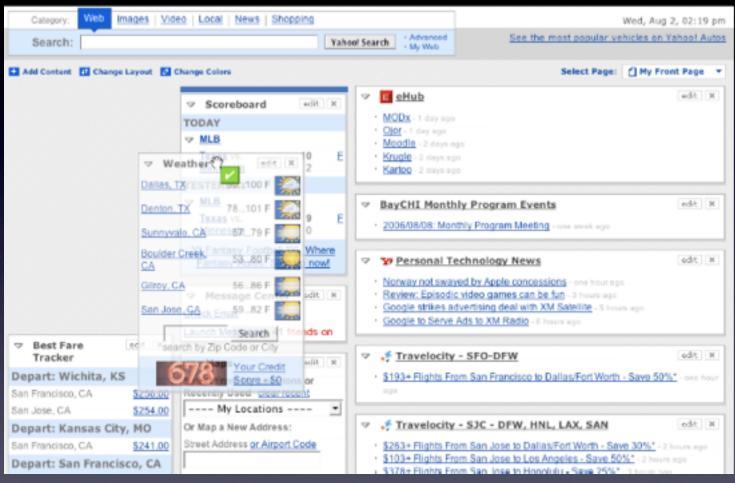
"If readability is more important than editing then keep the editing action hidden until the user interacts with the content."

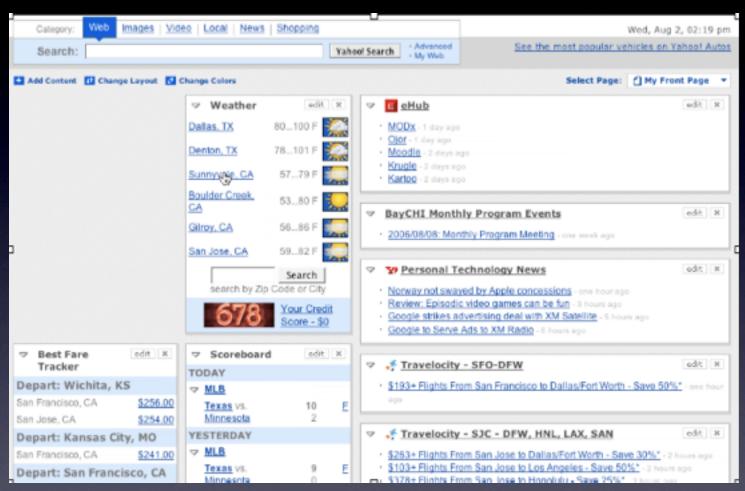
Refactored. Non-Symmetrical Interaction.

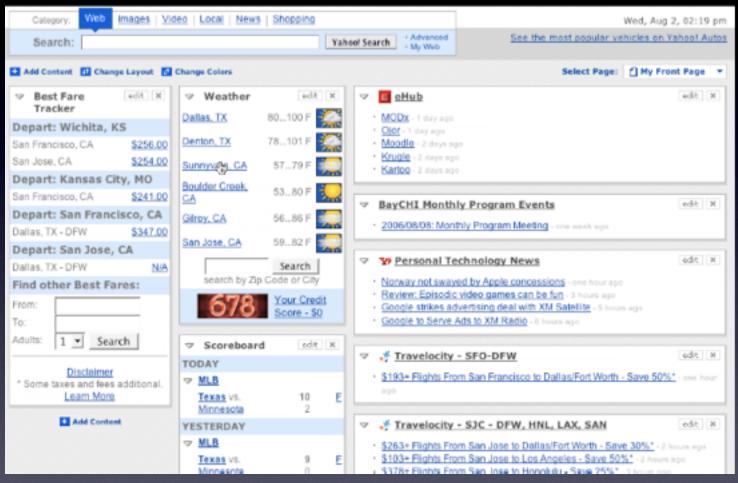


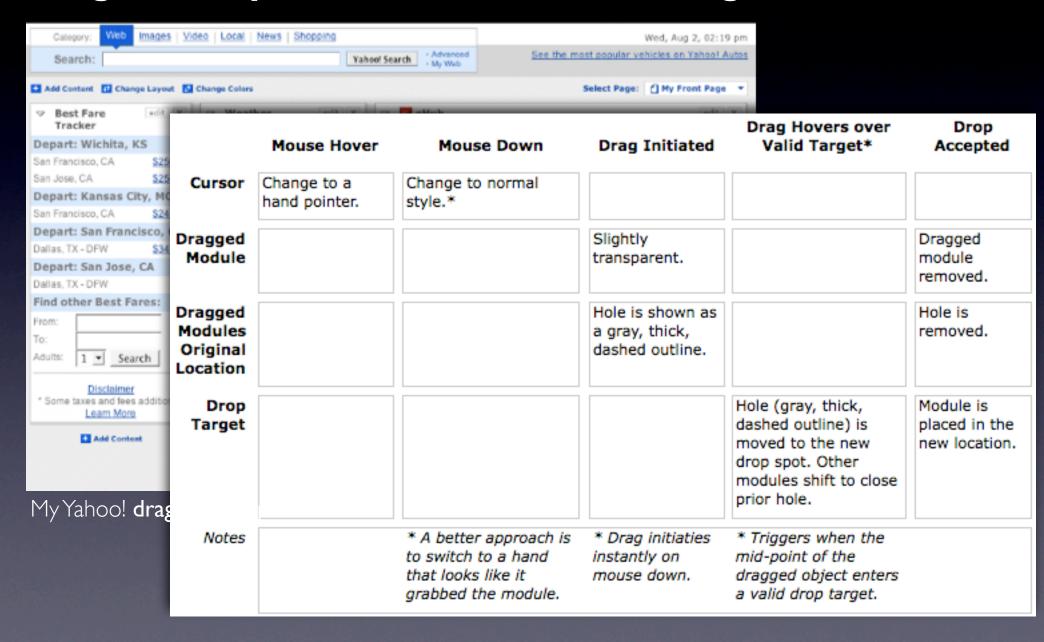
Netflix. Symmetrical Interaction





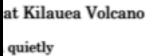






make it direct. drag and drop

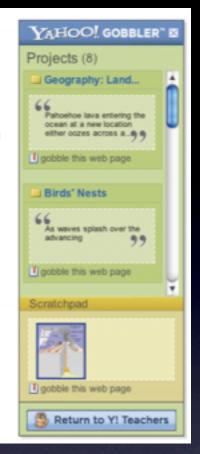
discoverability





ocean at a new location or black sand beach or spills 5 m tall. As waves splash surface of the molten tters into small, glassy rater does not become ne lava, explosions rarely est few hours of a new ocean iew up close lava entering





yahoo! teachers. hints during interesting moments

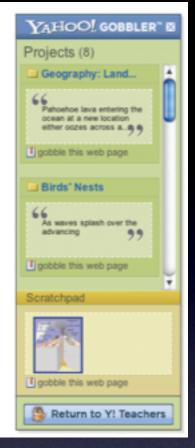
make it direct. drag and drop

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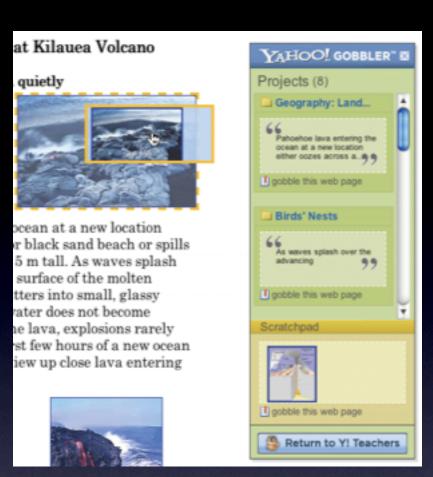




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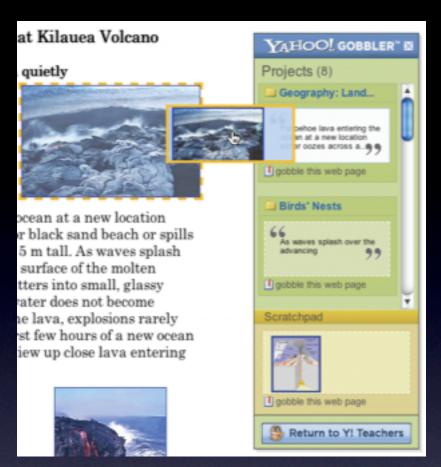
discoverability



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discoverability



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make it direct. drag and drop

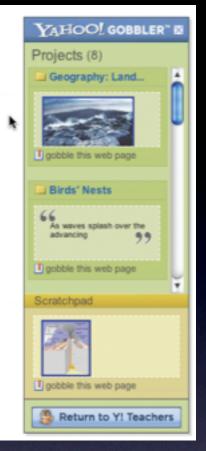
discoverability

quietly



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make it direct. drag and drop

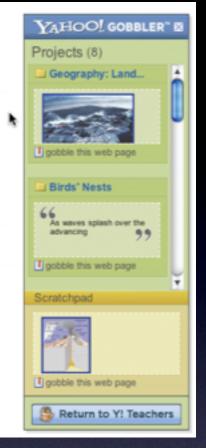
discoverability

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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



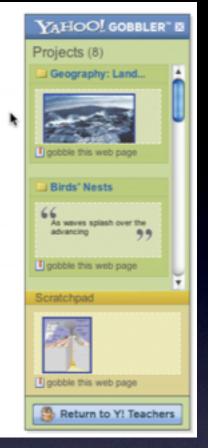
netflix. not enough hints.

quietly



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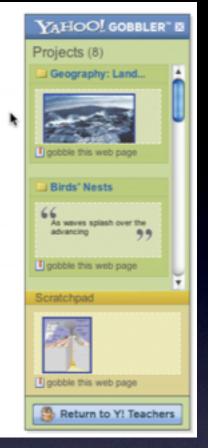
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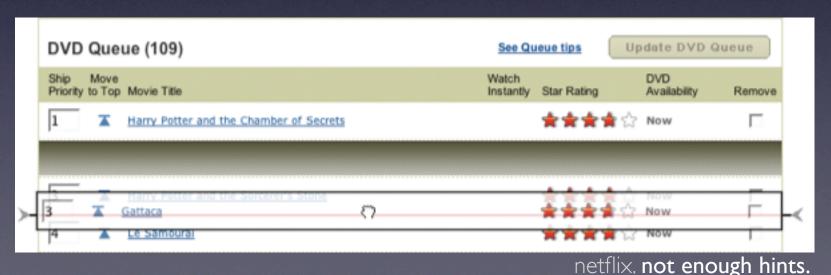




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yahoo! teachers. hints during interesting moments

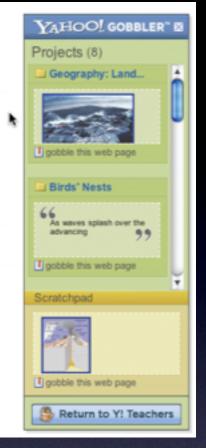


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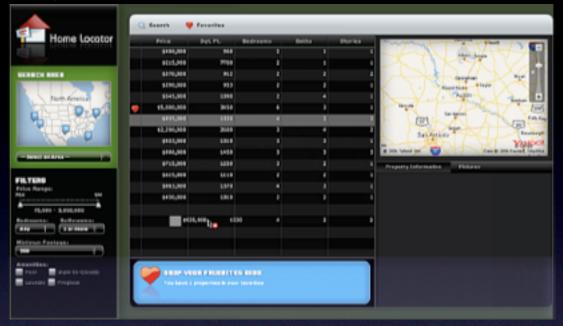
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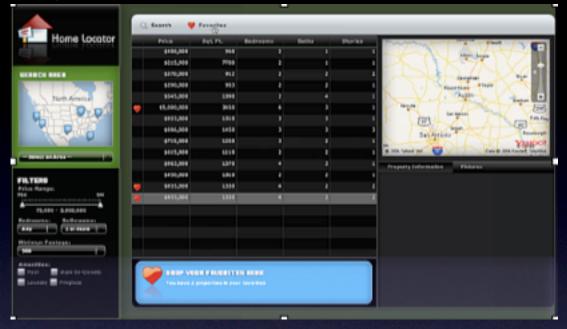
drag and drop

anti-pattern. artificial construct



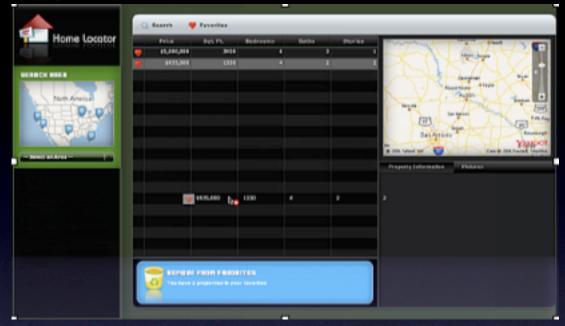
drag and drop

anti-pattern. artificial construct



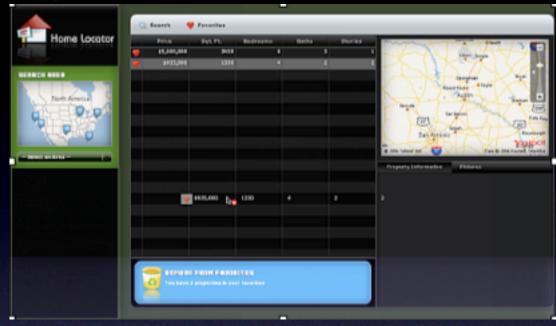
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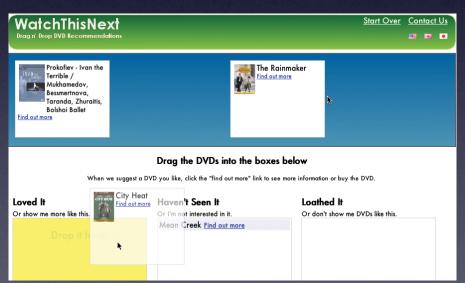
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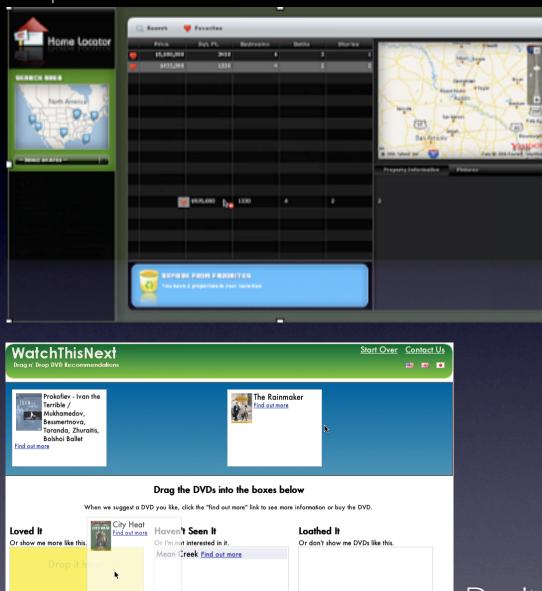
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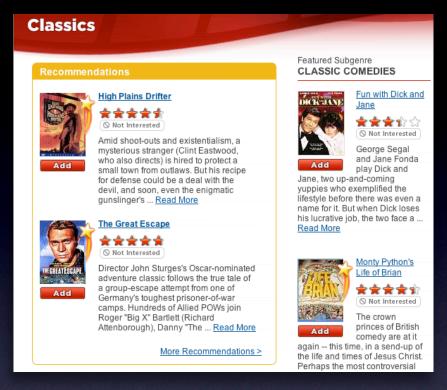




drag and drop

anti-pattern. artificial construct





drag and drop



keep it lightweight

digg. in page action

180

Are Lost's New Time-Travel Physics Junk Science? Maybe Not..

popularmechanics.com -- As if smoke monsters and tropical polar bears weren't enough to keep our heads spinning, Thursday's episode of Lost, "The Constant," opened up a whole new can of digg it h worms: the fourth dimension. More... (Television)







🗐 25 Comments 🔗 Share 💢 Bury 🧥 msaleem made popular 9 min ago

digg. in page action

185

Are Lost's New Time-Travel Physics Junk Science? Maybe Not..

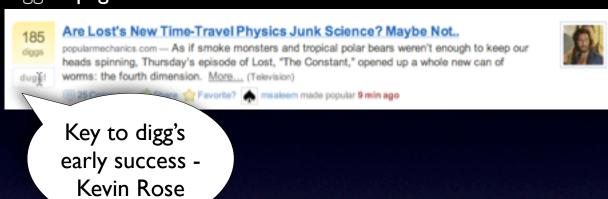
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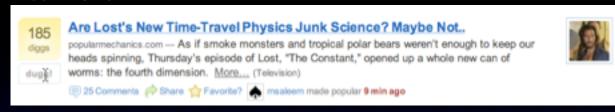


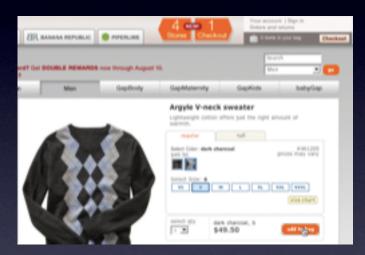
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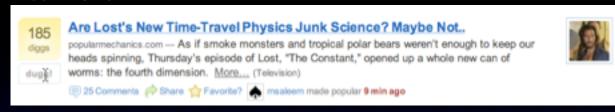


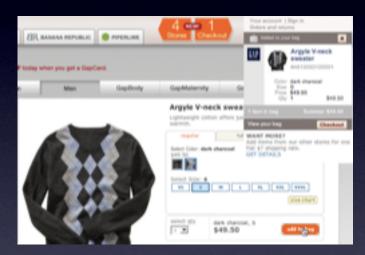






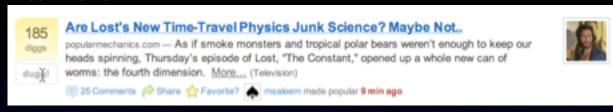
the gap. remembered collections

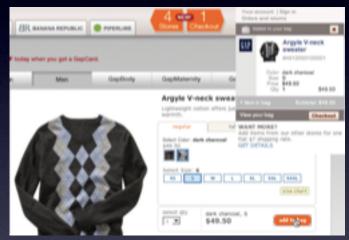


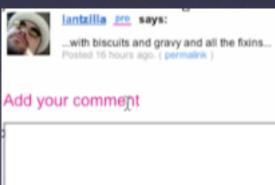


the gap. remembered collections

digg. in page action

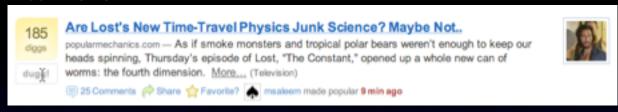


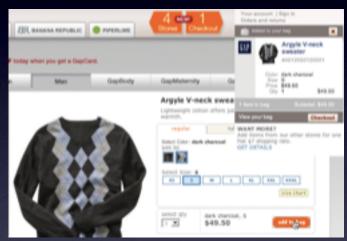


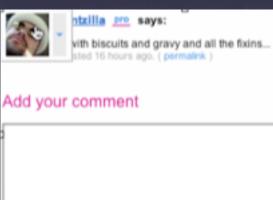


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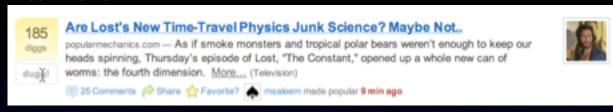


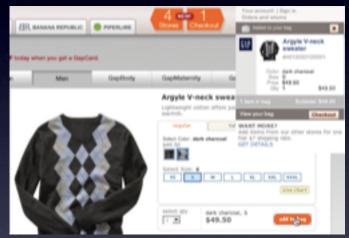


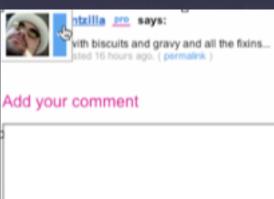


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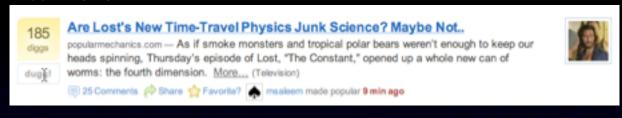






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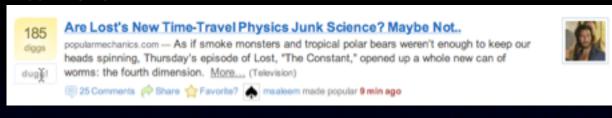


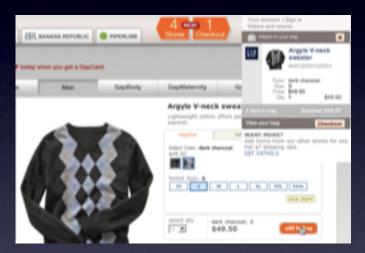




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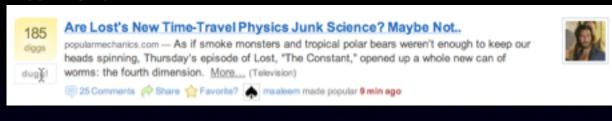


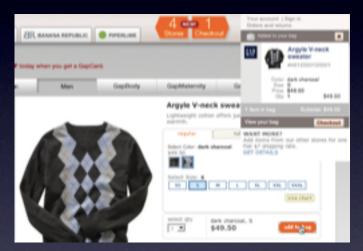


the gap. remembered collections

Pick Up at the Store
Milk
Crange Juice
Tomatoes
Lettuce
☐ Bread

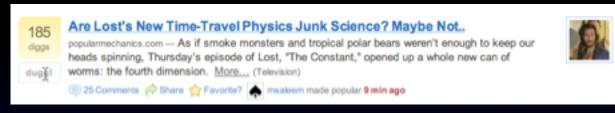
digg. in page action

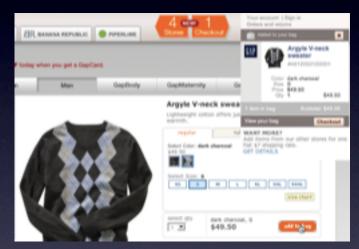


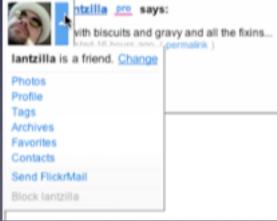




digg. in page action



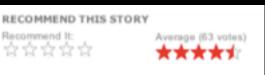


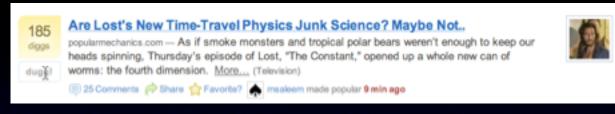


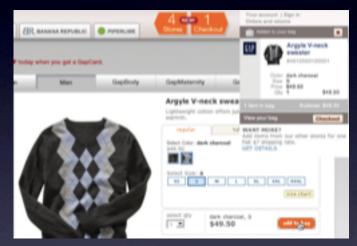
the gap. remembered collections



y! news, netflix. rating an object

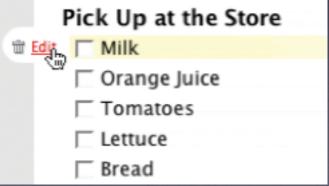






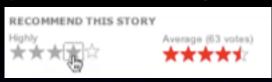


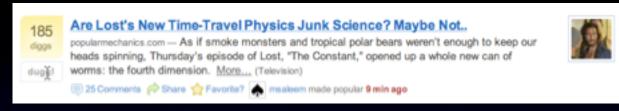
the gap. remembered collections

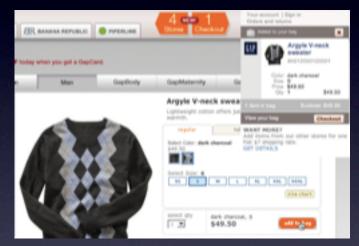


flickr, backpackit. contextual tools

y! news, netflix. rating an object

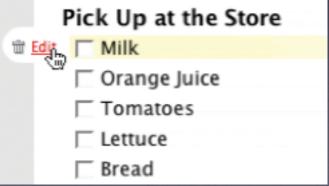








the gap. remembered collections



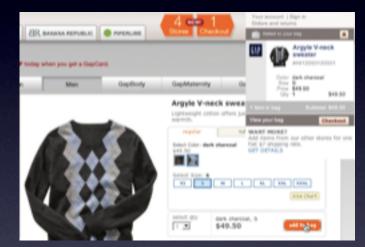
flickr, backpackit. contextual tools

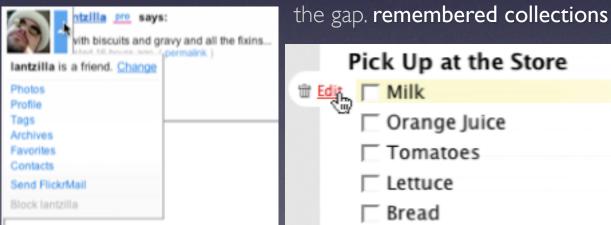
y! news, netflix. rating an object



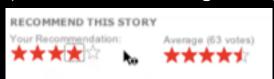
digg. in page action



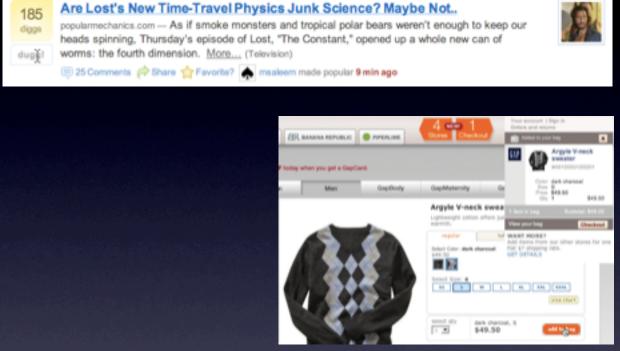




y! news, netflix. rating an object



digg. in page action



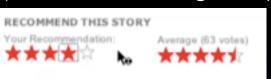
ntzilla <u>pro</u> says: vith biscuits and gravy and all the fixins... lantzilla is a friend. Change **Photos** Profile Tags Archives Favorites Contacts Send FlickrMail Block lantzilla

the gap. remembered collections



flickr, backpackit. contextual tools

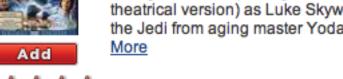
y! news, netflix. rating an object





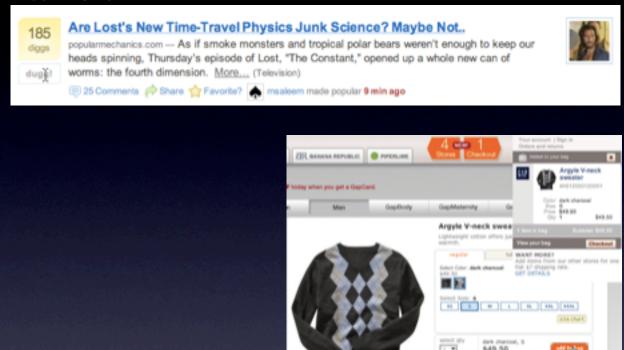
Star Wars: Episode V: The Theatrical Version (1980) PG

George Lucas's epic saga contin





digg. in page action



with biscuits and gravy and all the fixins...

Iantzilla is a friend. Change

Photos

Profile

Tags

Archives

Favorites

Contacts

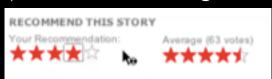
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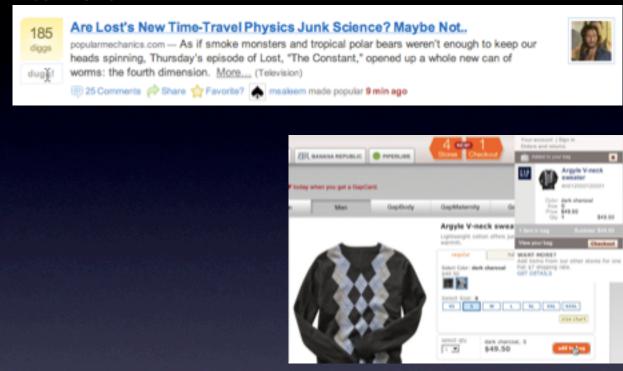


Star Wars: Episode V: The Theatrical Version (1980) PG

George Lucas's epic saga contine the atrical version) as Luke Skyw the Jedi from aging master Yoda More



digg. in page action



Intzilla pro says:

vith biscuits and gravy and all the fixins...

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Contacts

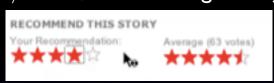
Send FlickrMail

Block lantzilla

the gap. remembered collections



y! news, netflix. rating an object



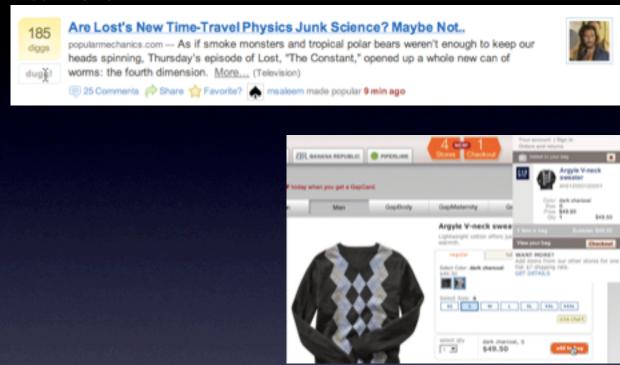


Star Wars: Episode V: The Theatrical Version (1980) PG

George Lucas's epic saga contine the atrical version) as Luke Skyw the Jedi from aging master Yoda More



digg. in page action



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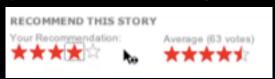
Send FlickrMail

Block lantzilla

the gap. remembered collections



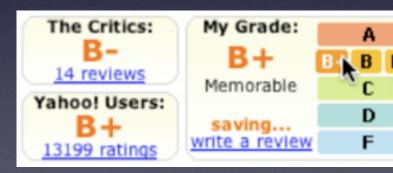
y! news, netflix. rating an object





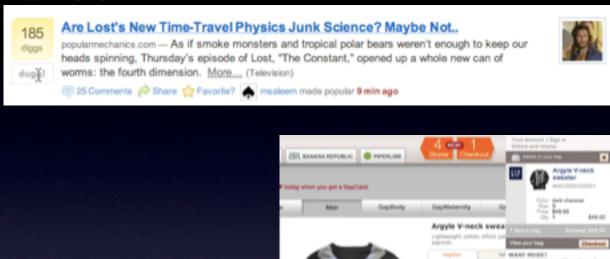
Star Wars: Episode V: The Theatrical Version (1980) PG

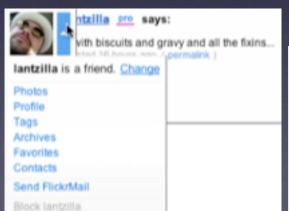
George Lucas's epic saga contine the atrical version) as Luke Skyw the Jedi from aging master Yoda More



y! movies, y! answers. rating an object

digg. in page action

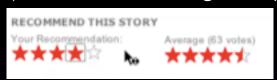




the gap. remembered collections



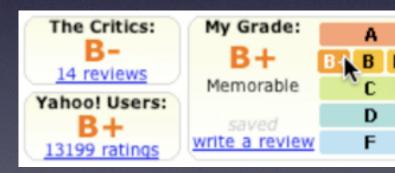
y! news, netflix. rating an object





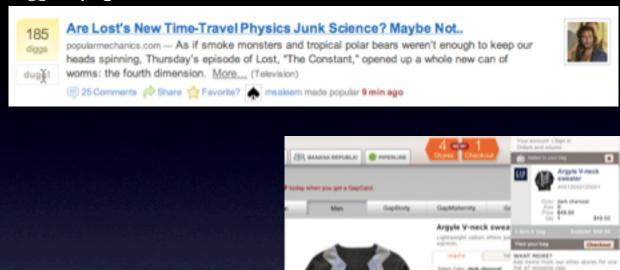
Star Wars: Episode V: The Theatrical Version (1980) PG

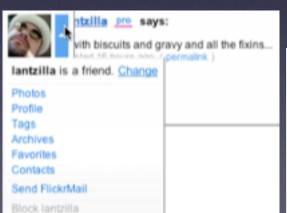
George Lucas's epic saga contine the atrical version) as Luke Skyw the Jedi from aging master Yoda More



y! movies, y! answers. rating an object

digg. in page action



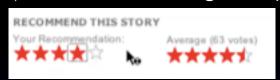


the gap. remembered collections



flickr, backpackit. contextual tools

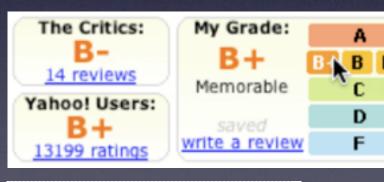
y! news, netflix. rating an object





Star Wars: Episode V: The Theatrical Version (1980) PG

George Lucas's epic saga contine the atrical version) as Luke Skyw the Jedi from aging master Yoda More



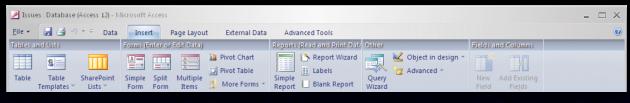
Answer hidden due to its low rating Show

Total rating: -16 32 48 48

y! movies, y! answers. rating an object

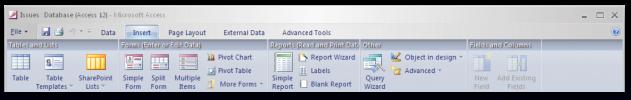
Same as context menus
Only good for single objects
Can actually slow you down

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





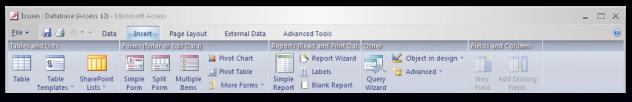
Same as context menus
Only good for single objects
Can actually slow you down





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

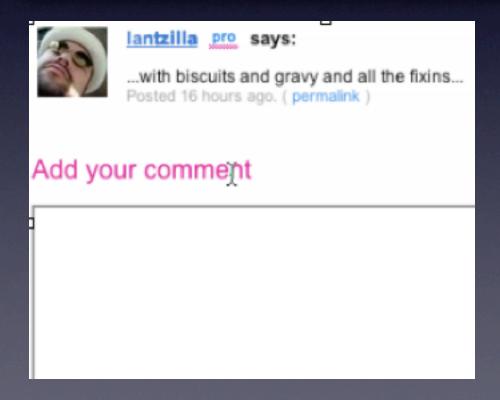
Same as context menus
Only good for single objects
Can actually slow you down



Edit Edit



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

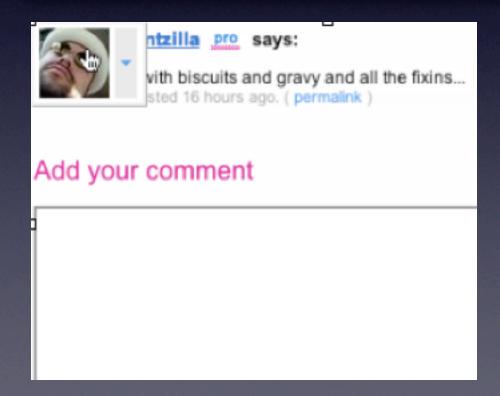


Same as context menus Only good for single objects Can actually slow you down

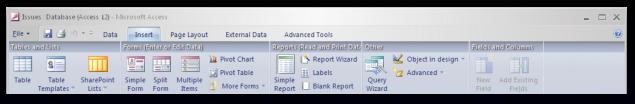




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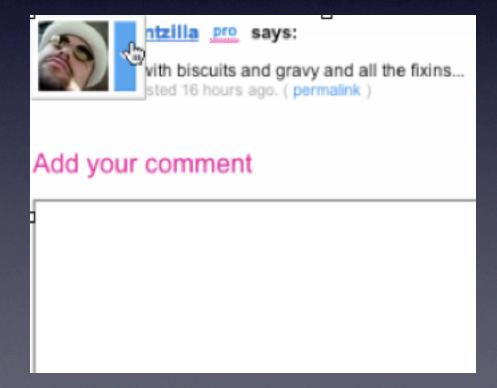


Same as context menus
Only good for single objects
Can actually slow you down

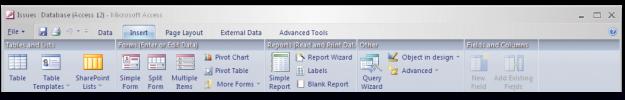




Complete: Internet Strategy Group Talk - Webcast - Sep. 14 (Th) Edit + St up webex meeting Try for webex; set up webex experiement Add an item



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





Complete: Internet Strategy Group Talk - Webcast - Sep. 14 (Th)

Edit + Set up webex meeting

Try for webex; set up webex experiement

Add an item

vith biscuits and gr	ravy and all the fixins
lantzilla is a friend. Change	
Photos Profile Tags Archives	
Favorites Contacts	
Send FlickrMail	
Block lantzilla	

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



Open
Explore
Search...
Sharing and Security...
Scan with AVG Free
Format...
Eject
Cut
Copy
Create Shortcut
Rename
Properties

	Complete: Internet Strategy Group Talk - Webcast - Sep. 14 (Th)
⊞ <u>Edit</u>	⊕ Set up webex meeting
	□ Try for webex; set up webex experiement
	Add an Item

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Photos Profile Tags Archives Favorites Contacts	
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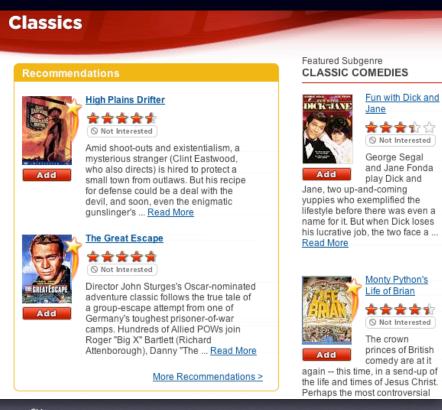
Aug tein Medidei
Pick Up at the Store
Corange Juice2
Tomatoes
□ 🎉 Lettuce
☐ Bread
Chips
Add item Reorder
▼ 並 Milk
Make a new list Reorder lists
Remove from sidebar, Delete this page, Emai
Send email to this page: miles12betty@b

Remove the "pain points"

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

Remove the "pain points"

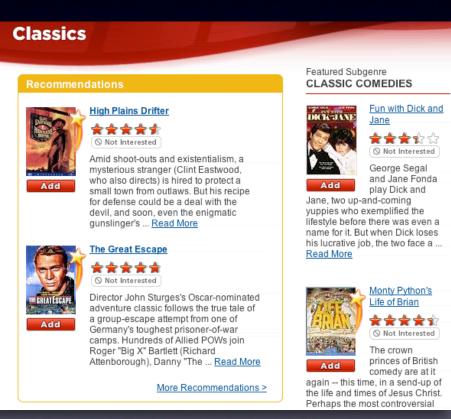
Shorten the path Keep actions immediate and light Use hover, blur, focus; avoid heavy events

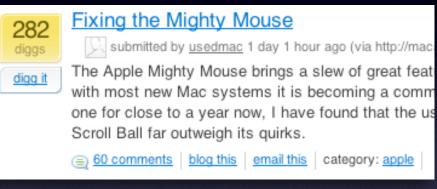


netflix. ratings

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



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...

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



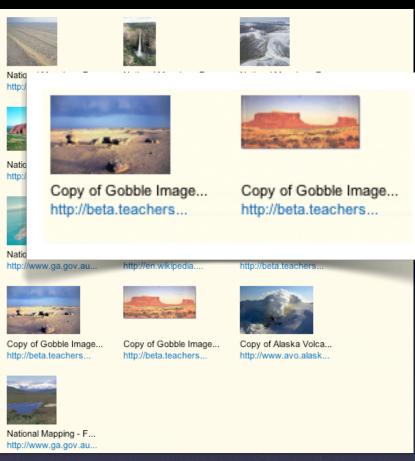


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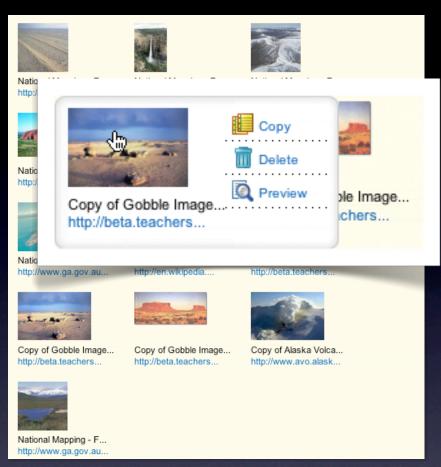
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http://beta.teachers...

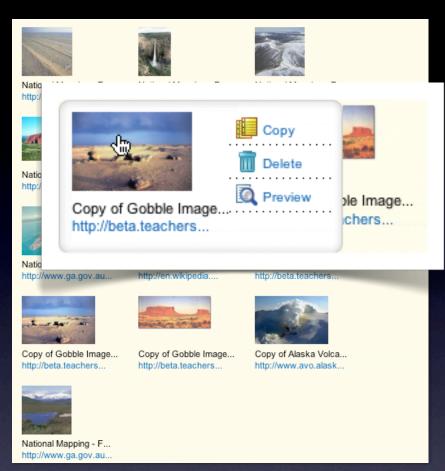




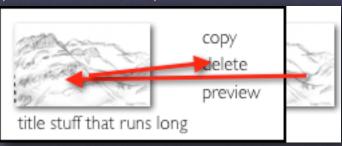
y! teachers. anti-pattern. hover & cover

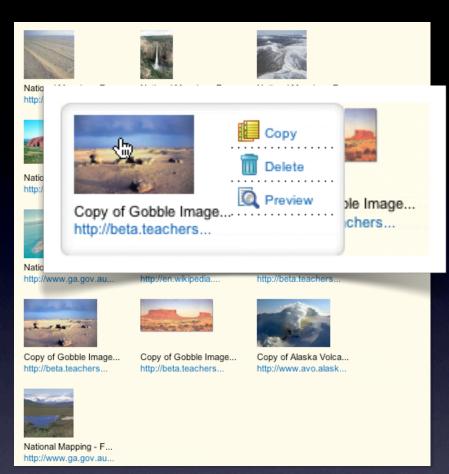


y! teachers. anti-pattern. hover & cover



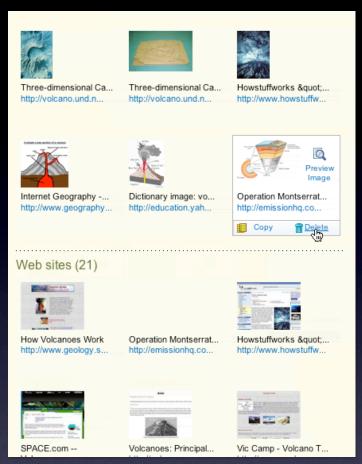
y! teachers. anti-pattern. hover & cover



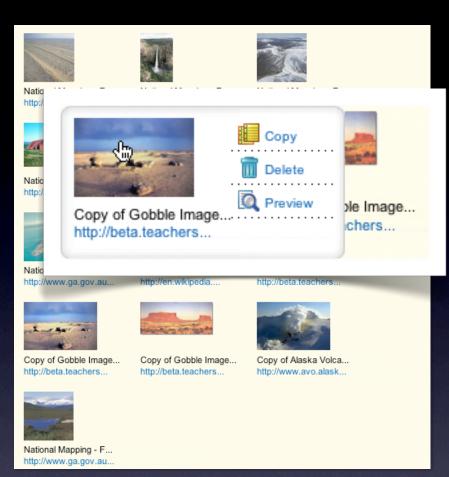


y! teachers. anti-pattern. hover & cover

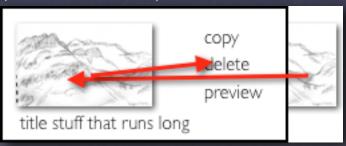




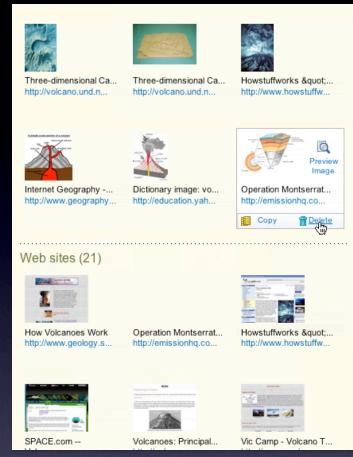
y! teachers. anti-pattern. hover & cover. resolved



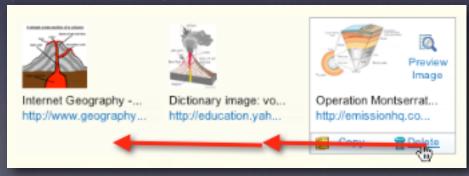
y! teachers. anti-pattern. hover & cover

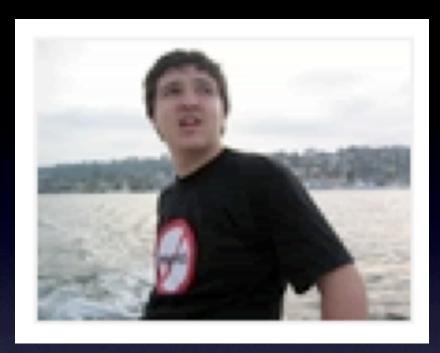


keep it lightweight. anti-patterns

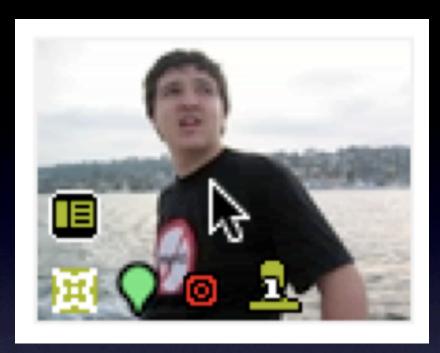


y! teachers. anti-pattern. hover & cover. resolved

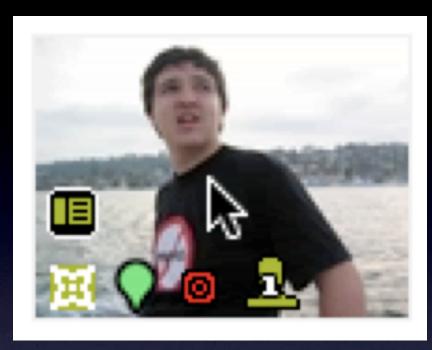




zooomr. anti-pattern. mystery meat



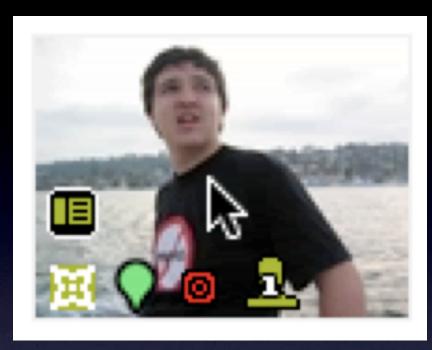
zooomr. anti-pattern. mystery meat



zooomr. anti-pattern. mystery meat



y! teachers. anti-pattern. tiny targets



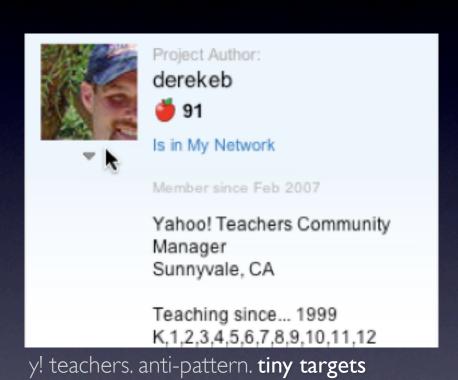
zooomr. anti-pattern. mystery meat



y! teachers. anti-pattern. tiny targets



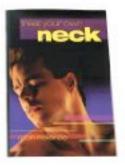
zooomr. anti-pattern. mystery meat



Ambiguity between hover & click (clicking arrow does 2 things)

Continue shopping: Customers Who Bought Items in Your Recent History Also Bought Page 1 of 17

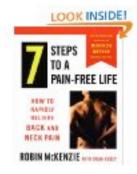




Treat Your Own Neck 4th Ed

by Robin Mckenzie

↑ \$10.00



7 Steps to a Pain-Free
Life: H...

by Robin
McKenzie

(72) \$11.56



Talent Is Not Enough:
Business S...

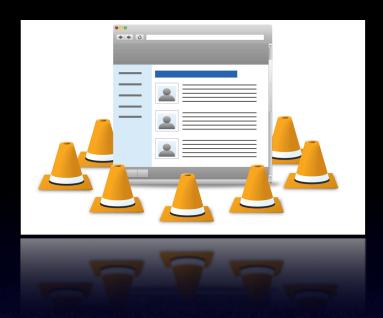
by Shel
Perkins

(3) \$26.39

design management (Books)

Top of Page

kon.com®



stay on the page

stay on the page. overlay

overlays

dialog overlay detail overlay input overlay

considerations

lightbox effect modality activation





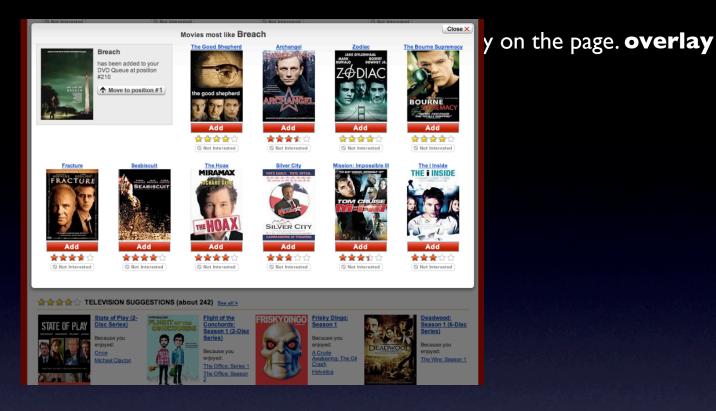


overlays

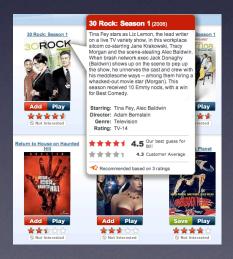
dialog overlay detail overlay input overlay

considerations

lightbox effect modality activation







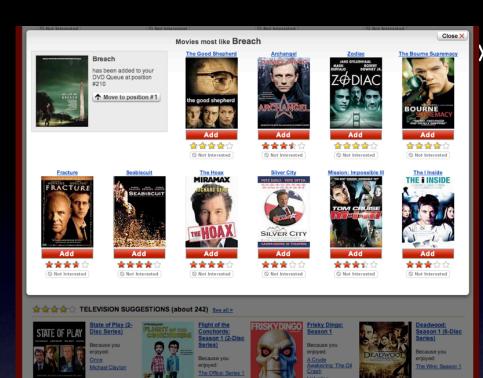
overlays

dialog overlay detail overlay input overlay

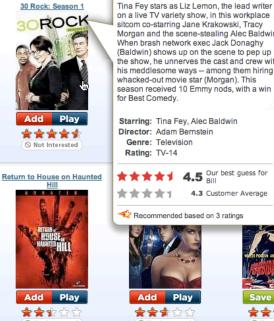
considerations

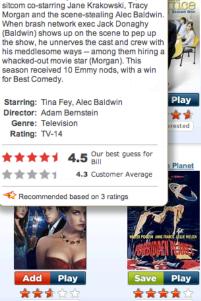
lightbox effect modality activation





y on the page. **overlay**





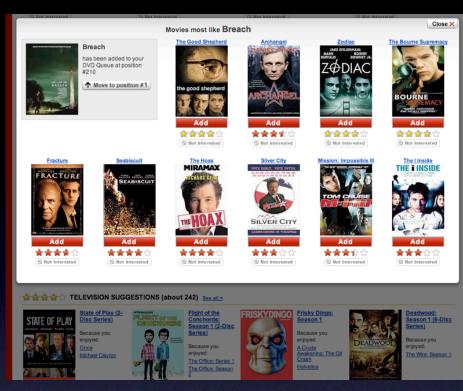
30 Rock: Season 1 (2006)

overlays

dialog overlay detail overlay input overlay

considerations

lightbox effect modality activation

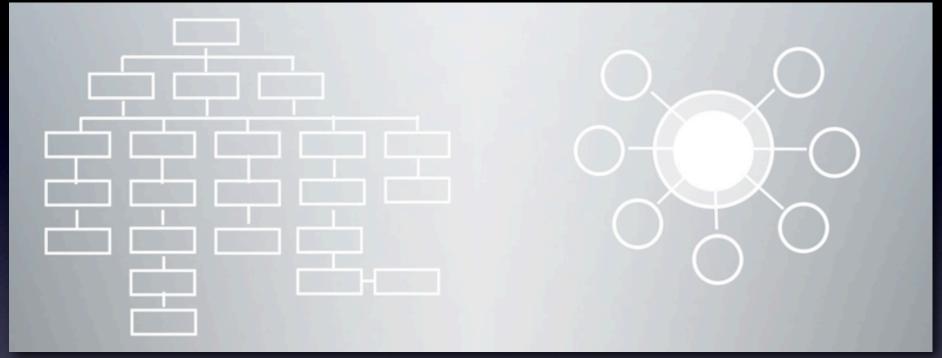


30 Rock: Season 1 (2006) Tina Fey stars as Liz Lemon, the lead writer 30 Rock: Season 1 on a live TV variety show, in this workplace ROCK sitcom co-starring Jane Krakowski, Tracy Morgan and the scene-stealing Alec Baldwin. When brash network exec Jack Donaghy (Baldwin) shows up on the scene to pep up 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**



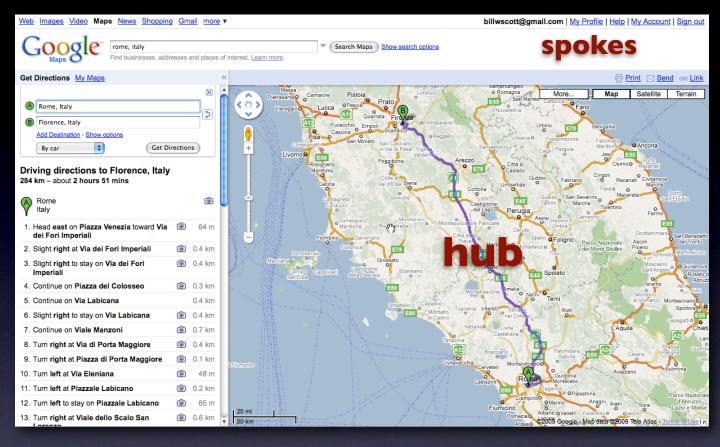
Shift to "Stay in the Page"



Hagen-Rivers Report. http://www.uie.com/articles/rivers_interview/

shift away from paging paradigm eliminate unneccessary navigation map screen flow directly to user tasks

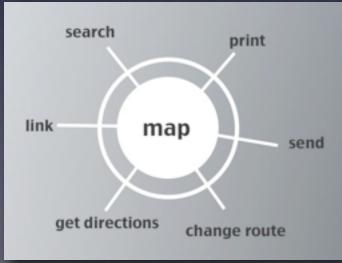
one-screen-per-goal philosophy



emphasizes visual communication

de-emphasizes navigation and extraneous tasks

stay on the page experience



stay on the page. **overlay**



anti-pattern. y! photos. idiot boxes



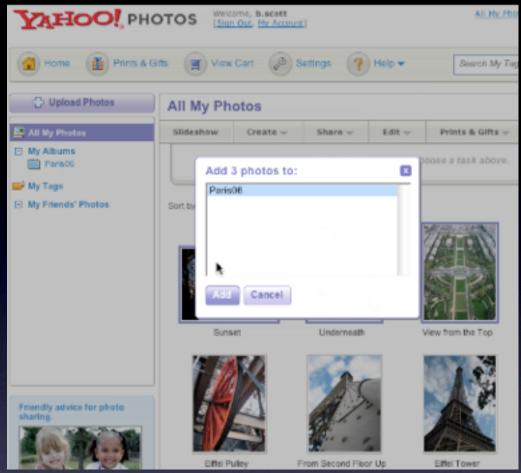
anti-pattern. y! photos. idiot boxes



anti-pattern. y! photos. idiot boxes



anti-pattern. y! photos. idiot boxes



anti-pattern. y! photos. idiot boxes



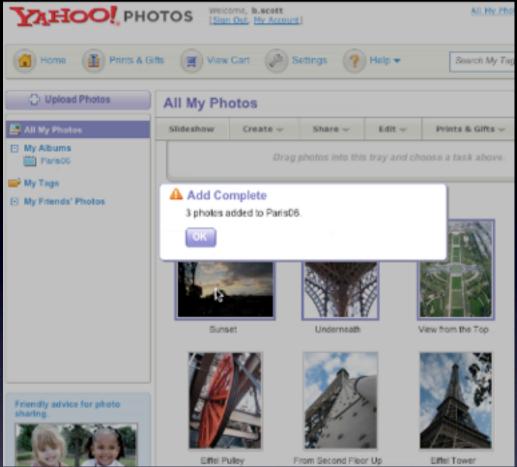
anti-pattern. y! photos. idiot boxes



anti-pattern. y! photos. idiot boxes



anti-pattern. y! photos. idiot boxes



anti-pattern. y! photos. idiot boxes



anti-pattern. barnes & nobles. hover & cover



anti-pattern. y! photos. idiot boxes



anti-pattern. barnes & nobles. hover & cover



anti-pattern. y! photos. idiot boxes





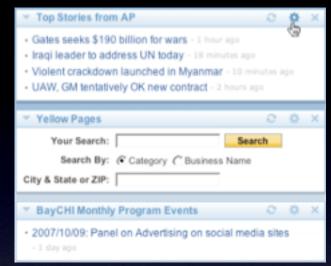
anti-pattern. barnes & nobles. hover & cover



anti-pattern. amazon. mouse trap

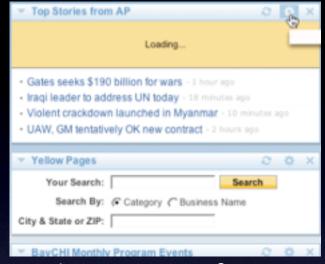
inlays

inlays



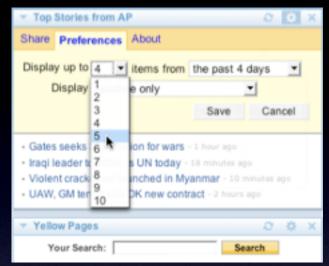
my y!. in-context configuration

inlays



my yl. in-context configuration

inlays



my y!. in-context configuration

inlays



my yl. in-context configuration

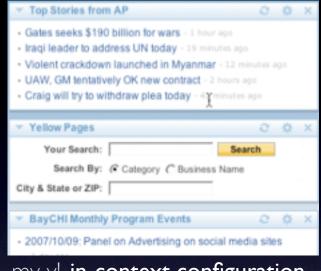
inlays



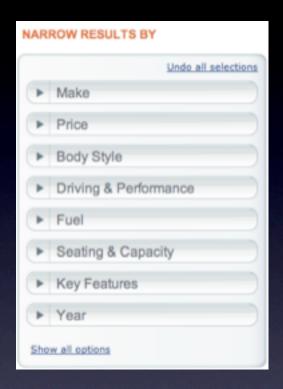
my y!. in-context configuration

inlays

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

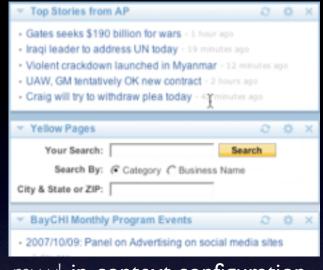


my y!. in-context configuration

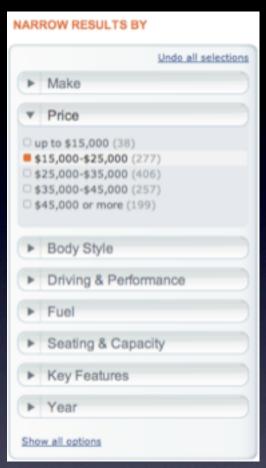


y! autos. accordion

inlays



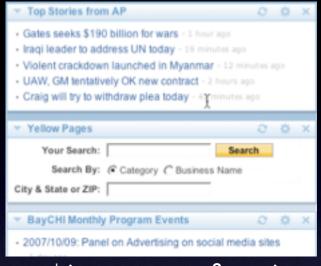
my y!. in-context configuration



y! autos. accordion

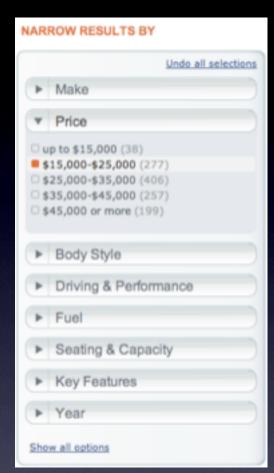
inlays

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



my y!. in-context configuration

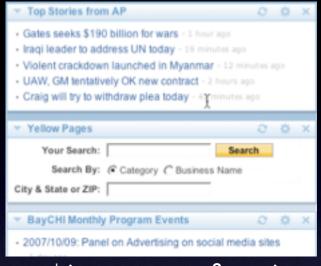




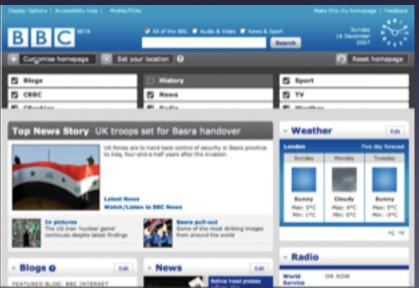
y! autos. accordion

bbc. in-context configuration

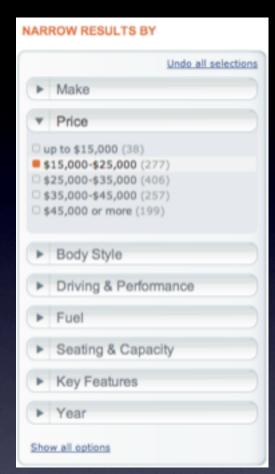
inlays



my y!. in-context configuration

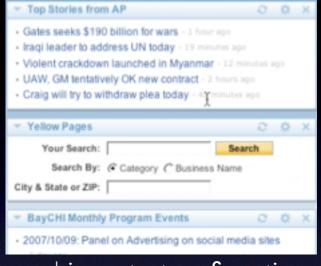


bbc. in-context configuration



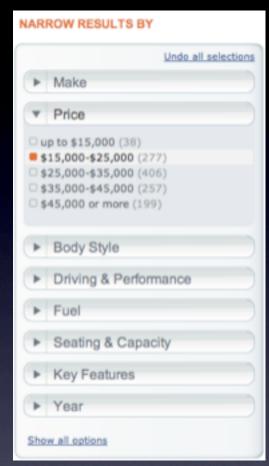
y! autos. accordion

inlays



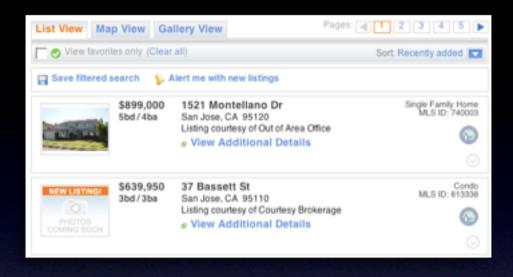
my y!. in-context configuration

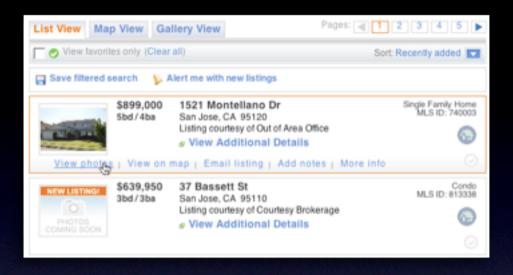


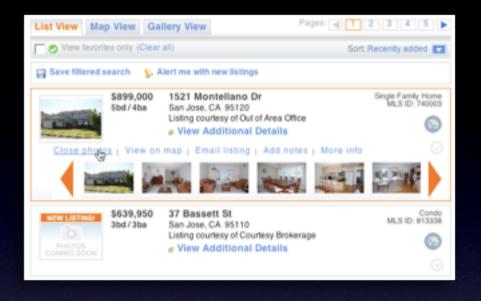


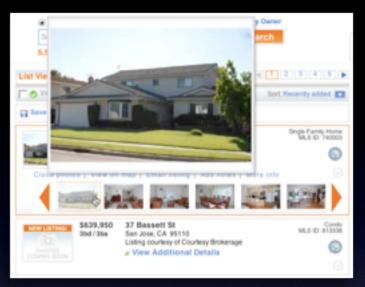
y! autos. accordion

bbc. in-context configuration

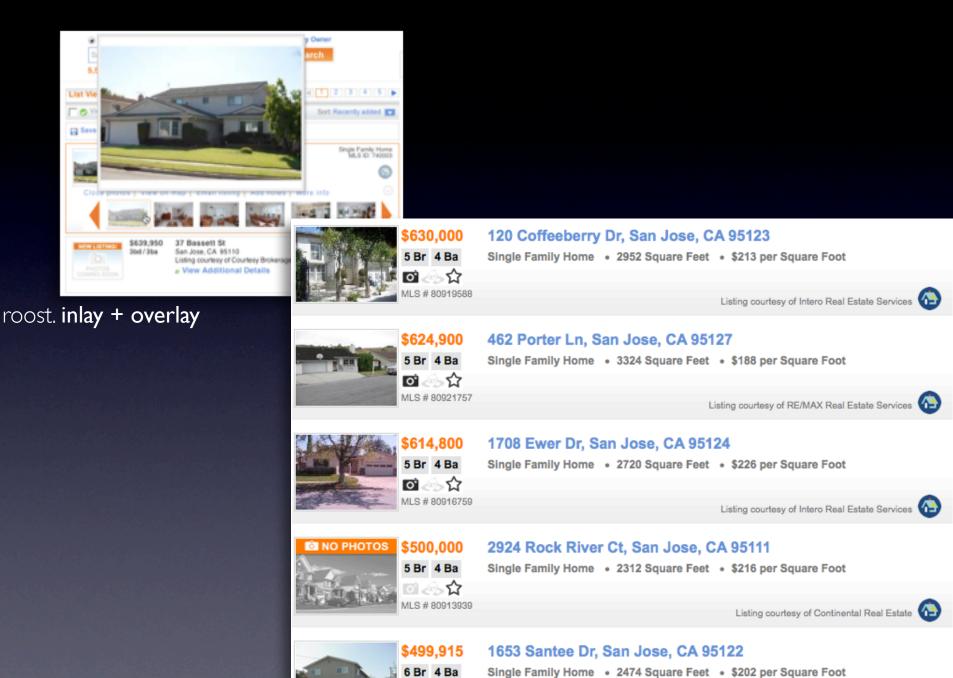








roost. inlay + overlay



roost. all inlays

Rethink paging

mlslistings. pagination



Rethink paging

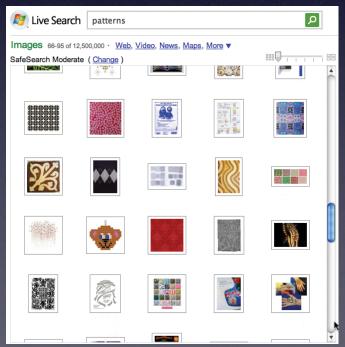
mlslistings. pagination



Rethink paging

mlslistings. pagination

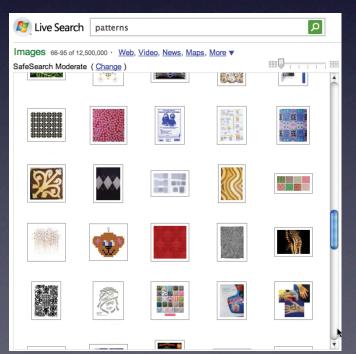




microsoft live. paged scrolling

Rethink paging





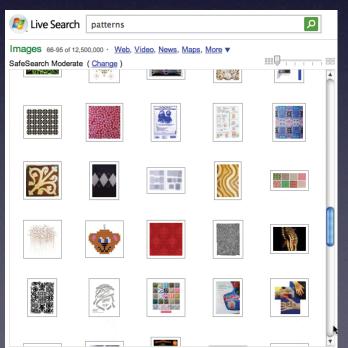
Rethink paging

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

y! health. carousel

microsoft live. paged scrolling





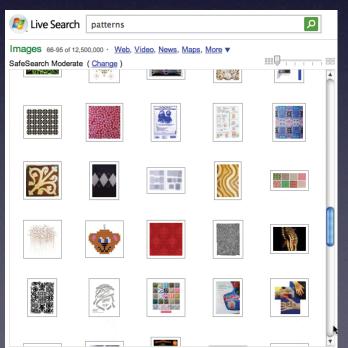
Rethink paging

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

y! health. carousel

microsoft live. paged scrolling





Rethink paging

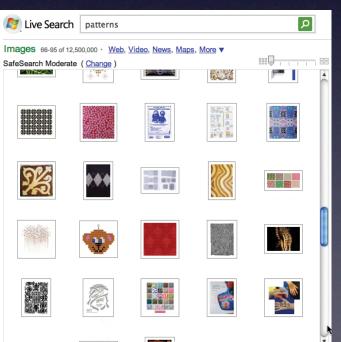
use scrolling for "owned" data watch out for dual scroll bar issue hybrid paging & scrolling

y! health. carousel

Sprouts and Transled

microsoft live. paged scrolling



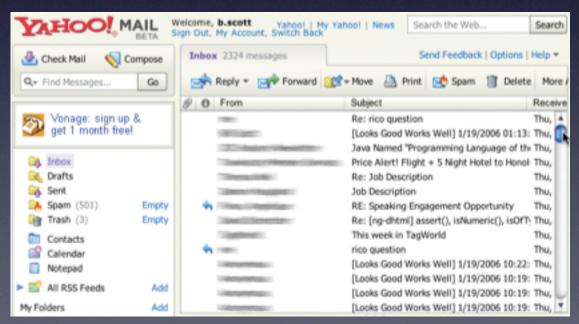


Rethink paging

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

y! health. carousel

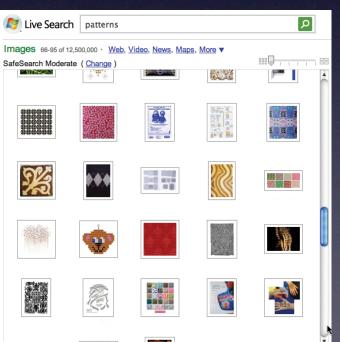
Sprouts and Transled



y! mail. on-demand scrolling

mlslistings. pagination





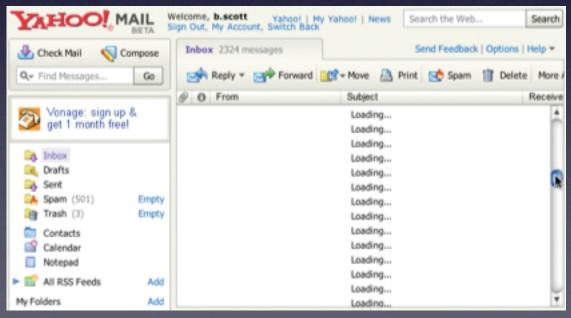
Rethink paging

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

y! health. carousel

Sprouts and Transled

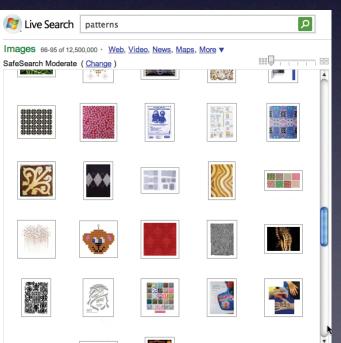
FEATURED RECIPES



y! mail. on-demand scrolling

mlslistings. pagination





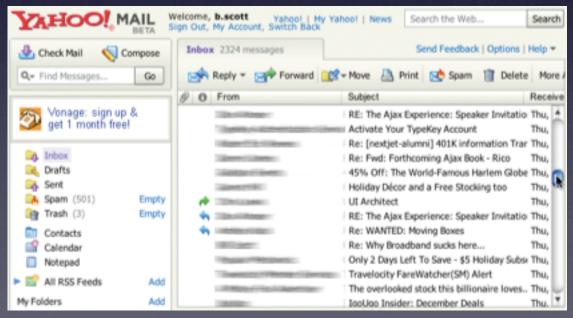
Rethink paging

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

y! health. carousel

Sprouts and Transled

FEATURED RECIPES

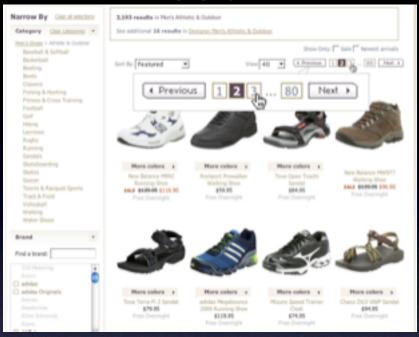


y! mail. on-demand scrolling

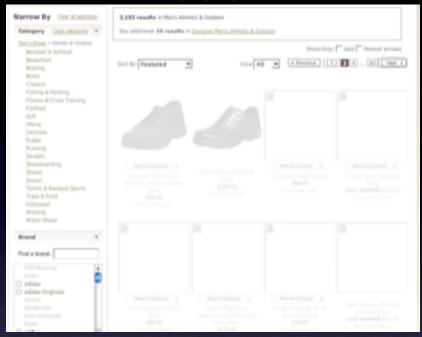
stay on the page. **virtual**

Rethink paging

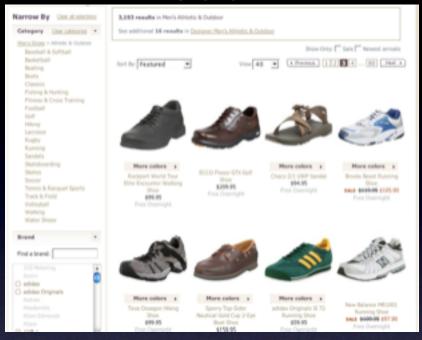
in-place paging zoomable user interface (zui)



stay on the page. virtual



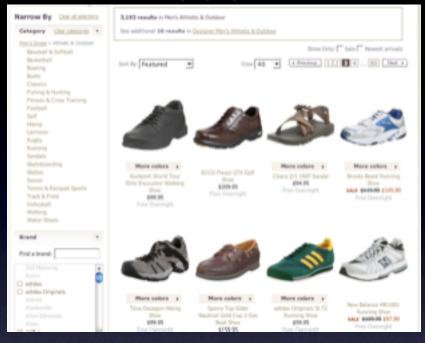
stay on the page. virtual



stay on the page. virtual

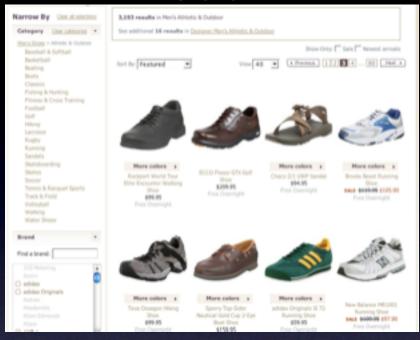
stay on the page. virtual

endless. seamless paging





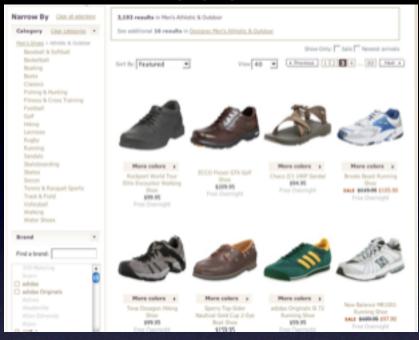
hard rock cafe. zui





hard rock cafe. zui

stay on the page. virtual



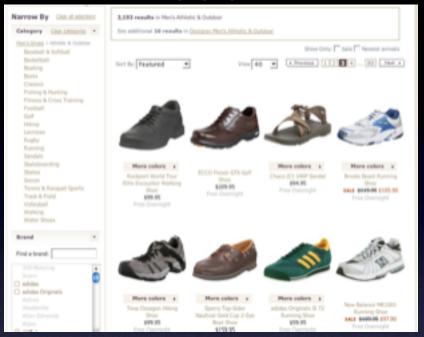


hard rock cafe. zui

stay on the page. virtual

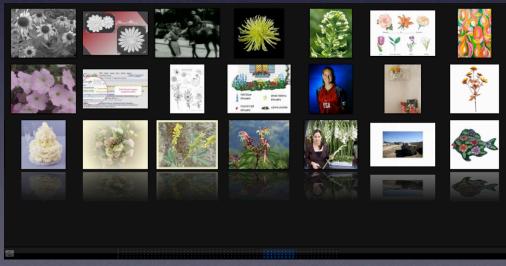
stay on the page. virtual

endless. seamless paging





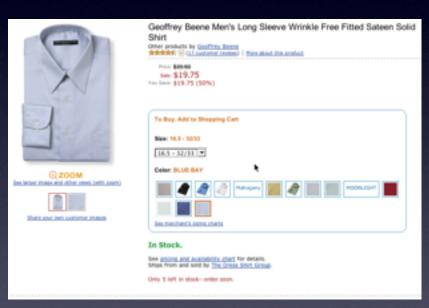




cool iris (piclens). zui

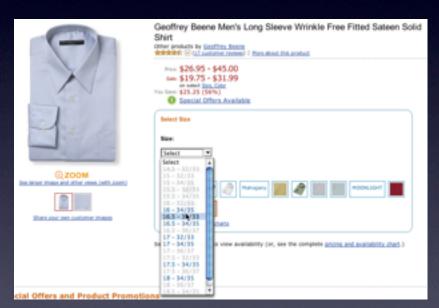
rethink process flows

rethink process flows



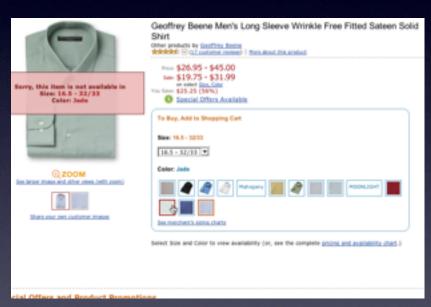
the gap. inline assistant

rethink process flows



the gap. inline assistant

rethink process flows

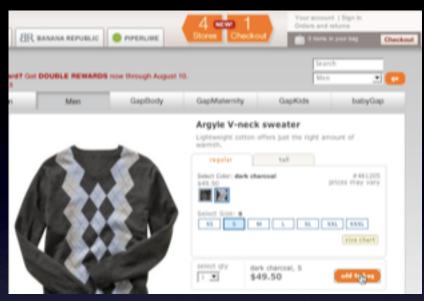


the gap. inline assistant

rethink process flows

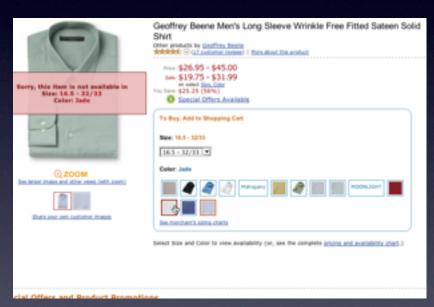


the gap. inline assistant

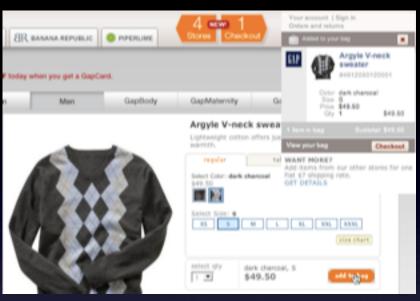


the gap. inline checkout

rethink process flows



the gap. inline assistant

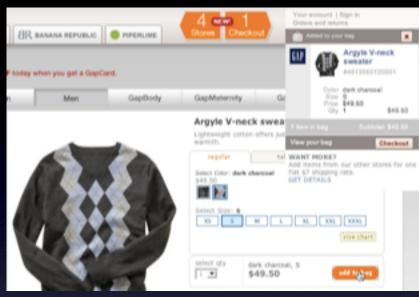


the gap. inline checkout

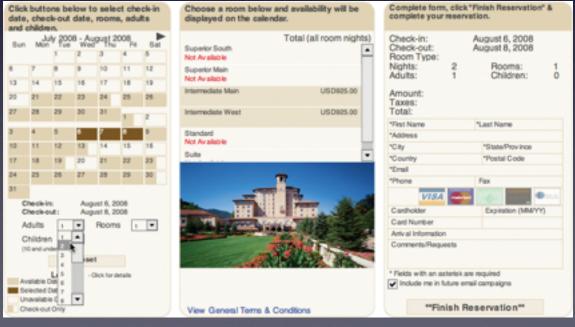
rethink process flows



the gap. inline assistant

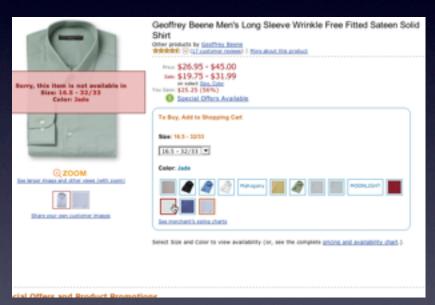


the gap. inline checkout

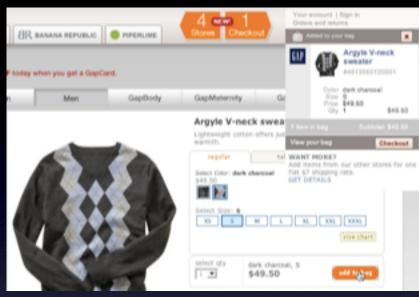


broadmoor hotel. one page checkout

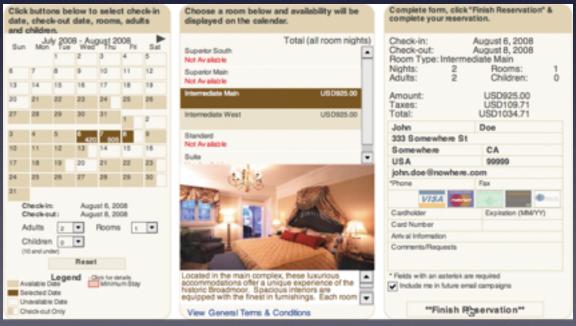
rethink process flows



the gap. inline assistant



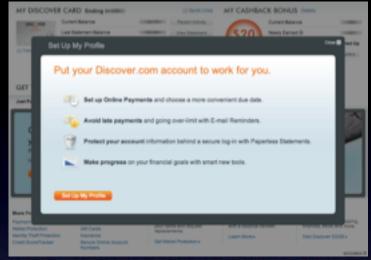
the gap. inline checkout



broadmoor hotel. one page checkout

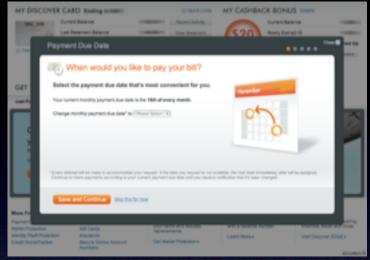
step by step?

step by step?



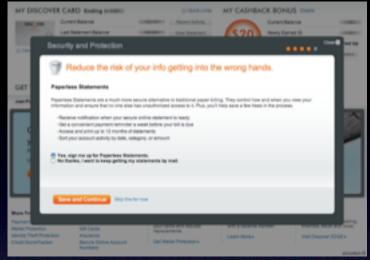
discover card. step by step

step by step?



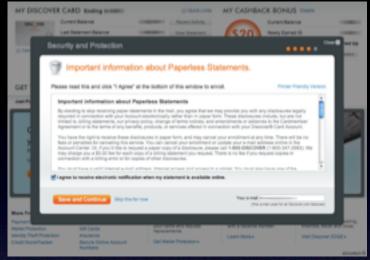
discover card. step by step

step by step?



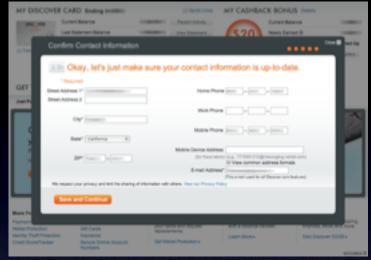
discover card. step by step

step by step?



discover card. step by step

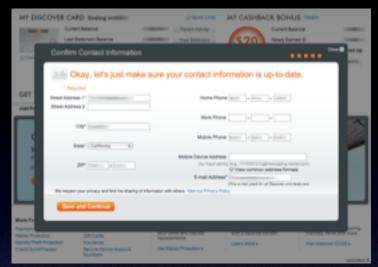
step by step?



discover card. step by step

step by step?

yes, sometimes works best

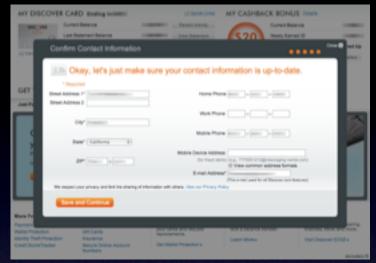


discover card. step by step

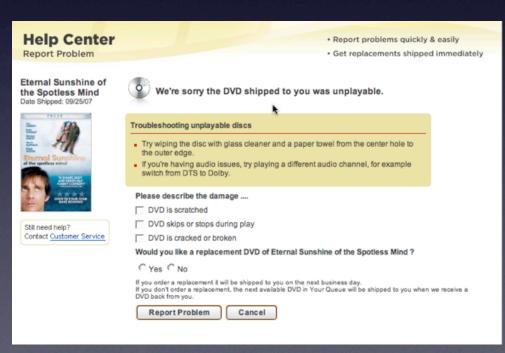


step by step?

yes, sometimes works best



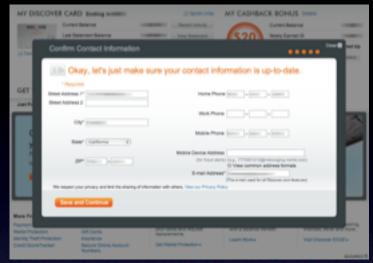
discover card. step by step



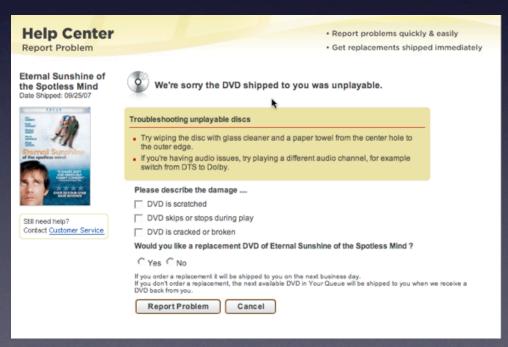
netflix. step by step

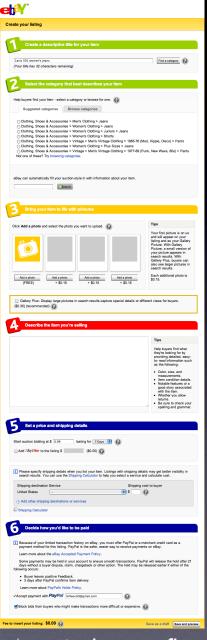
step by step?

yes, sometimes works best



discover card. step by step





ebay. single page flow



anti-pattern. y! photos. idiot boxes

stay on the page. anti-patterns



anti-pattern. y! photos. idiot boxes

stay on the page. anti-patterns



anti-pattern. borders. hover & cover

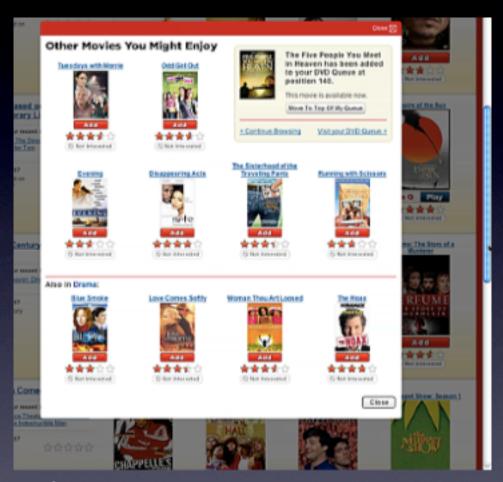




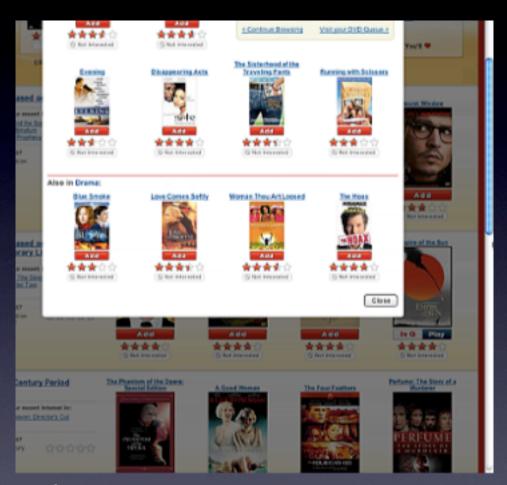
anti-pattern. y! photos. idiot boxes



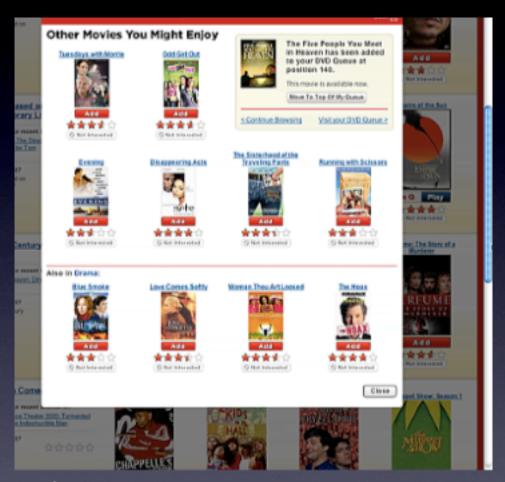
anti-pattern. amazon. mouse trap



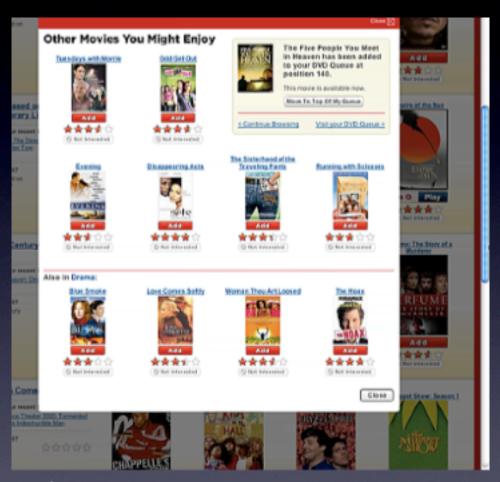
netflix. stalker overlay



netflix. stalker overlay



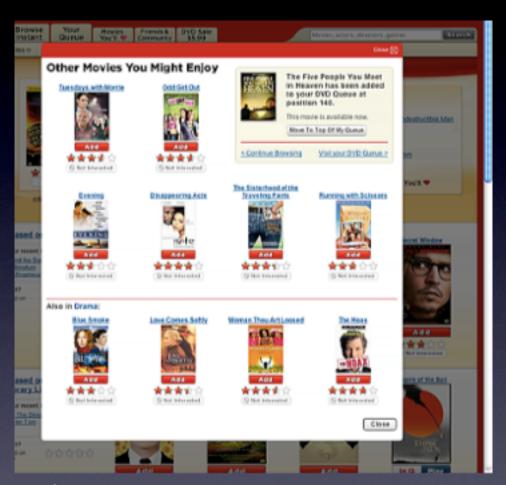
netflix. stalker overlay



netflix. stalker overlay

stay on the page. anti-patterns

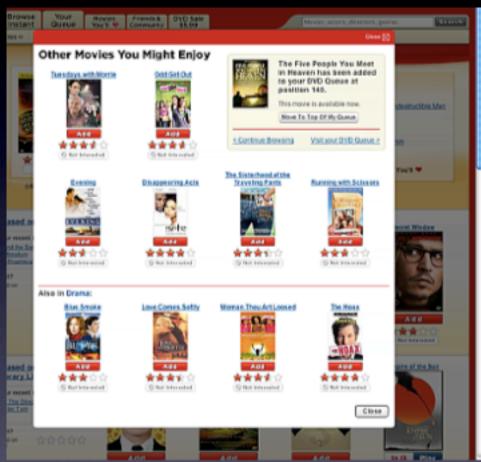
the answer is in testing



netflix. stalker overlay

stay on the page. anti-patterns

the answer is in testing



netflix. stalker overlay



netflix. simpler overlay



offer an invitation

unfinished look

dog-ear blank slots blank slate

unfinished look

dog-ear blank slots blank slate

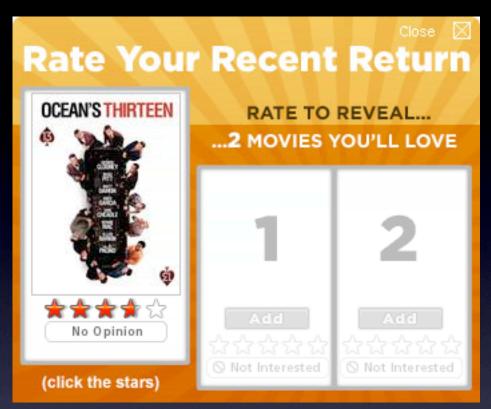
ase verify ır password	Protect M Accour
Yahoo! ID: b.sc	cott
Password:	
	Sign In Why this is secure
Forget	your ID or password? Sign-in help
b.scott? n in as a differe	nt user.

yahoo login! dog-ear invite

unfinished look

dog-ear blank slots blank slate

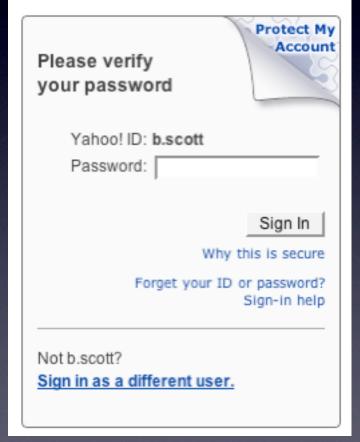
Please verify your password	Protect My Accoun
Yahoo! ID: b.scott	
Password:	
	Sign In Why this is secure r ID or password? Sign-in help
Not b.scott? Sign in as a different us	ser.



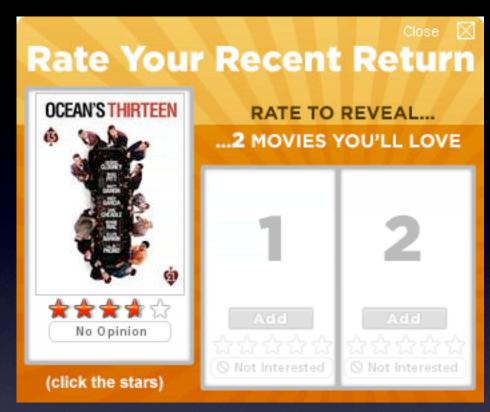
netflix. rate invitiation (blank slots)

unfinished look

dog-ear blank slots blank slate



yahoo login! dog-ear invite



netflix. rate invitiation (blank slots)

Add a List, Note, Writeboard, Divider, or add Tags

My Own Page

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

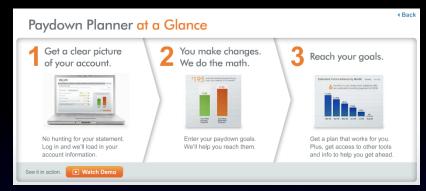
backpackit. blank slate invitation

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



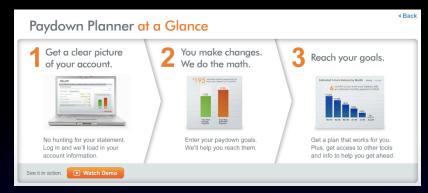
discover! I-2-3 call to action



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

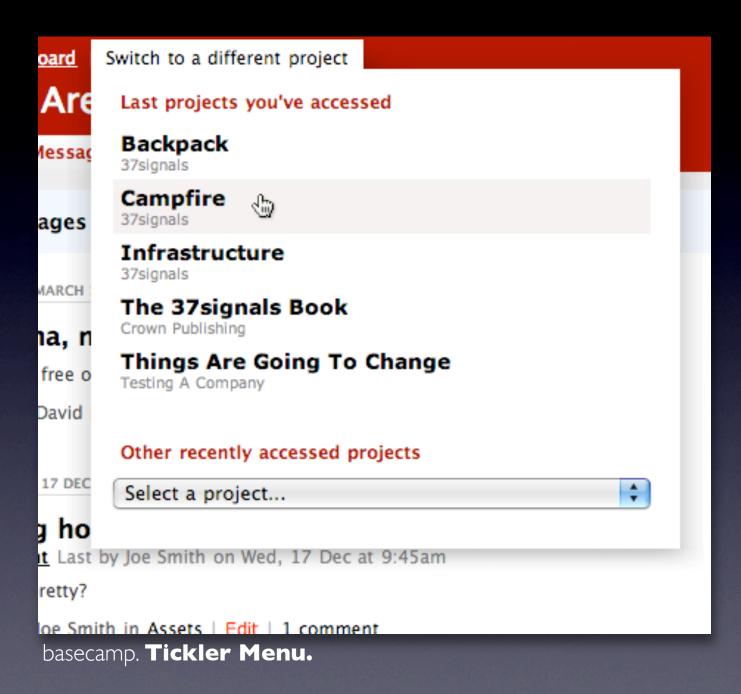


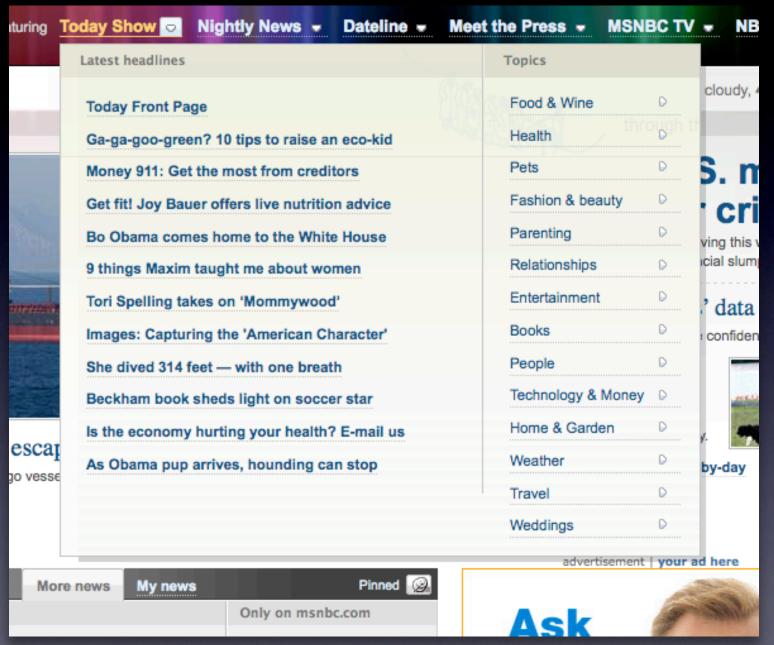
starz play! sneak peek in carousel





talkeetnaviaggi.it. navigation invitation





msnbc.com. Page as Menu.

discoverability

invitations

discoverability invitations



What are you doing right now?

facebook. prompt-based invitation

discoverability invitations

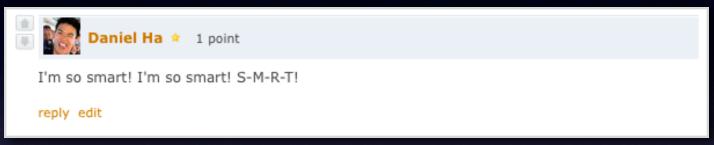


facebook. prompt-based invitation

discoverability invitations



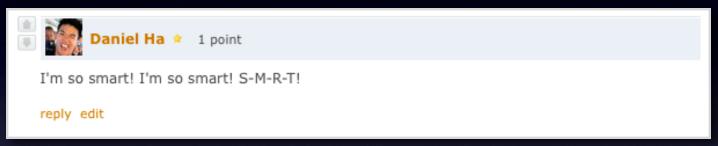
facebook. prompt-based invitation



discoverability invitations



facebook. prompt-based invitation



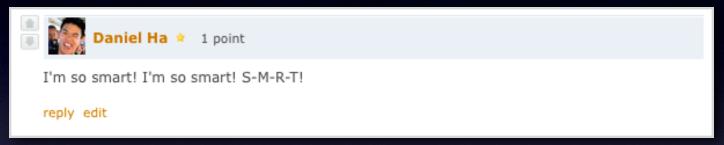


Y!photo. implicit

discoverability invitations



facebook. prompt-based invitation



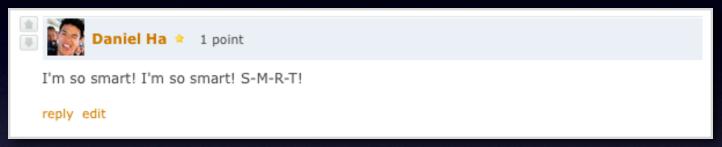


Y!photo. implicit

discoverability invitations



facebook. prompt-based invitation



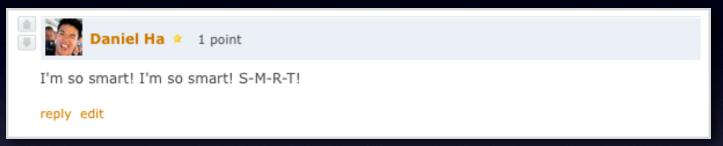


Y!photo. implicit

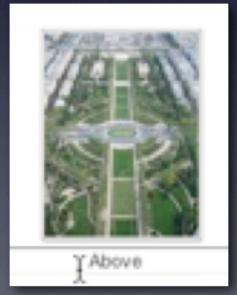
discoverability invitations



facebook. prompt-based invitation



disqus. explicit "edit" invitation

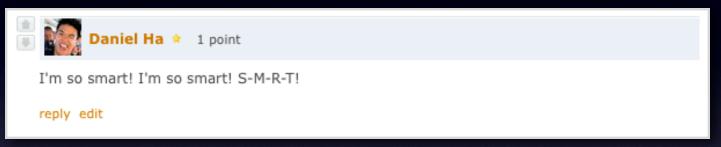


Y!photo. implicit

discoverability invitations



facebook. prompt-based invitation



disqus. explicit "edit" invitation

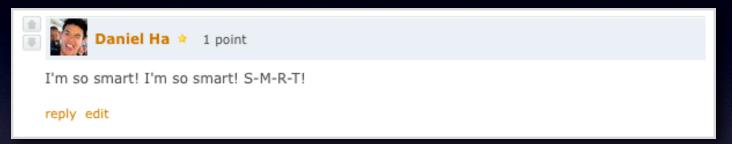


Y!photo. implicit

discoverability invitations

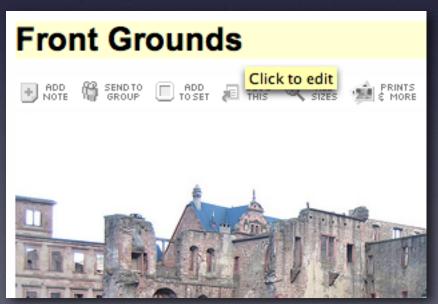


facebook. prompt-based invitation





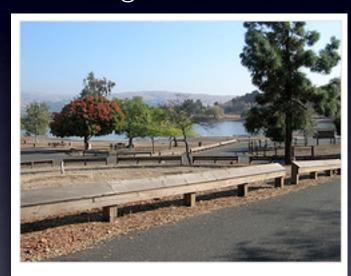
Y!photo. implicit



flickr. on hover

Discoverability

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



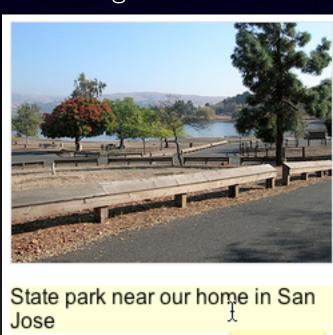
State park near our home in San Jose

5 photos | Add a comment?

Photos are from 22 Oct 05.

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

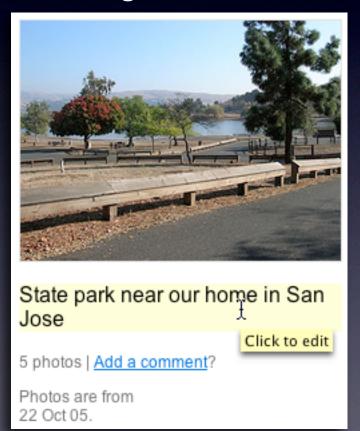
5 photos | Add a comment?

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



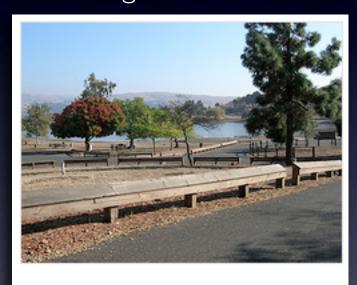
flickr. hover invitation



backpackit (fake). being too explicit

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

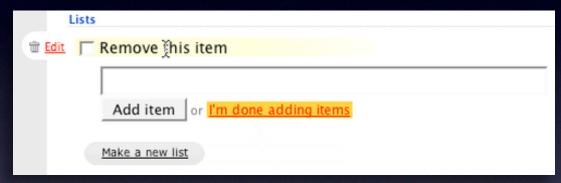
5 photos | Add a comment?

Photos are from 22 Oct 05.

flickr, hover invitation



backpackit (fake). being too explicit



backpackit. tooltip invitation + hover invitation + cursor invitation

Discoverability

No easy answer
Use the hover to reveal interaction
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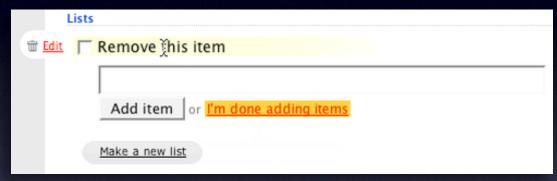
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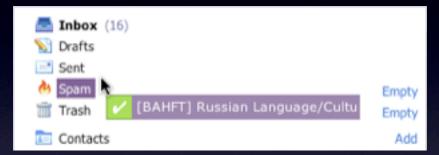
y! movies. hover invitation

drag and drop

use the interesting moments before, during and after

drag and drop

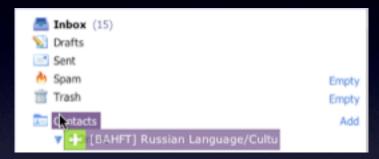
use the interesting moments before, during and after



flickr. drop here invitation (interactive)

drag and drop

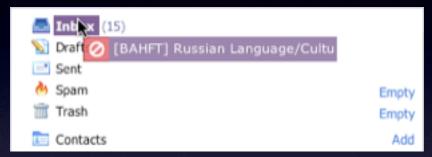
use the interesting moments before, during and after



flickr. drop here invitation (interactive)

drag and drop

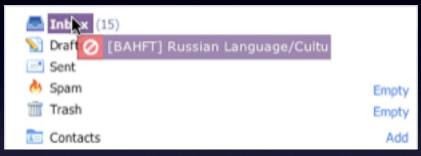
use the interesting moments before, during and after



flickr. drop here invitation (interactive)

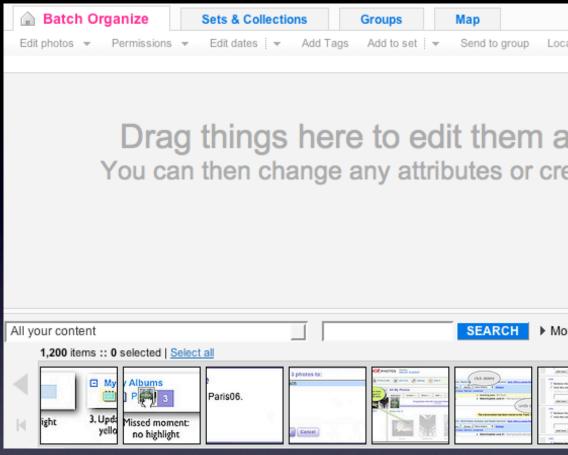
drag and drop

use the interesting moments before, during and after



flickr. drop here invitation (interactive)

offer an invitation. dynamic invitation



flickr. drop here invitation (static)

bridge the new with the old

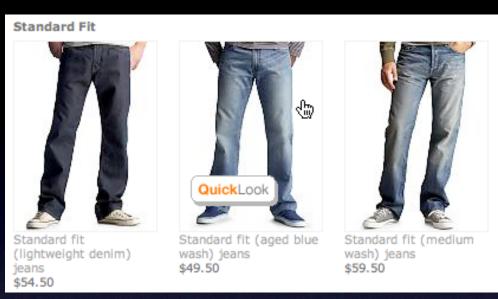
hyperlinks as actions reveal with hovers drop down clues

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

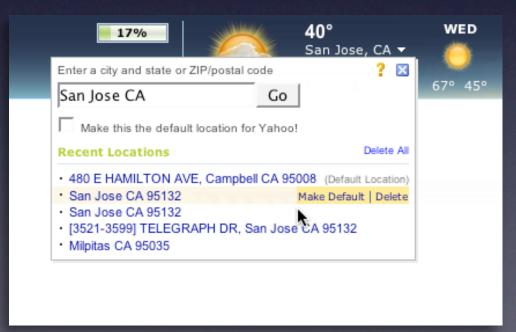
the gap. button

bridge the new with the old

hyperlinks as actions reveal with hovers drop down clues



the gap. button

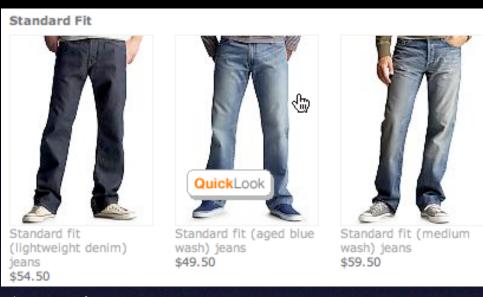


bridge the new with the old hyperlinks as actions reveal with hovers drop down clues

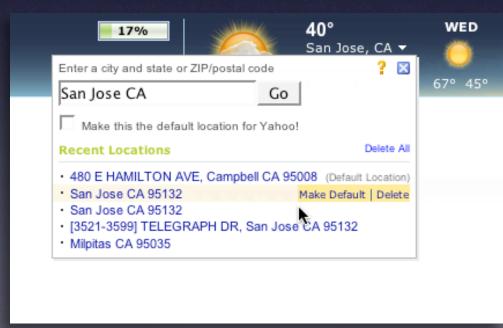
bridge the new with the old hyperlinks as actions reveal with hovers drop down clues

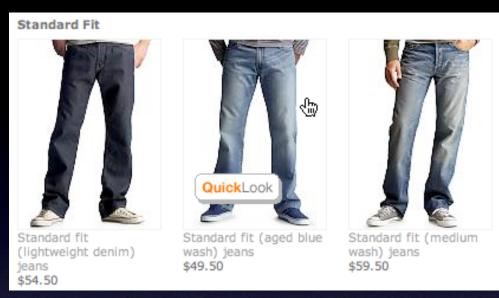


backpackit. revealed hyperlinks/icons

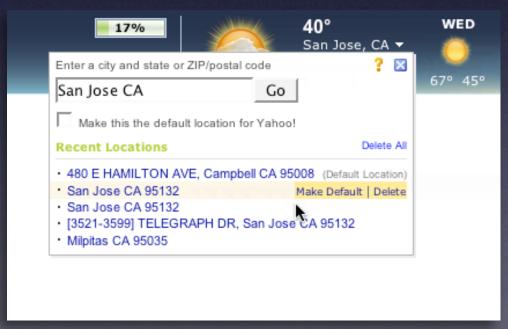


the gap. button





the gap. button



bridge the new with the old

hyperlinks as actions reveal with hovers drop down clues



backpackit. revealed hyperlinks/icons



flickr. drop down affordance

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

Ray!: Original Motion Picture Soundtrack

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. <u>Click here</u> for answers to questions you might have about the beta program.

anti-pattern. amazon. mouse trap

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

Rayl: Original Motion Picture Soundtrack

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anti-pattern. amazon. mouse trap



anti-pattern. amazon. mouse trap

See all: Dentistry

To see a product preview in action, hover over the link below. Ray1: Original Motion Picture Soundtrack amazon.com Close Ray!: Original Motion Picture Soundtrack Buy Now Forty Associates recently added product p by Ray Charles Associate sites who viewed a product pre AHOO purchase nearly 6% of the time. Camden Dental Care Contac Calaveras Blvd Now we're opening the beta up to all Ass (408) 377-9091, 2005 Camden Ave through a product preview-enhanced link leewww.samphotopoulosdds.com Mag testing product previews. Don't worry if you don't already have Basic Display Product Li process. Click here for answers to questions you might have a Sorted by: Top Results | Distance | Nam anti-pattern. amazon. mouse trap Shoker, Devinder S DDS - S (408) 945-0411 2133 Morrill Ave. Sa Map | Directions | S @ 2005 Yahoo! Inc See all: Doctors & Clinics - Dentistry view larger map Cao, Thomas-Dung DDS - C Category: (408) 719-1111 3072 Landess Ave. Doctors & Clinics (1770) Map | Directions | S Dentistry (1369) See all: Dentistry - Doctors & Clinics Orthodontists (29) Other Dental Specialties (25) Din Ala U DDS [®] Oral Surgeons (15) (408) 942-0469 2669 Cropley Ave. Dental Referral Services (11) Map | Directions | S show all 38 Categories

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

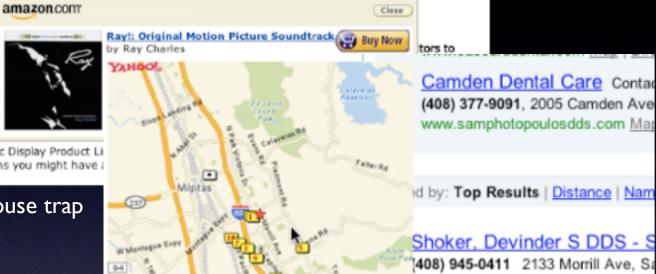
Ray1: Original Motion Picture Soundtrack

Forty Associates recently added product passociate sites who viewed a product pre purchase nearly 6% of the time.

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anti-pattern. amazon. mouse trap



Doctors & Clinics (1770)

Dentistry (1369)

7101

Orthodontists (29)

Other Dental Specialties (25)

Oral Surgeons (15)

Dental Referral Services (11)

show all 38 Categories

Cao, Thomas-Dung DDS - C

See all: Doctors & Clinics - Dentistry

(408) 719-1111 3072 Landess Ave,

Map | Directions | S

Map | Directions | S

See all: Dentistry - Doctors & Clinics

Din Ala U DDS

(408) 942-0469 2669 Cropley Ave, S

Map | Directions | S

See all: Dentistry

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

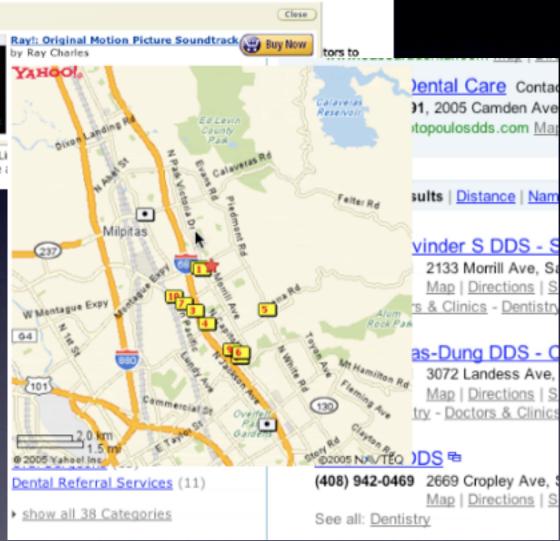
Rayl: Original Motion Picture Soundtrack
amazon.com
Close

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amazon.com

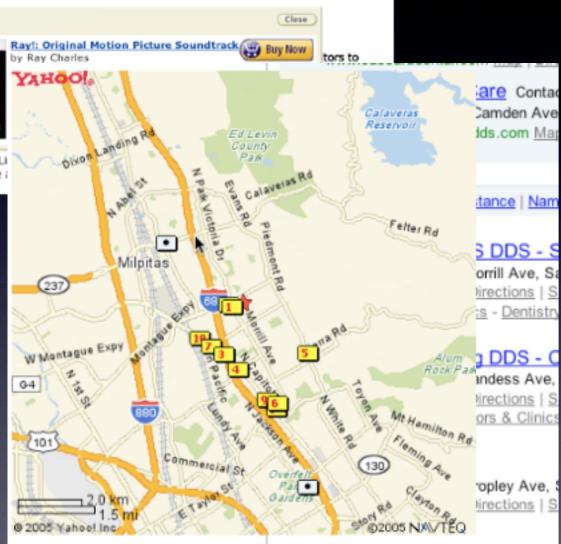
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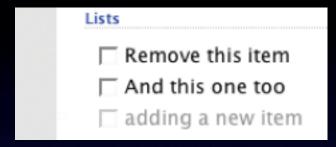
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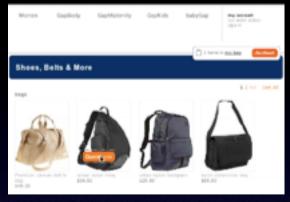




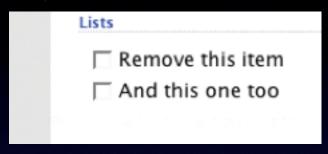


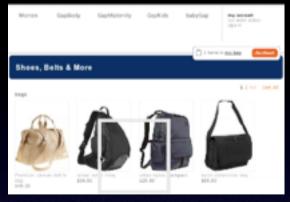
backpackit. fade transition + self-healing transition.





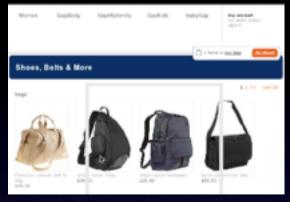
backpackit. fade transition + self-healing transition.





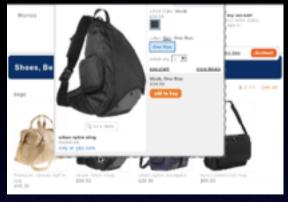
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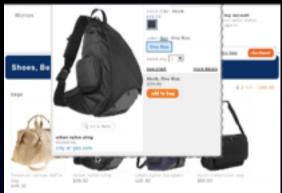




backpackit. fade transition + self-healing transition.



the gap. zoom box.



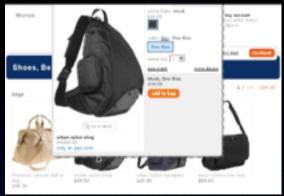
flickr. slide transition.



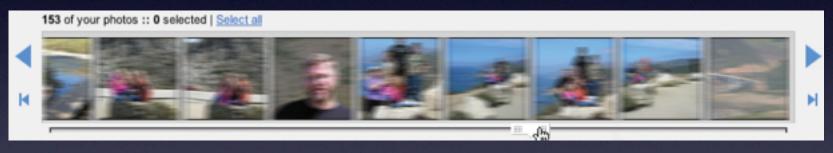
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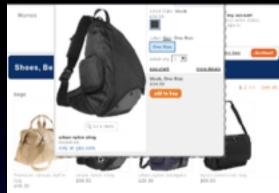
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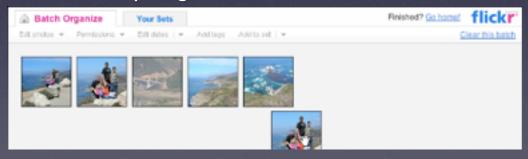


the gap. zoom box.



flickr. slide transition.

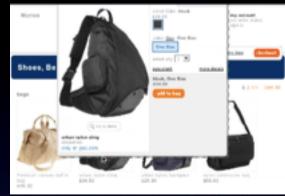




backpackit. fade transition + self-healing transition.

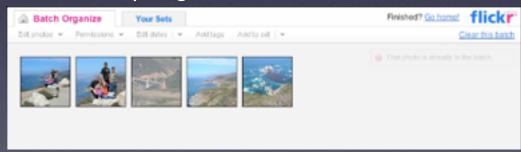


the gap. zoom box.



flickr. slide transition.

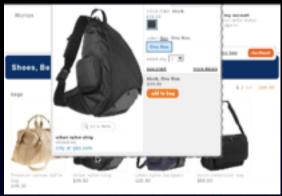




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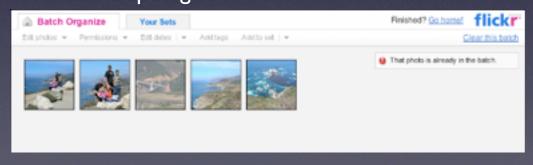


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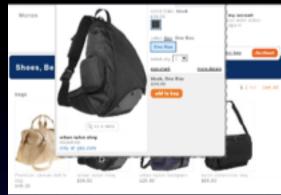




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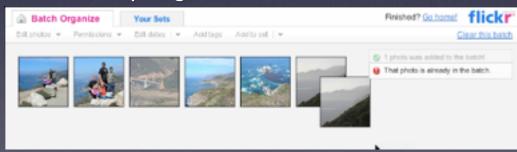


the gap. zoom box.



flickr. slide transition.

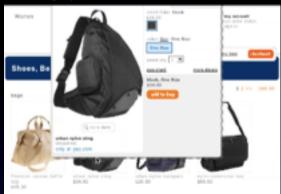




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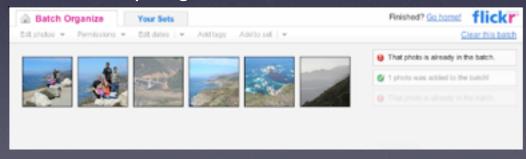


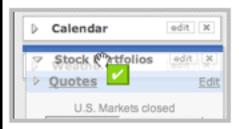
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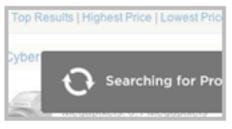






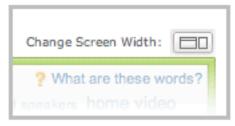
Animate Transition

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.



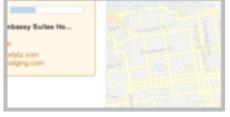
Collapse Transition

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.



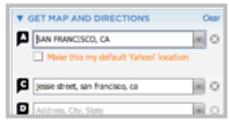
Fade In Transition

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.

show transitions



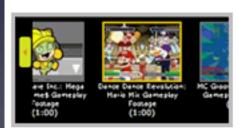
Cross Fade Transition

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



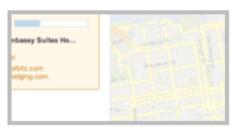
Fade In Transition

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.



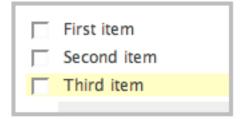
Dim Transition

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



Fade Out Transition

Designer needs to communicate that an object is going away.



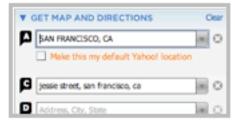
Spotlight Transition

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.

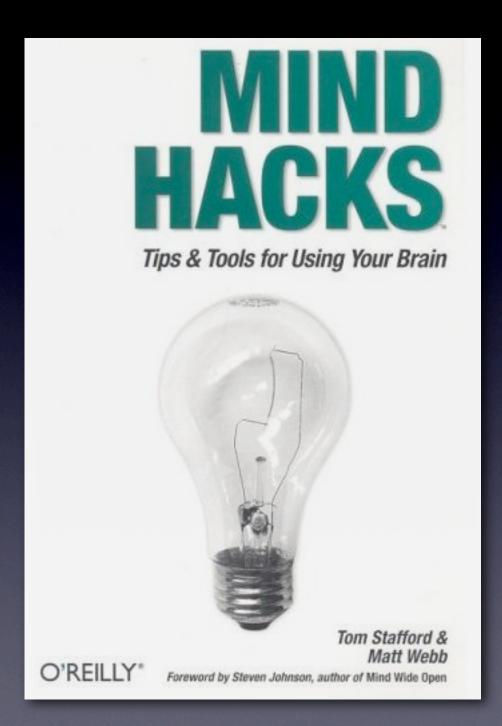
show transitions

Speak to the brain

Understanding attention processing

Speak to the brain

Understanding attention processing

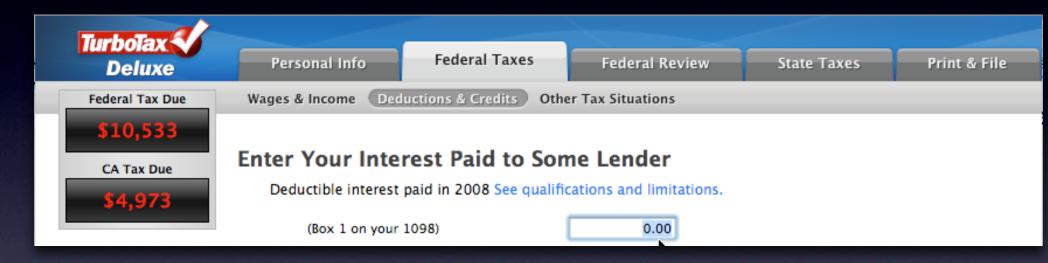


Speak to the brain

Understanding attention processing Sending the wrong message

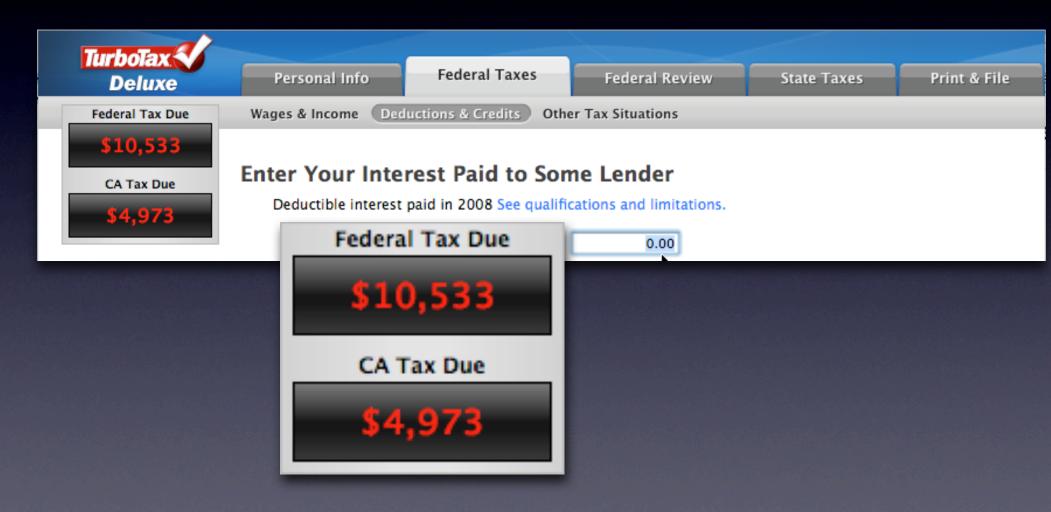
Speak to the brain

Understanding attention processing Sending the wrong message



Speak to the brain

Understanding attention processing Sending the wrong message



you can...

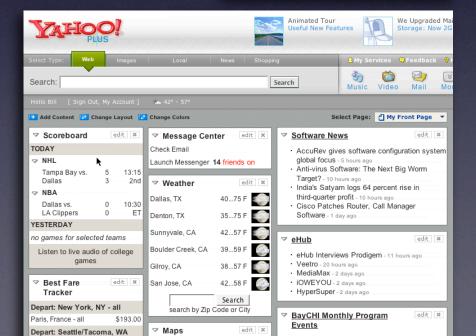
speed up time slow down interaction show state change show relationships between objects focus attention

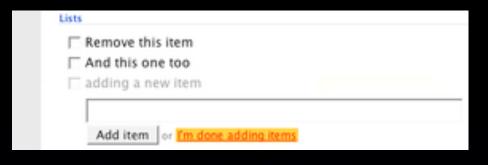
you can...

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

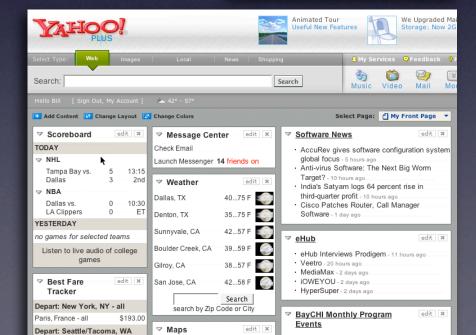
Connecting

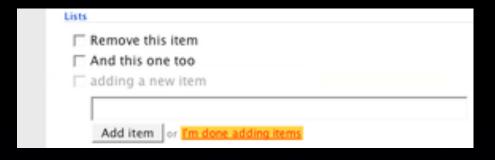
speed up time slow down interaction show state change show relationships between objects focus attention

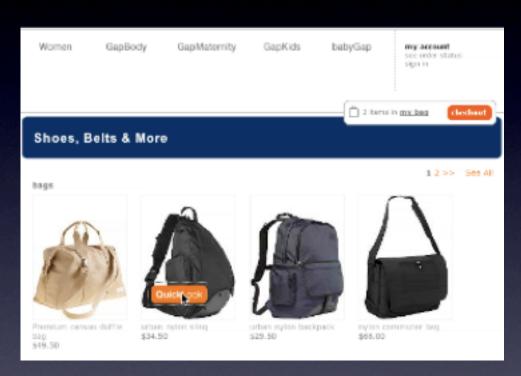




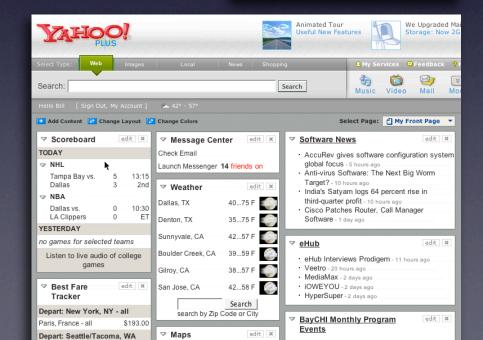
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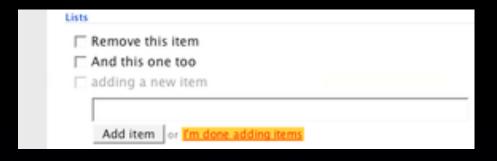


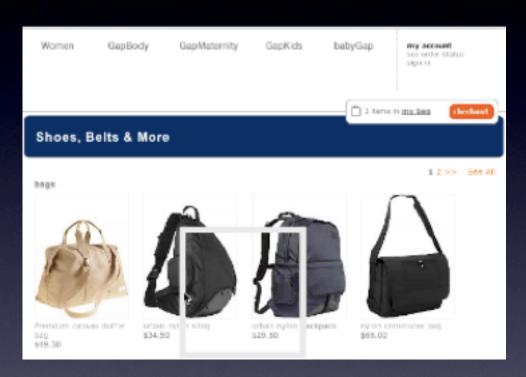




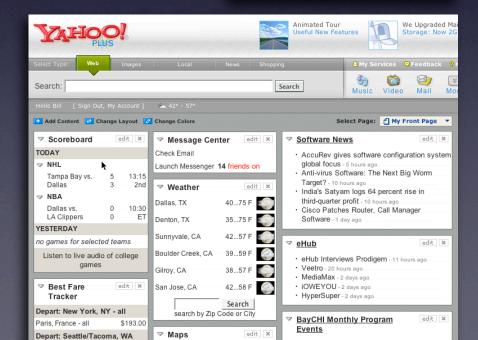
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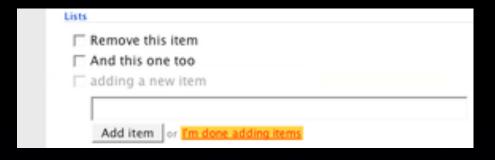


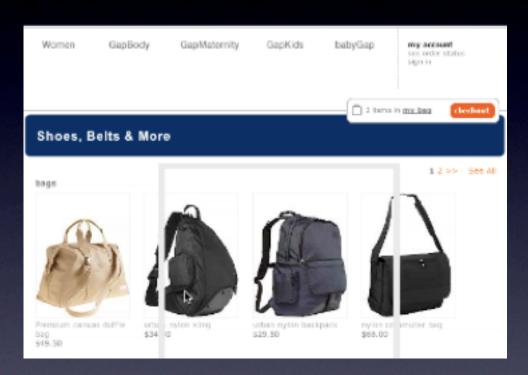




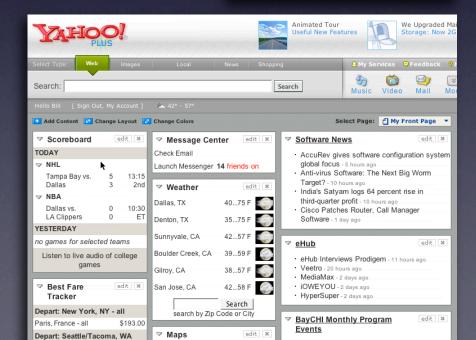
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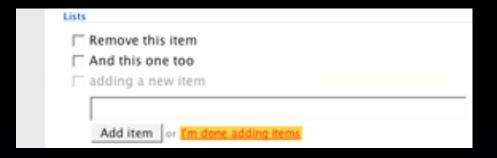


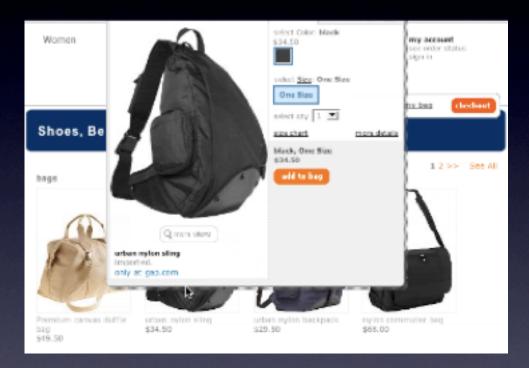




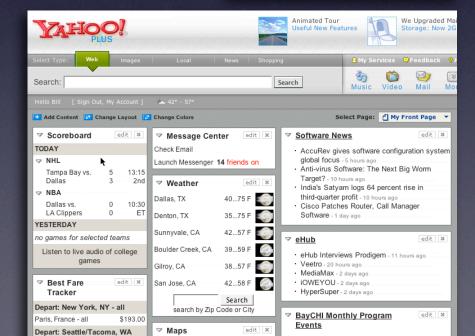
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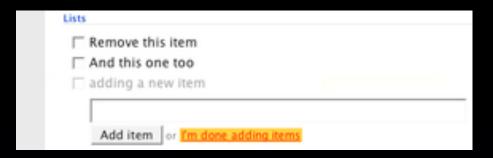


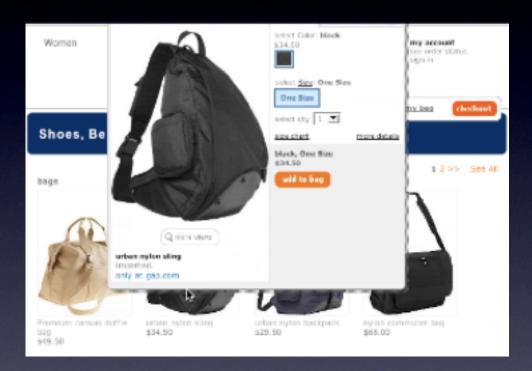


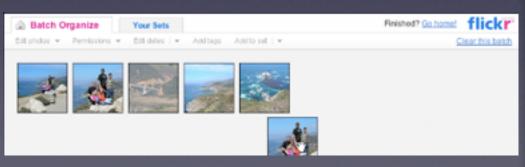


speed up time slow down interaction show state change show relationships between objects focus attention

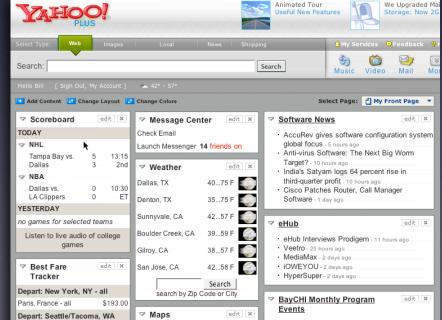


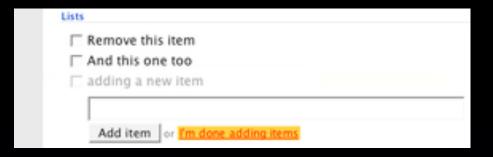


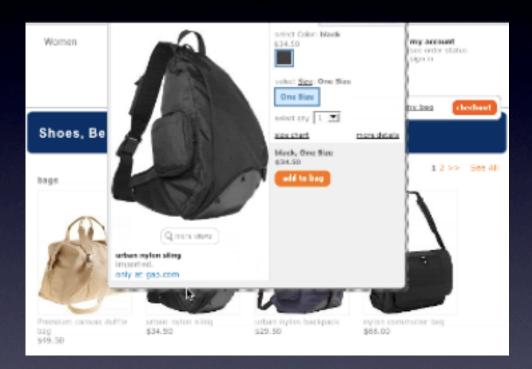


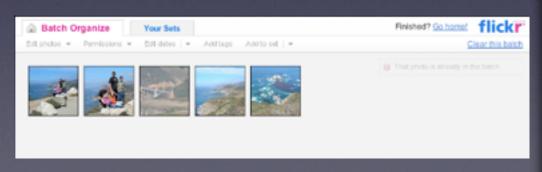


speed up time slow down interaction show state change show relationships between objects focus attention



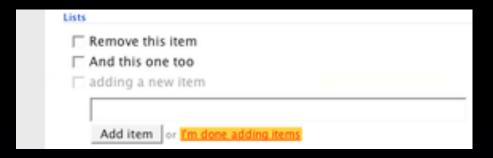


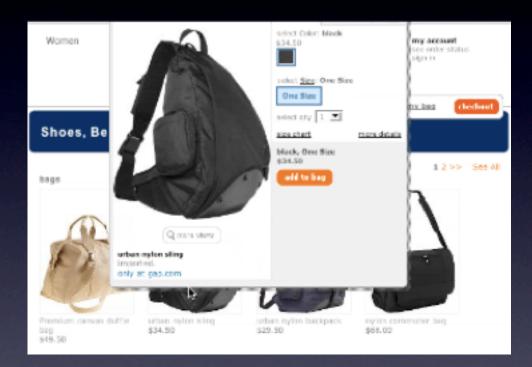


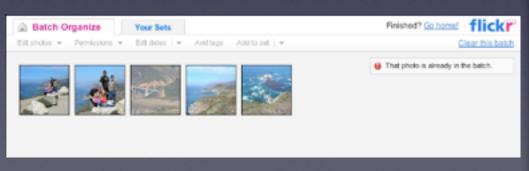


speed up time slow down interaction show state change show relationships between objects focus attention

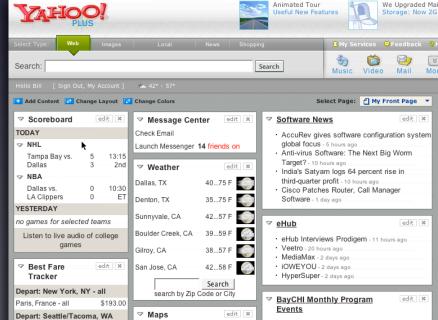


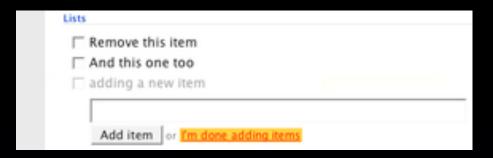


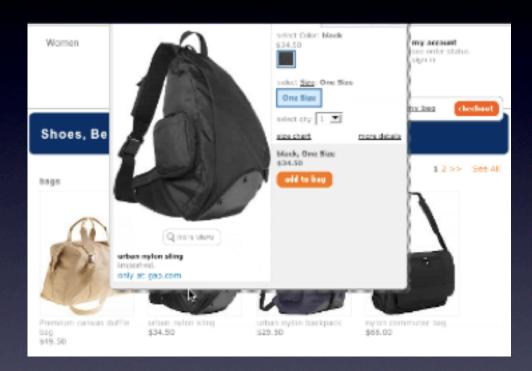


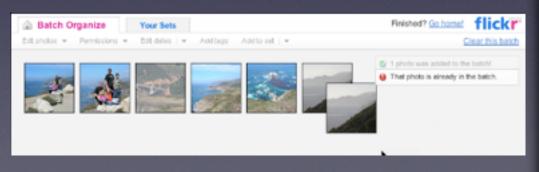


speed up time slow down interaction show state change show relationships between objects focus attention

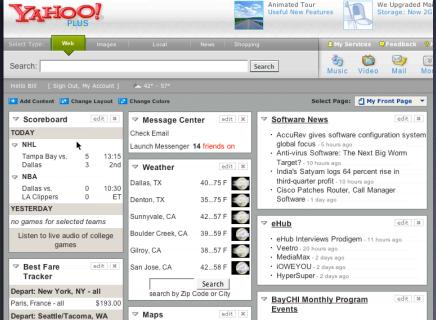


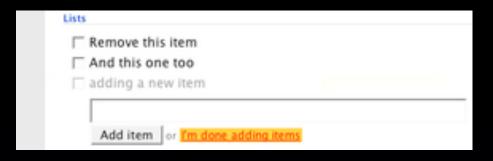


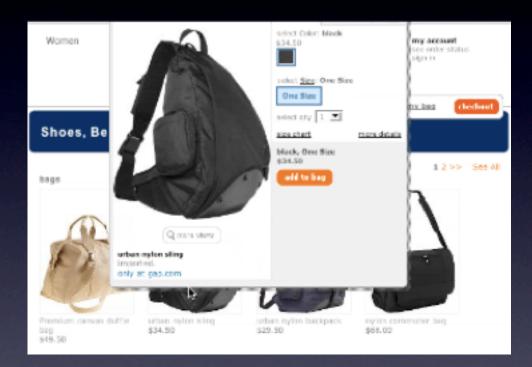


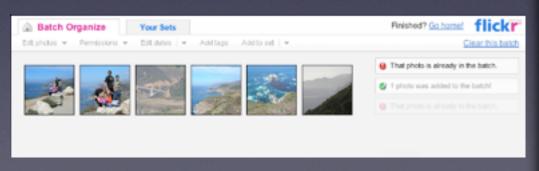


speed up time slow down interaction show state change show relationships between objects focus attention

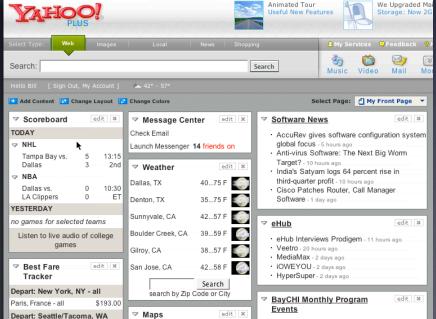


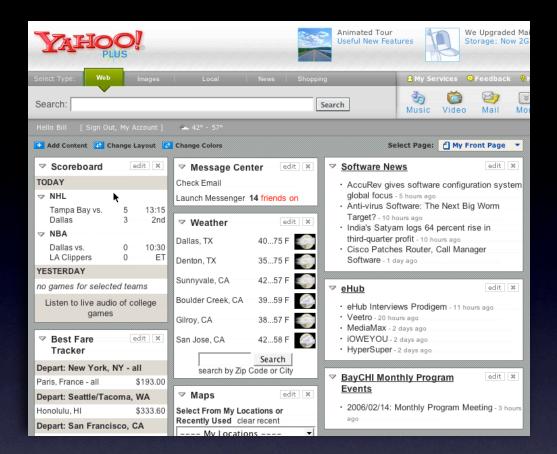






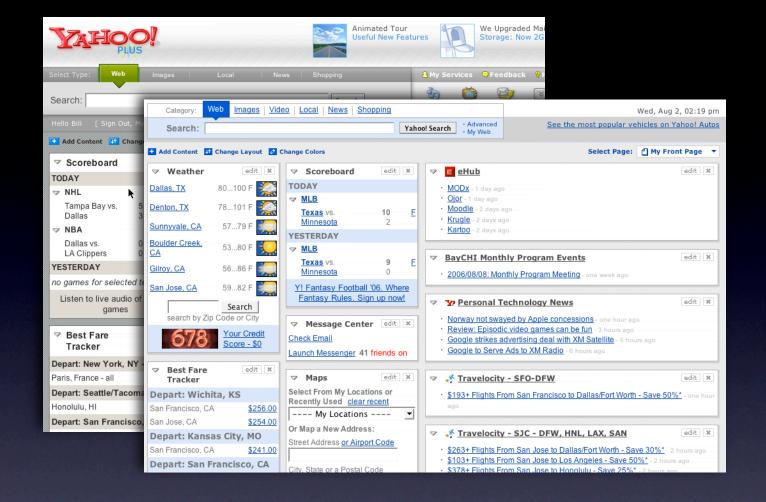
speed up time slow down interaction show state change show relationships between objects focus attention





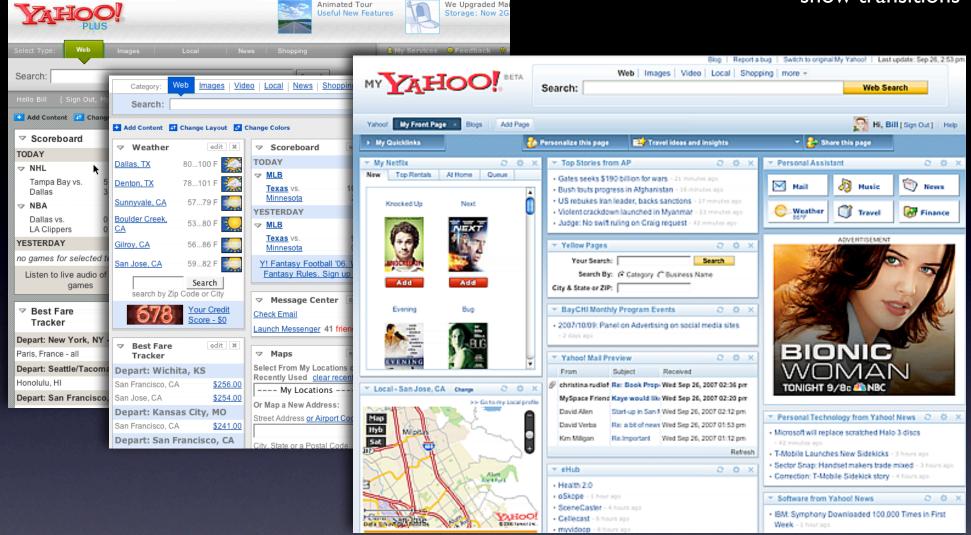
Keep it sane

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



Keep it sane

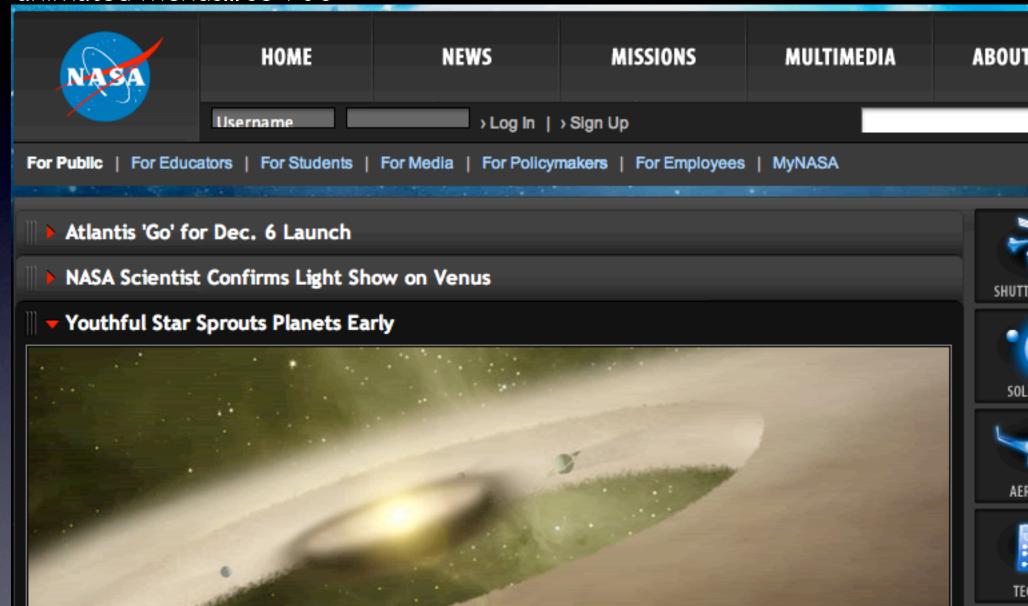
"Cut it in-half" rule of thumb Use "contrast knob" approach



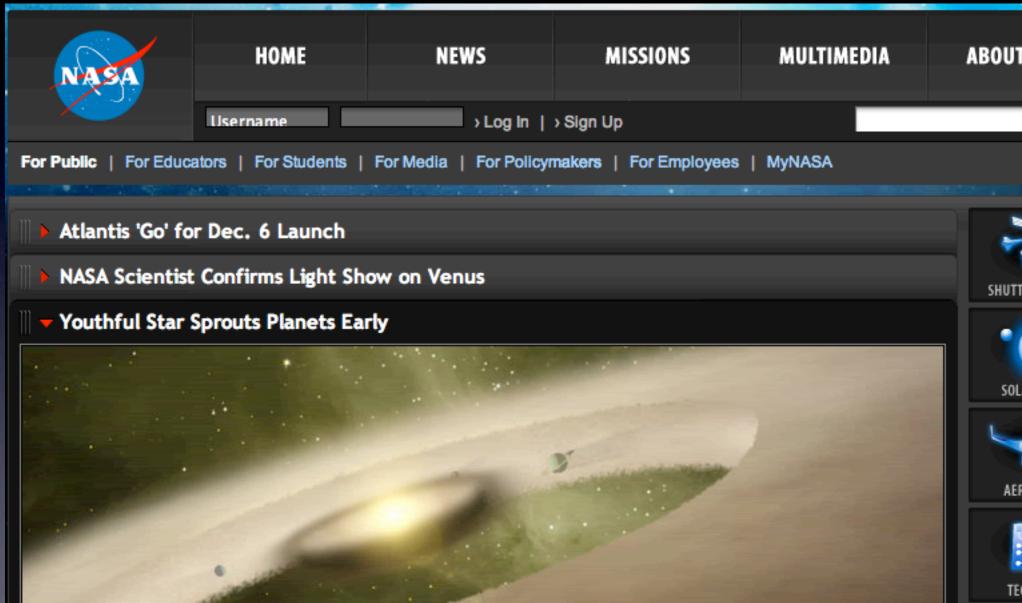
Keep it sane

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

animated menus... so 90's

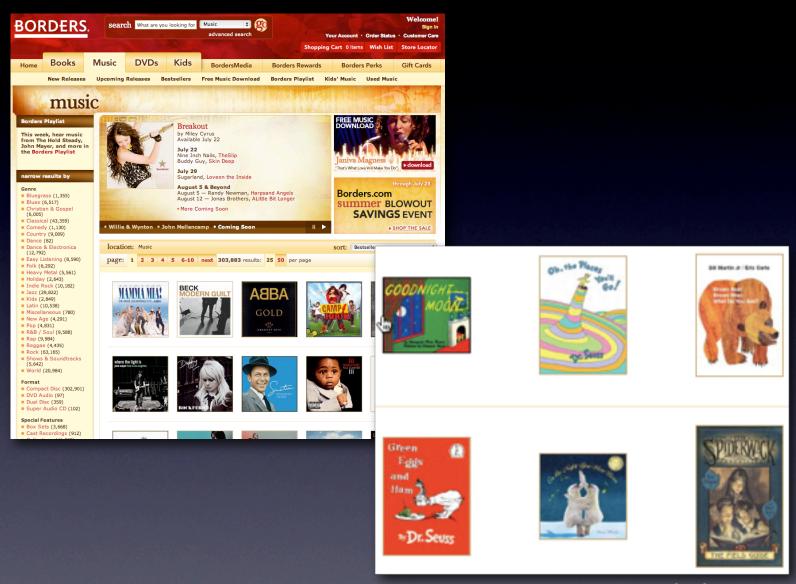


animated menus... so 90's

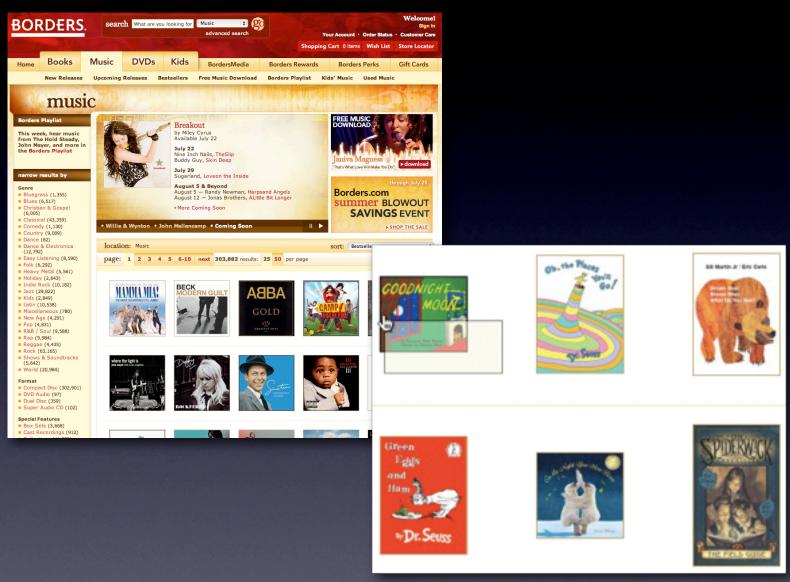


nasa.gov. animation gone wild

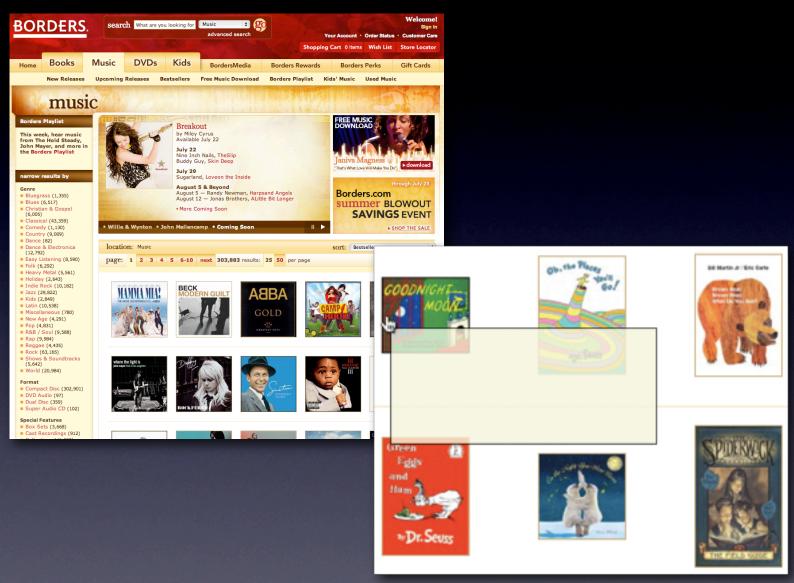




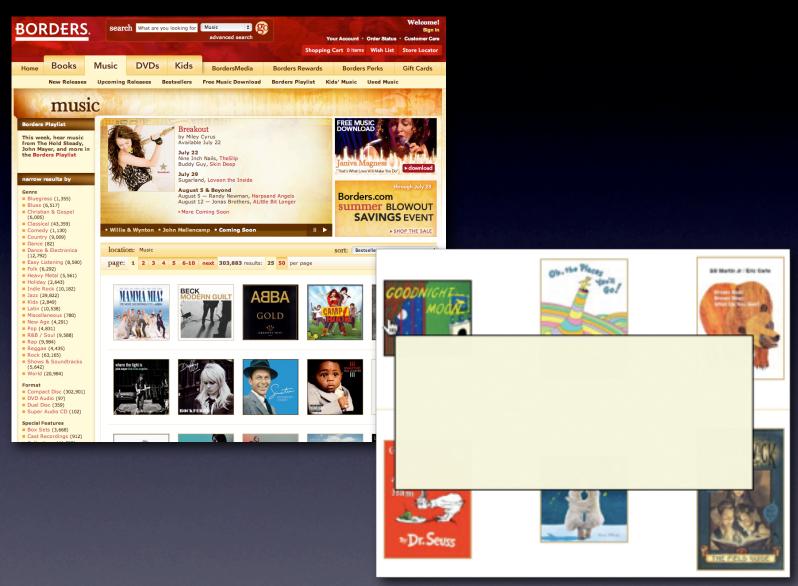
anti-pattern. borders. needless fanfare



anti-pattern. borders. needless fanfare



anti-pattern. borders. needless fanfare



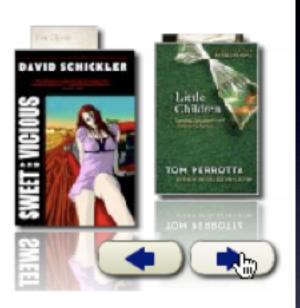
anti-pattern. borders. needless fanfare



anti-pattern. borders. needless fanfare







anti-pattern. amazon. animation gone wild



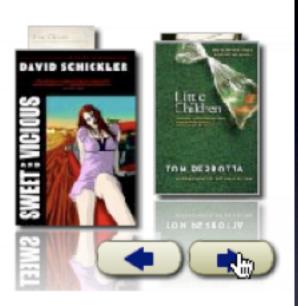




anti-pattern. amazon. animation gone wild

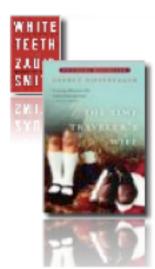


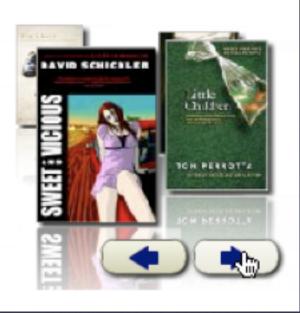




anti-pattern. amazon. animation gone wild







anti-pattern. amazon. animation gone wild





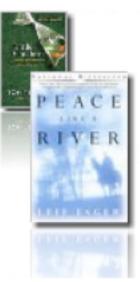


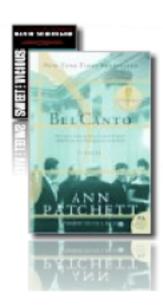
anti-pattern. amazon. animation gone wild



anti-pattern. amazon. animation gone wild









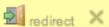


react immediately



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

Passengers:

1 adult

Other trip details:

Economy class on American Airlines

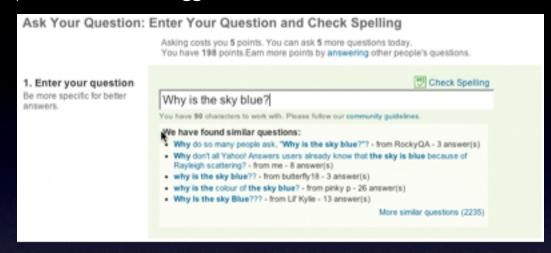
wundrbar. live preview.

react immediately

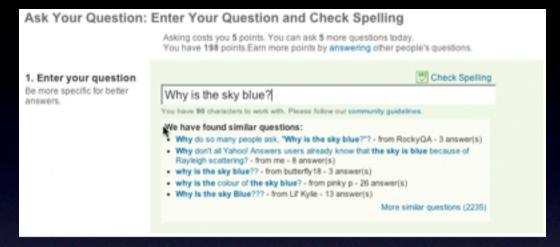
y! answers. live suggest

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.	Why is the sky blue?	
	You have 90 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 1096 characters to work with.	
	You have 1999 characters to work with.	

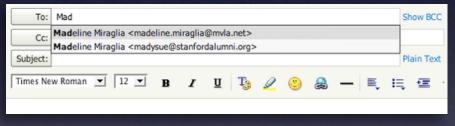
y! answers. live suggest



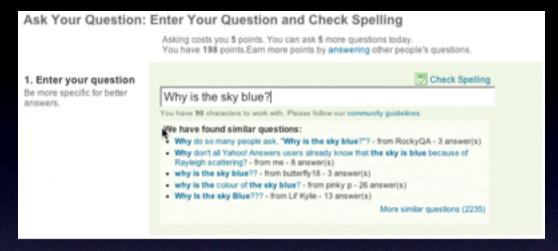
y! answers. live suggest



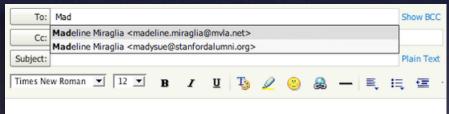
y! mail, kayak. auto complete

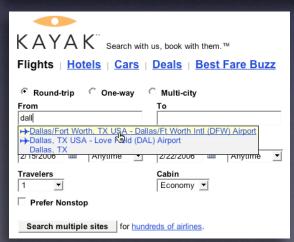


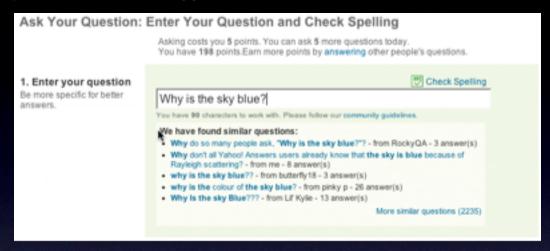
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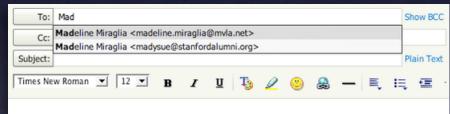
y! mail, kayak. auto complete

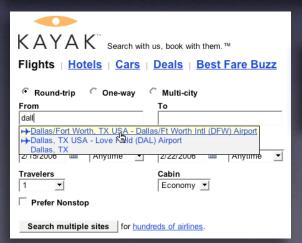




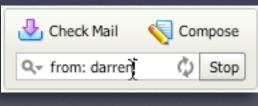


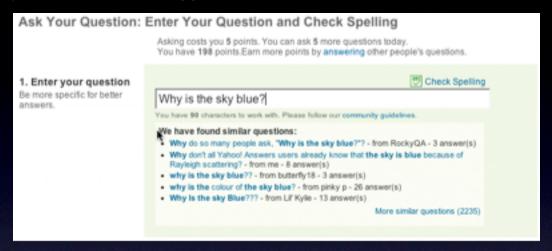
y! mail, kayak. **auto complete**





y!mail. busy indicator





y! mail, kayak. auto complete



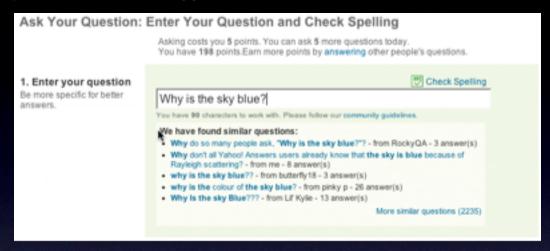


y!mail. busy indicator

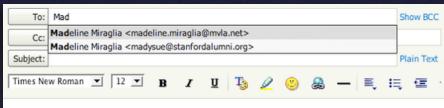


y! small biz. live previews



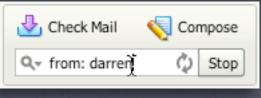


y! mail, kayak. auto complete

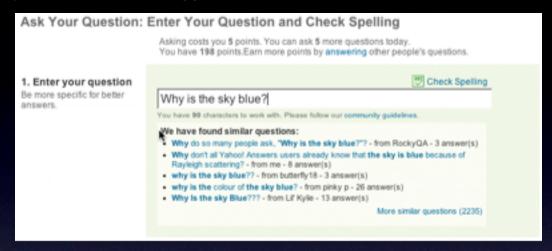




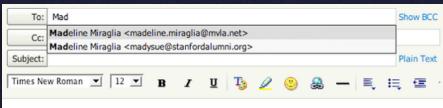
y!mail. busy indicator



y! small biz. live previews



y! mail, kayak. auto complete





y!mail. busy indicator

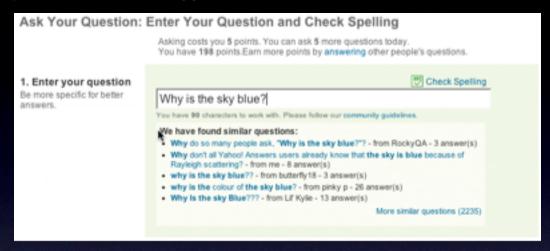


y! small biz. live previews

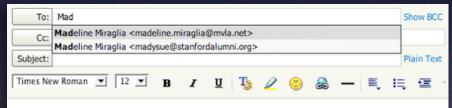
Sorry, billsportfolio.com is taken. See similar name options



y! answers. live suggest



y! mail, kayak. auto complete





y!mail. busy indicator

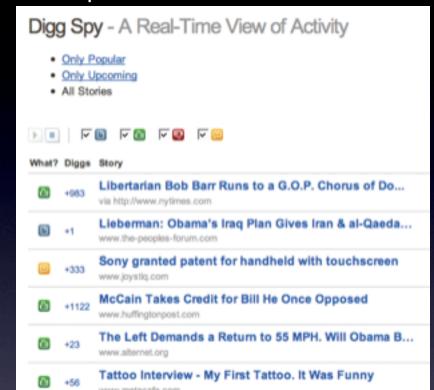


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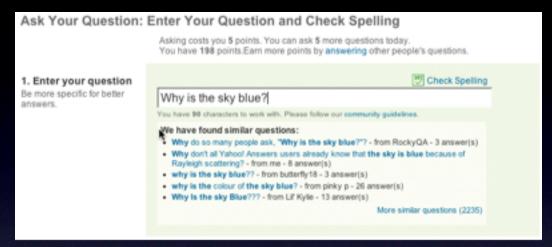
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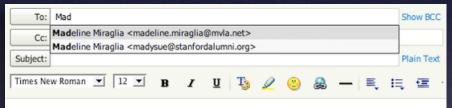
netflix. periodic refresh



y! answers. live suggest

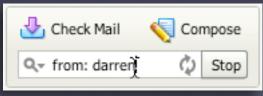


y! mail, kayak. auto complete





y!mail. busy indicator

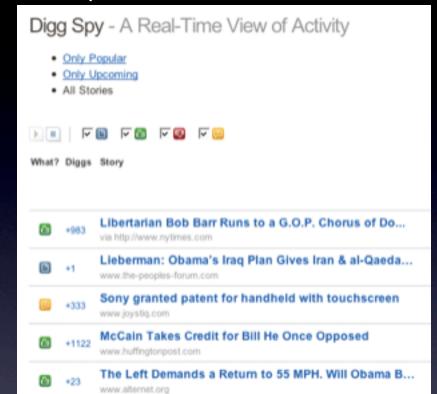


y! small biz. live previews

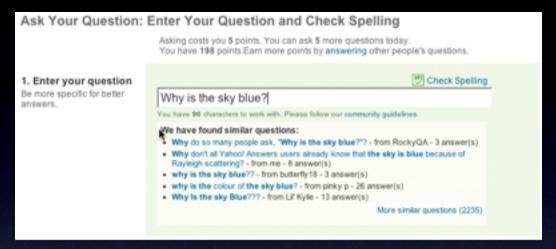
Sorry, billsportfolio.com is taken. See similar name options



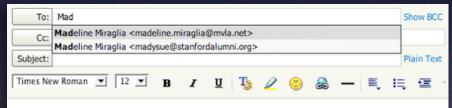
netflix. periodic refresh



y! answers. live suggest



y! mail, kayak. auto complete





y!mail. busy indicator

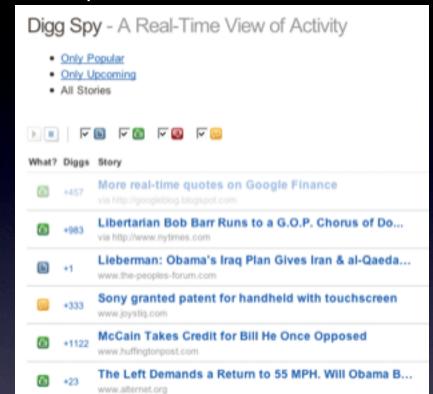


y! small biz. **live previews**

Sorry, billsportfolio.com is taken. See similar name options



netflix. periodic refresh



Keep the goal in mind

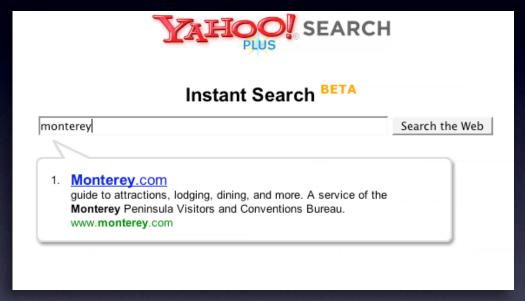
Design for relevancy ls it narrowing or distracting

Design for relevancy ls it narrowing or distracting

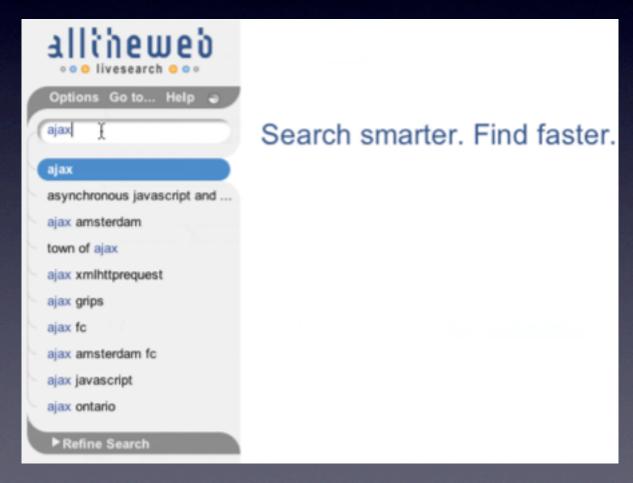


Design for relevancy Is it narrowing or distracting

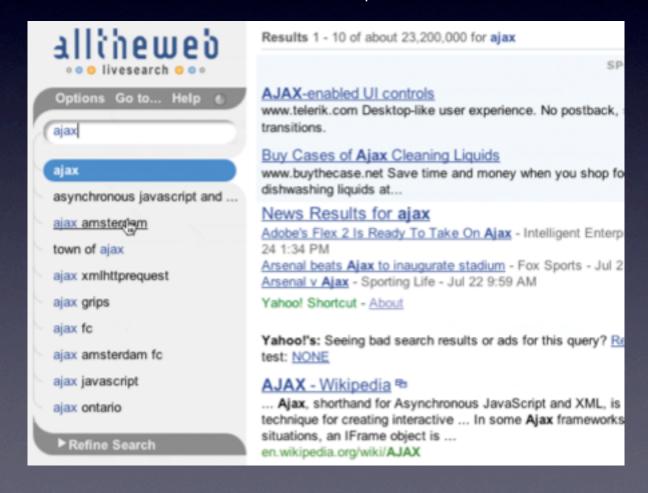




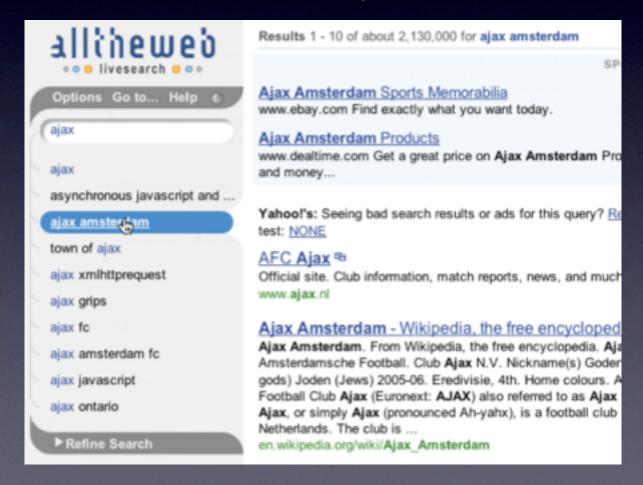
Design for relevancy



Design for relevancy

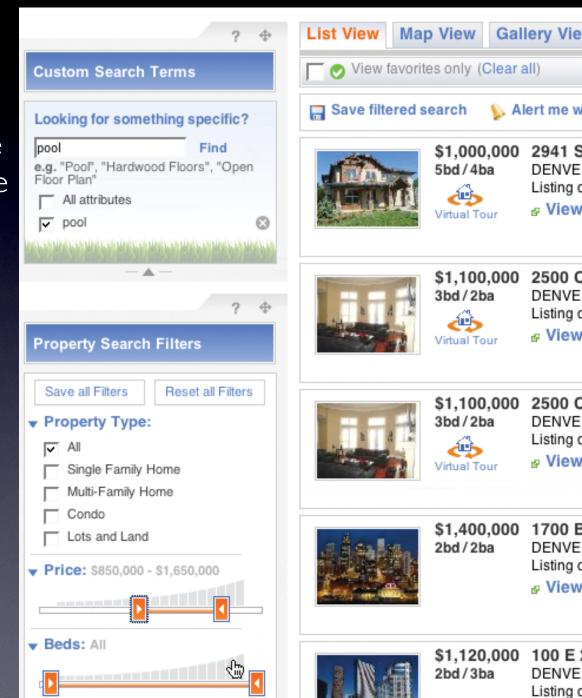


Design for relevancy



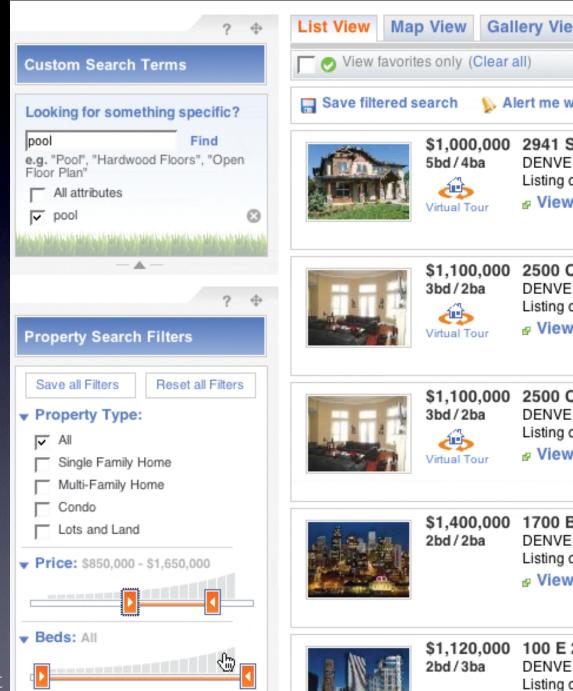
Keep the goal in mind

Design for relevancy



Keep the goal in mind

Design for relevancy



Shape user perception

Make time pass faster Make application feel more responsive

Shape user perception

Make time pass faster Make application feel more responsive



Shape user perception

Make time pass faster Make application feel more responsive



Prevent errors before-hand

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:	Weak

Prevent errors before-hand

Find a domain name:	
www. billsportfolio.com	Snarch
(ex. widgetdesigns.com)	<u> </u>

Required information for Google account			
Your current email address:	r		
	e.g. myname@example.com. This will be ye	our username and sign-	in.
Choose a password:	*****	Password strength:	Weak
	Minimum of 6 characters in length.		

Prevent errors before-hand

Required information for Google account			
Your current email address:	r		
	e.g. myname@example.com. This will be your username and sign-in.		
Choose a password:	*****	Password strength:	Weak
	Minimum of 6 characters in length.		

Prevent errors before-hand

Sorry, billsportfolio.com is taken. See similar name options



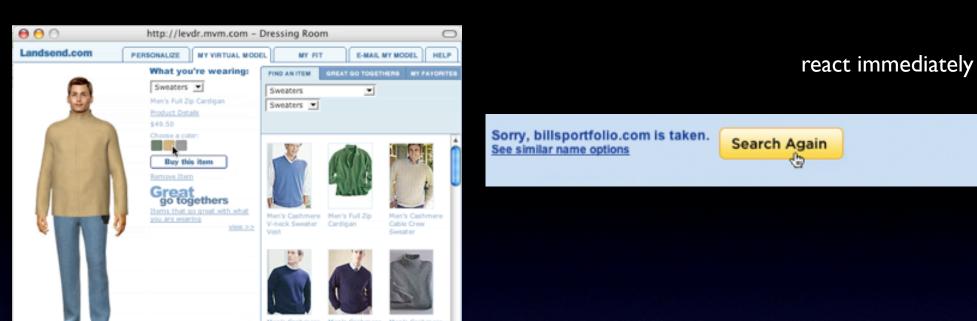
Required information for Google account		
	Your current email address:	someone@somewhere.com
		o a munama@ayampla.com This will be your upername and a

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

Choose a password: ******* Password strength: Weak

Minimum of 6 characters in length.

Prevent errors before-hand



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.		n.
Choose a password:	*****	Password strength:	Weak
	Minimum of 6 characters in length.		

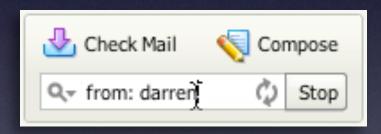
@ My Virtual Model Inc., 2004.

Privacy policy

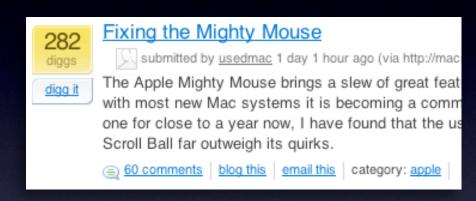
Terms of service

Prevent errors before-hand

Keep feedback focused

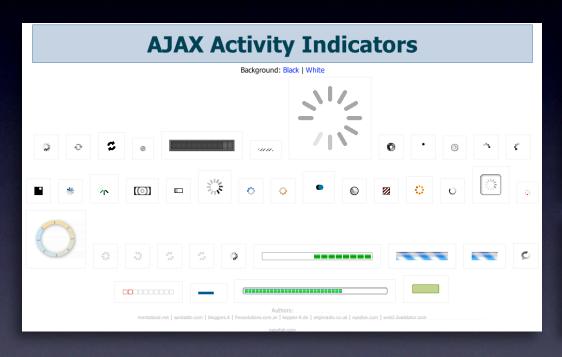


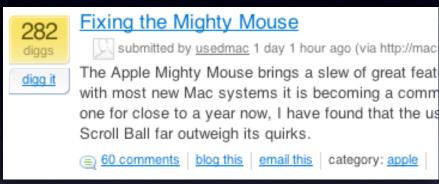
Keep feedback focused





Keep feedback focused





Compose

Stop

Check Mail

Qv from: darren

Keep feedback focused

6 principles for Designing Rich Web Experiences

make it direct keep it lightweight stay on the page offer an invitation show transitions react immediately

Based on the Book: Designing Web Interfaces: Principles & Patterns for Rich Interfaces O'Reilly by Bill Scott & Theresa Neil

This Presentation: http://billwscott.com/share/presentations/2009/bigd/dwi.pdf

I am Hiring! Sr. Flash UI Engineer for Interactive TV Team

