

Anti-Patterns

Designing for the Poor Web Experience

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The Netflix logo, consisting of the word "NETFLIX" in a white, bold, sans-serif font with a slight shadow effect, set against a red rectangular background.

anti-patterns

what are anti-patterns?

*“Anti-patterns, **also called pitfalls, are classes of commonly-reinvented bad solutions to problems.** They are studied as a category so they can be avoided in the future, and so instances of them may be recognized when investigating non-working systems. The term originates in computer science, apparently inspired by the Gang of Four's book Design Patterns, which displayed examples of high-quality programming methods.” - Wikipedia, Anti-Pattern.*

interaction design anti-patterns

Like the software anti-pattern counterparts, the following anti-patterns are common pitfalls to avoid.

pitfalls with a pithy name

anti-patterns

big ball of mud. **meandering way.**

borg idiom. tiny targets. mystery meat.

buried treasure. **hover and cover.**

pogo stick navigation. novel notions.

against the flow. metaphor mismatch.

double duty. **linkitus.** blind type.

windows aplenty. animation gone wild.

misguided misdirections. unmarked hazards. **missed**

moments. missing scene.

one at a time. non-symmetrical actions.

*Note: anti-patterns denoted in **bold** are discussed in this talk.*

anti-pattern. meandering way

summary

Normal flow through the page takes the user on a meandering journey with the mouse.

alternate names

zig-zag interaction, scenic route

example

Actions hidden under hover (in context tools) that require the user to hover an area, then move the mouse to an area that would normally be outside the object's space (back and forth operation)

anti-pattern. meandering way

In our Y!Teachers product the first version of the hover caused a lot of mouse zig-zagging to do common operations.



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



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



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



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



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



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



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



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



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



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



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



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



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

anti-pattern. meandering way

In the redesign, we avoid any popup, any page jitter and make it possible to just move the mouse to a predictable spot to do multiple operations.

The screenshot displays a search results page with a grid of results. The first row contains three results, all with the title 'Three-dimensional Ca...'. The second row contains three results: 'Internet Geography -...', 'Dictionary image: vo...', and 'Operation Montserrat...'. A context menu is open over the 'Operation Montserrat...' result, showing 'Copy' and 'Delete' options. Below the search results, there is a section titled 'Web sites (21)' which contains a grid of website thumbnails and titles, including 'How Volcanoes Work', 'Operation Montserrat...', 'Howstuffworks "...', 'SPACE.com --', 'Volcanoes: Principa...', and 'Vic Camp - Volcano T...'. A dotted line separates the search results from the 'Web sites (21)' section.

Three-dimensional Ca...
<http://volcano.und.n...>

Three-dimensional Ca...
<http://volcano.und.n...>

Howstuffworks "...
<http://www.howstuffw...>

Internet Geography -...
<http://www.geography...>

Dictionary image: vo...
<http://education.yah...>

Operation Montserrat...
<http://emissionhq.co...>

Copy Delete

Web sites (21)

How Volcanoes Work
<http://www.geology.s...>

Operation Montserrat...
<http://emissionhq.co...>

Howstuffworks "...
<http://www.howstuffw...>

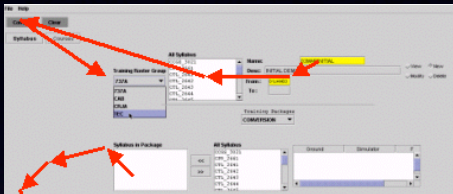
SPACE.com --

Volcanoes: Principa...
<http://www.volcano.und.n...>

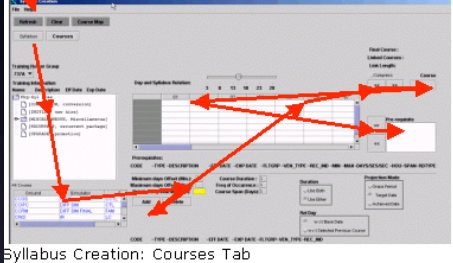
Vic Camp - Volcano T...
<http://www.viccamp.com>

anti-pattern. meandering way

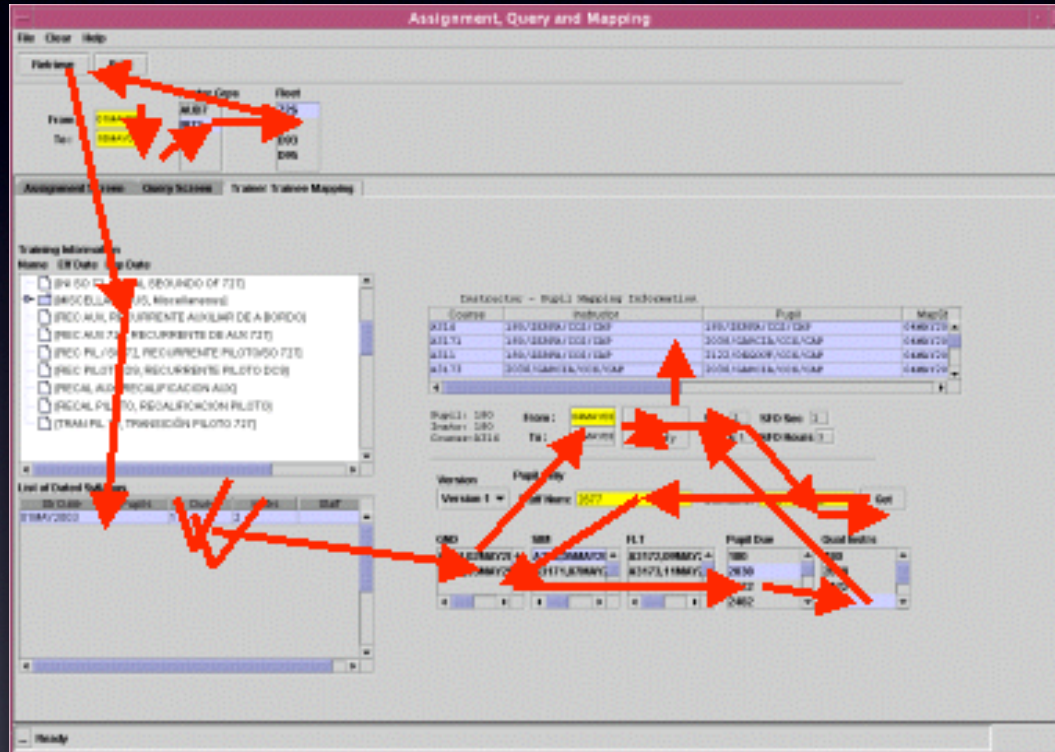
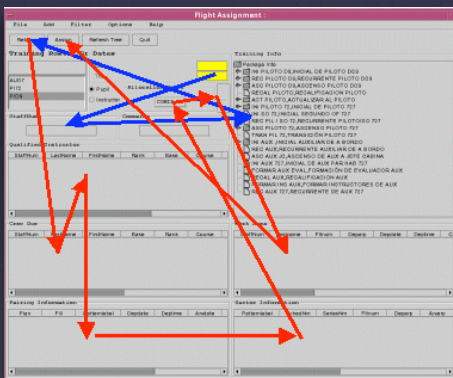
In previous company, I found this was a common occurrence in their suite of software application. By drawing red arrows indicating the user flow, it made the problem obvious and helped to refactor to a correct solution..



Syllabus Creation: Syllabus Tab



Syllabus Creation: Courses Tab



refactoring. meandering way

Annotate the current flow.

Take a snapshot. Draw red arrows through the interface for each user scenarios. Use this information to simplify flows and eliminate zig-zag interaction.

Draw the ideal flow.

During design refactoring, only display the elements needed for each interaction. This will allow you to focus on what is important for the interaction-- and what is actually the supporting information.

Watch out for hovers. *Make sure that all in-context tools that get revealed require no extra mouse move and are completely predicatable -- allowing the user to gain speed in using the interface.*

Follow spatial consistency.

Take advantage of user's learning the command space visually.

anti-pattern. **pogo stick navigation**

summary

Requiring the user to go down a level or two, perform an operation, come back to the top and then have to go back down again. Name comes from hopping up and down through the site.

credit

Jared Spool

anti-pattern. pogo stick navigation

Netflix faced the problem of users needing more information on a movie.

They would go down to the details of the movie, possibly adding to the queue.

Then they would go back to where they come from and repeat this

Their solution involved an overlay that can support an alternate navigation stream. Then the user can come back to the main flow anytime they desire.

The screenshot shows the Netflix website interface. At the top, the Netflix logo is on the left, and user account information (Bill Scott) and links (Your Account, Buy / Redeem Gift, Help) are on the right. Below the logo is a navigation bar with tabs for 'Browse', 'Recommendations' (which is selected), 'Friends', 'Queue', and 'Buy DVDs'. A search bar is located to the right of the navigation bar. Below the navigation bar, there are links for 'Get Recommendations (869)', 'Rate Movies', and 'Movies You've Rated (234)'. The main content area is titled 'Recommendations' and features a yellow background with the text 'Movie suggestions based on your ratings'. There are two movie recommendations: 'Samurai Champloo (7-Disc Series)' and '12 Angry Men'. Each recommendation includes a movie poster, a star rating, a 'Not Interested' button, and a description. A central yellow overlay with a starburst says 'You Have Recommendations!' and encourages users to 'Rate More Movies'. On the right side, there is a 'Browse' sidebar with a list of genres and their counts, such as 'Action & Adventure (89)', 'Drama (123)', etc. At the bottom of the recommendations, there is a link to 'See All Recommendations >>'. A 'Helpful Tip' box at the bottom right says 'Seen any of these movies?' with a starburst icon.

anti-pattern. pogo stick navigation

Yahoo! My Yahoo! Mail Signed in as **billwaynescott** Sign Out Help

YAHOO! FOR TEACHERS Tell a friend about Yahoo! for Teachers.

Home Explore Connect How to

Project Finder

Select one or more grades and subject areas to refine results instantly! You can also choose a different state, or explore all states.

State:

Grades:

Subject Areas:

Your results for: ALL >> 4, 5, 6, 7, 8, 9

1 Top rated project	2 Most recent project	3 Most copied project
Ancient Civiliz...  ★ 27	Geography: Lan...  ★ 0	Ancient Civiliz...  ★ 27
Updated Mar 12, 2007 Grade(s) 2,3,4,5... Description Egypt, mummies, pyramids, Hebrews an...	Updated 11 minutes ago Grade(s) 5,6 Description Introduces students to a variety of ...	Updated Mar 12, 2007 Grade(s) 2,3,4,5... Description Egypt, mummies, pyramids, Hebrews an...
 Derek (Yah... 113	 Bill Scott 21	 Derek (Yah... 113

Too many results here?

Projects 697 matches

1 2 3 4 5 >>

 Ancient	 Electricity	 Ecosystem:	 Math: Sailing	 Science:
---	---	--	---	--

refactoring. pogo stick

Draw flow arrows between pages to catch the zig-zag bouncing from page to page (see *Meandering Way* anti-pattern).

To avoid pogo effect:

- **Use in-context tools** to bring actions into the current page
- **Use hover details** to reveal information in context
- **Use overlays** for encapsulating an alternate navigation path to allow temporary exploration without losing the original context of navigation
- **Use in page actions** like inline editing, etc. to provide functionality inline.
- **Use in-context expands** to reveal information on the page.

Watch out for overlays

Can make users resort to back button anyway

anti-pattern. **tiny targets**

summary

Making key interaction points too small increases the likelihood that users will be frustrated with the interface.

Fitt's law

The time to acquire a target is a function of the distance to and size of the target.

examples

divots for expand/collapse

anti-pattern. tiny targets

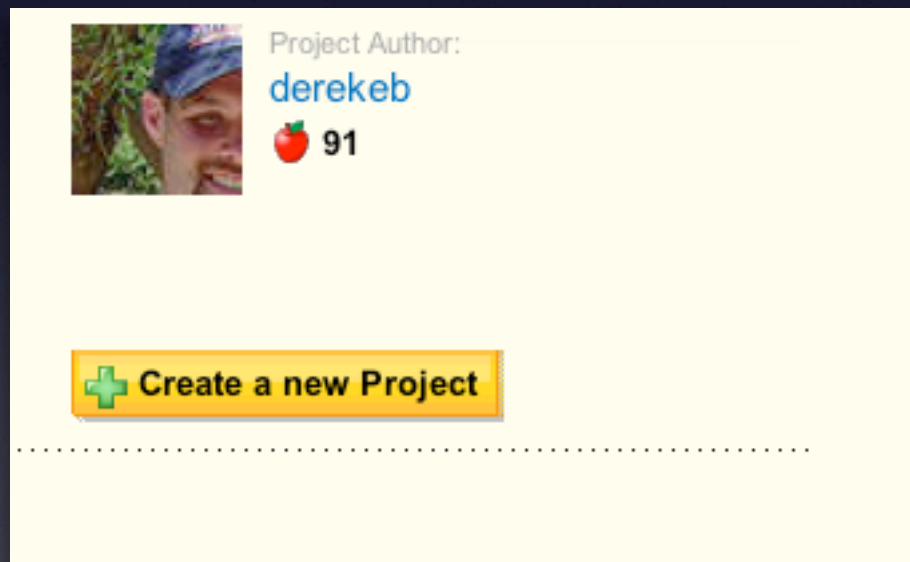
*The identity card area has a summary view and an expanded view.
The targeting is really small and caused lots of usability issues.*

Several problems exist:

The target for expand/collapse is hidden

The area that reveals the target area for our identity card is only the photo and not the complete summary view

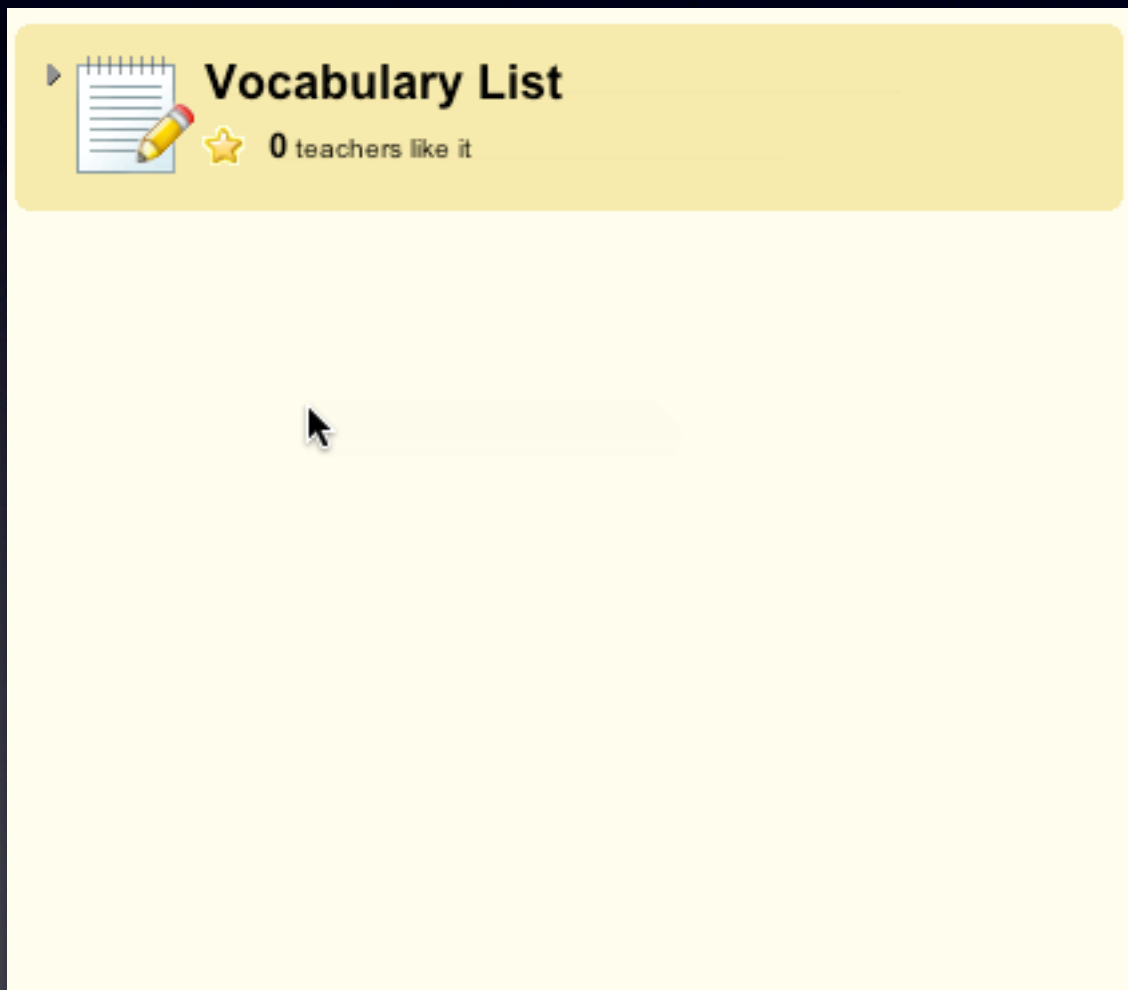
The target is a very small divot that is hard to hit.



anti-pattern. **tiny targets**

The target for opening the vocabulary list is actually anywhere in the complete title. However, it looks like you can only click the little tiny divot (8x8 pixels)

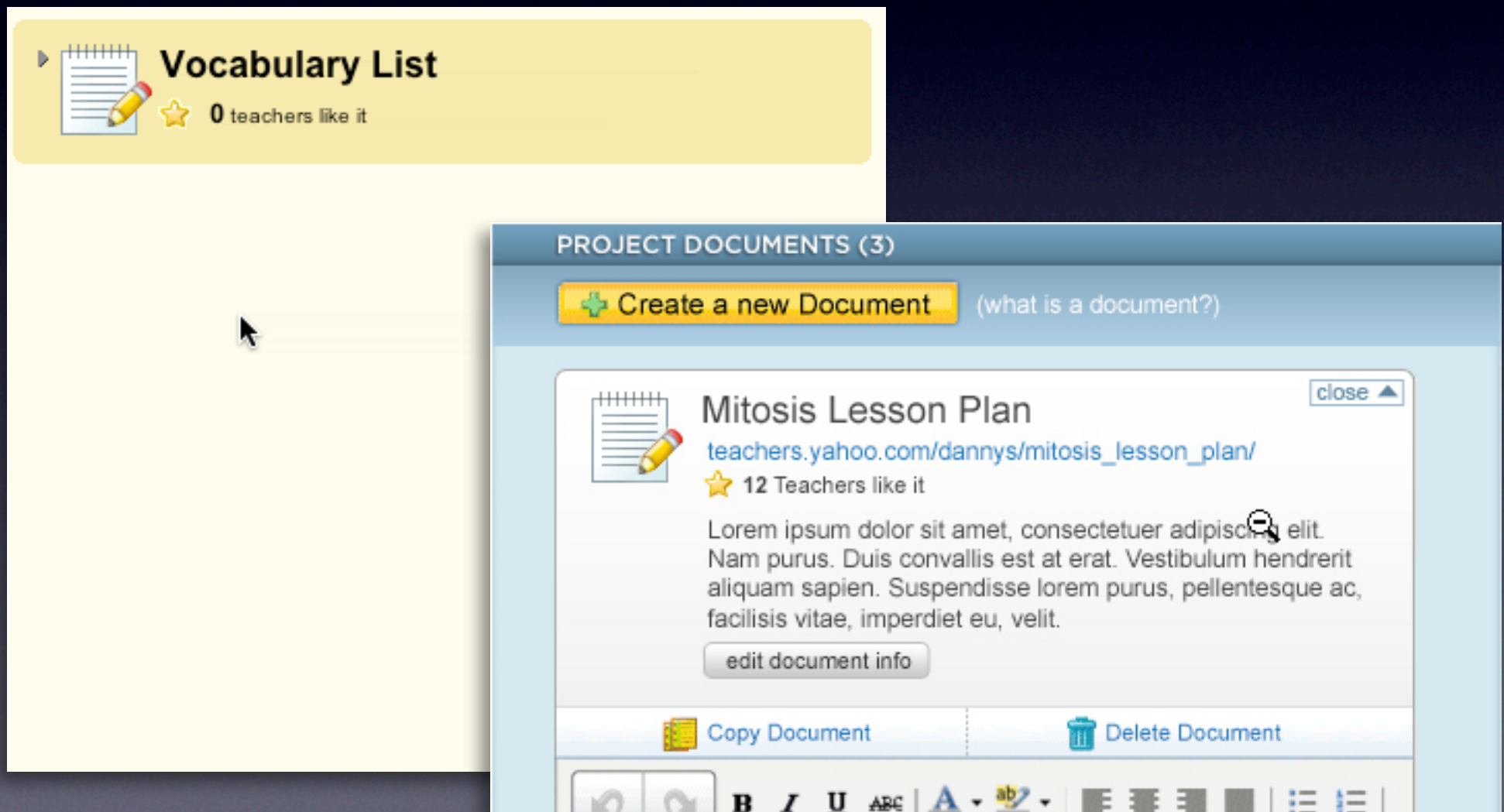
Redesign will call out “Close” as bigger target, but also cause title to have link.



anti-pattern. tiny targets

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anti-pattern. tiny targets

The Yahoo! Gobbler has done well in tests due to the larger nature of the project drop targets.

Issue: small text drag target

Step 1. Selecting a Volcano

Topographic maps are available for all the volcanoes in the United States. Topographic maps and outdoor recreation stores also sell topographic maps. The model made by the USGS is available for 1250 about Mount St. Helens. [Click here](#) for a site with information on the major dome building episodes. Your model could

Step 2. Creating a Pattern.



A screenshot of the Yahoo! Gobbler Scratchpad interface. The interface is titled "YAHOO! GOBBLER" and "Scratchpad". It contains a "Click here" link with the URL "http://volcano.und.nodak.edu/vwdocs". Below this is an "Add Website" button. The "Projects(7)" section shows a quote: "r sites you will need to install a simple Gobbler Browser Button. Browse...". Below the quote is a "Landforms: Volcano..." link and another "Add Website" button. At the bottom, there is a Google search bar with the text "1.2345678901234567..." and a third "Add Website" button.

anti-pattern. tiny targets


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Step 1. Selecting a Volcano

Topographic maps are available for all and outdoor recreation stores also sell 1250 about Mount St. Helens. [Click here](#) major dome building episodes. Your m

Step 2. Creating a Pattern.



[TEXT ONLY]




science for a changing world

Hawaiian Volcano Observatory

Volcanic Hazards

- Kilauea
- Mauna Loa
- Earthquakes
- Other Volcanoes
- Volcanic Hazards
- Types
- Lava Zones
- About HVO

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



Photograph by C. Heliker on November 12, 1992.

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

YAHOO! GOBBLER™

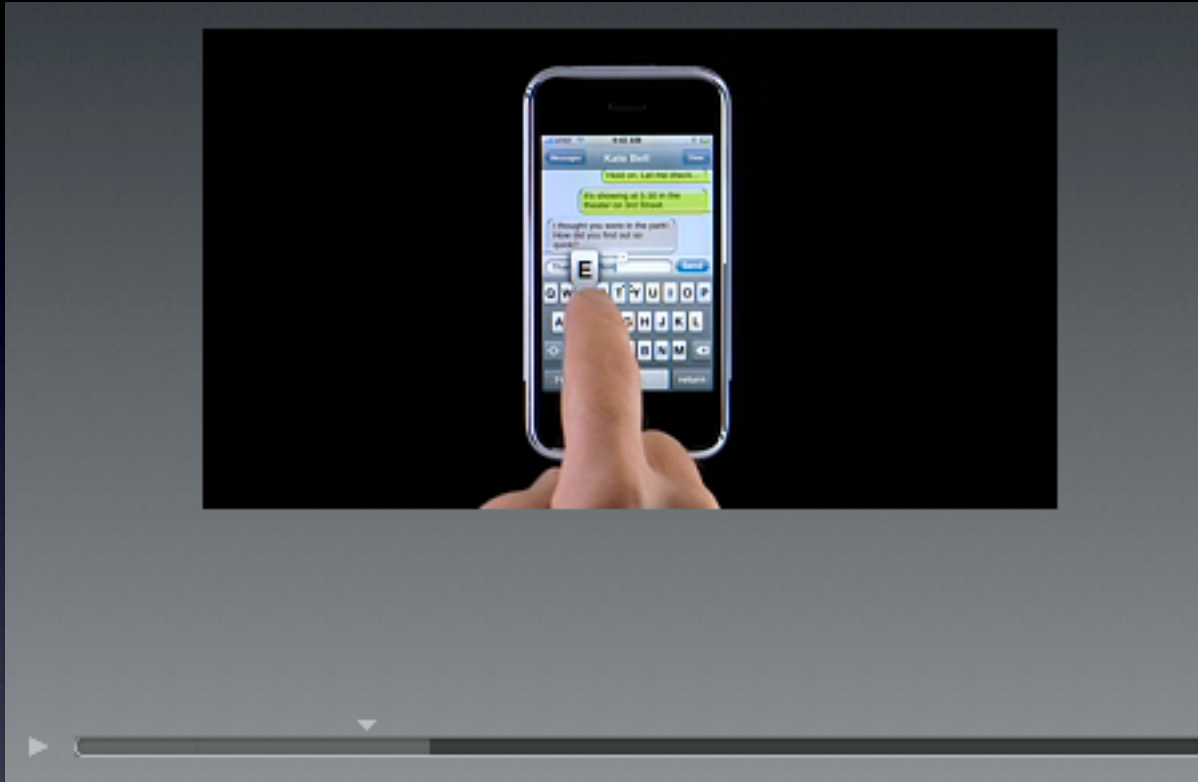
Projects (8)

- Geography: Land...
- Birds' Nests
- Scratchpad

Return to Y! Teachers

anti-pattern. tiny targets

Apple iphone keyboard



anti-pattern. tiny targets

Apple iphone keyboard



iPhone has revolutionary
dynamic target sizing

anti-pattern. tiny targets

Apple iphone keyboard



iPhone has revolutionary dynamic target sizing

apple web site has the play controls as an 8 x 8 pixel target!

Watch it: [Small](#) | [Medium](#) | [Large](#)

strategies. **tiny targets**

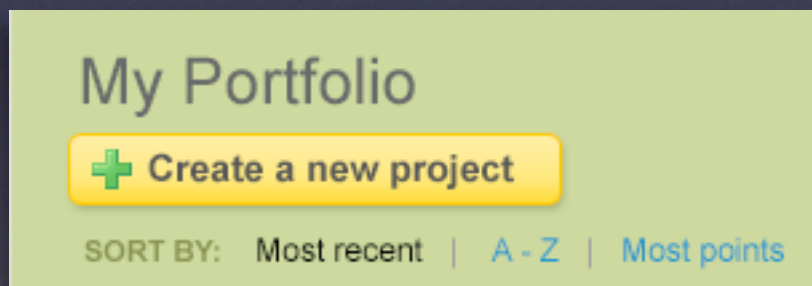
Activation targets and important commands need to be **large enough**, **visually distinct** and in **proximity** to operation.

Use in-context tools to support proximity.

Use “Call to Action” style buttons for most important operations.

If titles will expand/collapse, at least **use hyperlink** underline when hover happens to provide a bigger target.

Never use 8x8 for targeting :-)



anti-pattern. **hover & cover**

summary

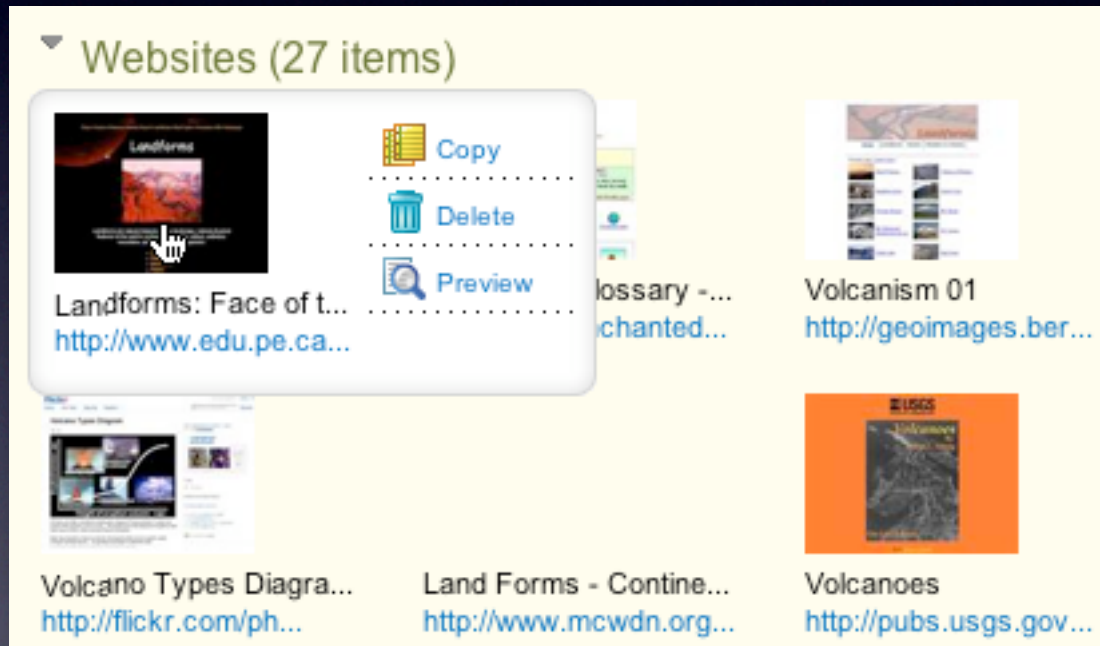
Hover reveal of information and actions has become more and more popular. Hover & Cover is when the hover actually hides important contextual information around the object or gets in the way of other actions.

anti-pattern. hover & cover

Original hover was extremely annoying as it

Covered the item to the right (natural flow is move to right)

Occluded text edit area (hung open)



anti-pattern. hover & cover

Original hover was extremely annoying as it

Covered the item to the right (natural flow is move to right)

Occluded text edit area (hung open)

Geography: Landforms Copy
★ 0 teachers like it

Edit Standards Copy Project Delete Project Create a new project

Project Assets:

▼ Websites (27 items)

- Landforms: Face of t...
<http://www.edu.pe.ca...>
- Landforms Glossary -...
<http://www.enchanted...>
- Volcanism 01
<http://geoimages.ber...>
- Volcano Types Diagra...
<http://flickr.com/ph...>
- Land Forms - Contine...
<http://www.mcwdn.org...>
- Volcanoes
<http://pubs.usgs.gov...>

Documents: Create a new document

Vocabulary List
★ 0 teachers like it

Edit Standards Copy Document

Rich text editor: Bold, Italic, Underline, ABC, Font family, Font size

Landforms Vocabulary

Volcano

anti-pattern. hover & cover


Example from plum.com

Drop down menu shows on hover and gets in the way. Too easy to accidentally turn it on.



▼ Click to filter by: alternative, alternative & punk, art, da vinci code, example, flowers, flowers%2c%20plum%2c%20crocus, introduction, music, norway, plum, restaurant, rock, san francisco, summer, sunset, travel, vacation, video stamp, youtube [more...](#)

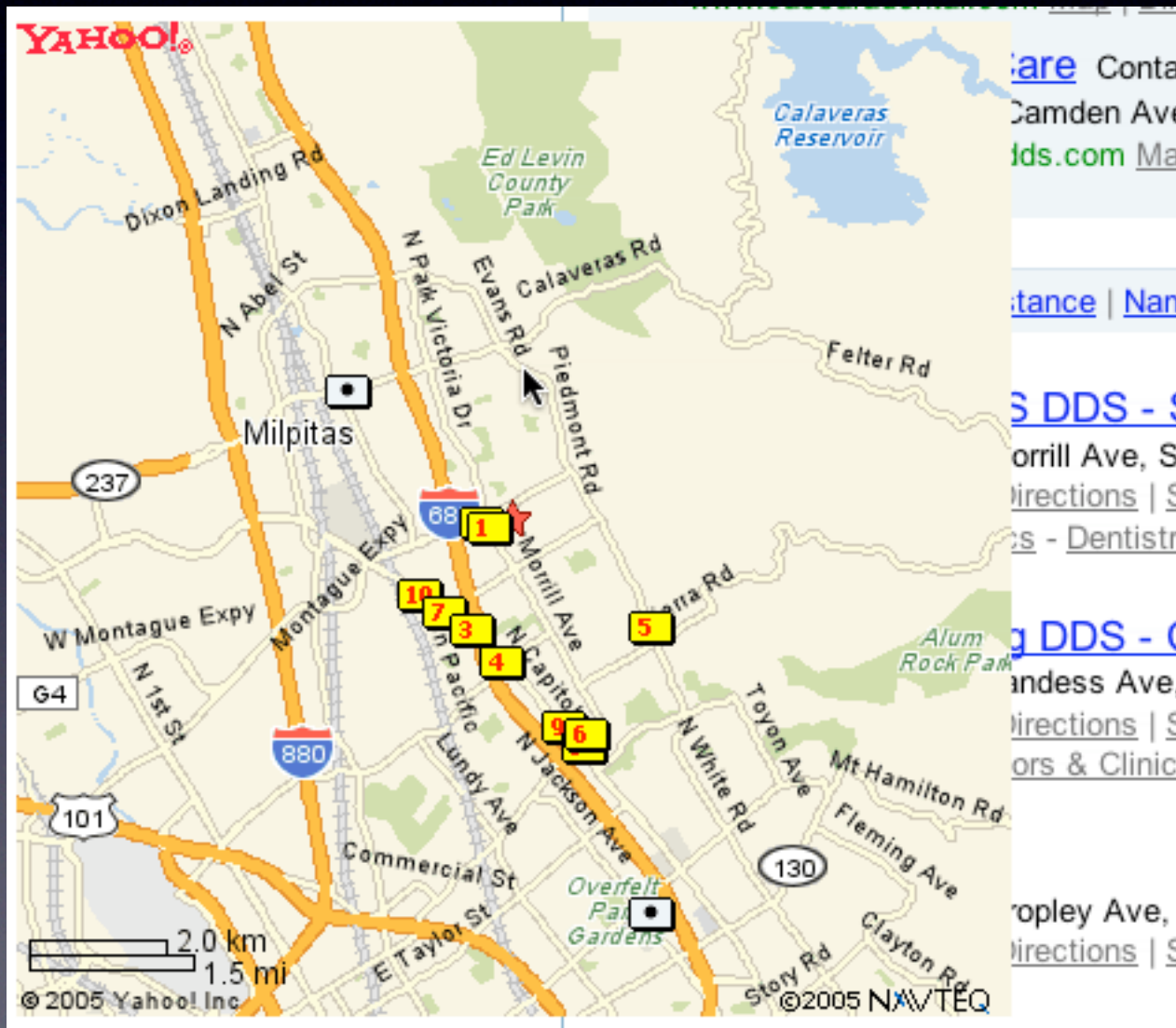
1 through 20 of 33,883 results 

			
football	mm	CoolBlueClouds	i aint bowved

anti-pattern. hover & cover

Yahoo! Local originally had this hover beast.

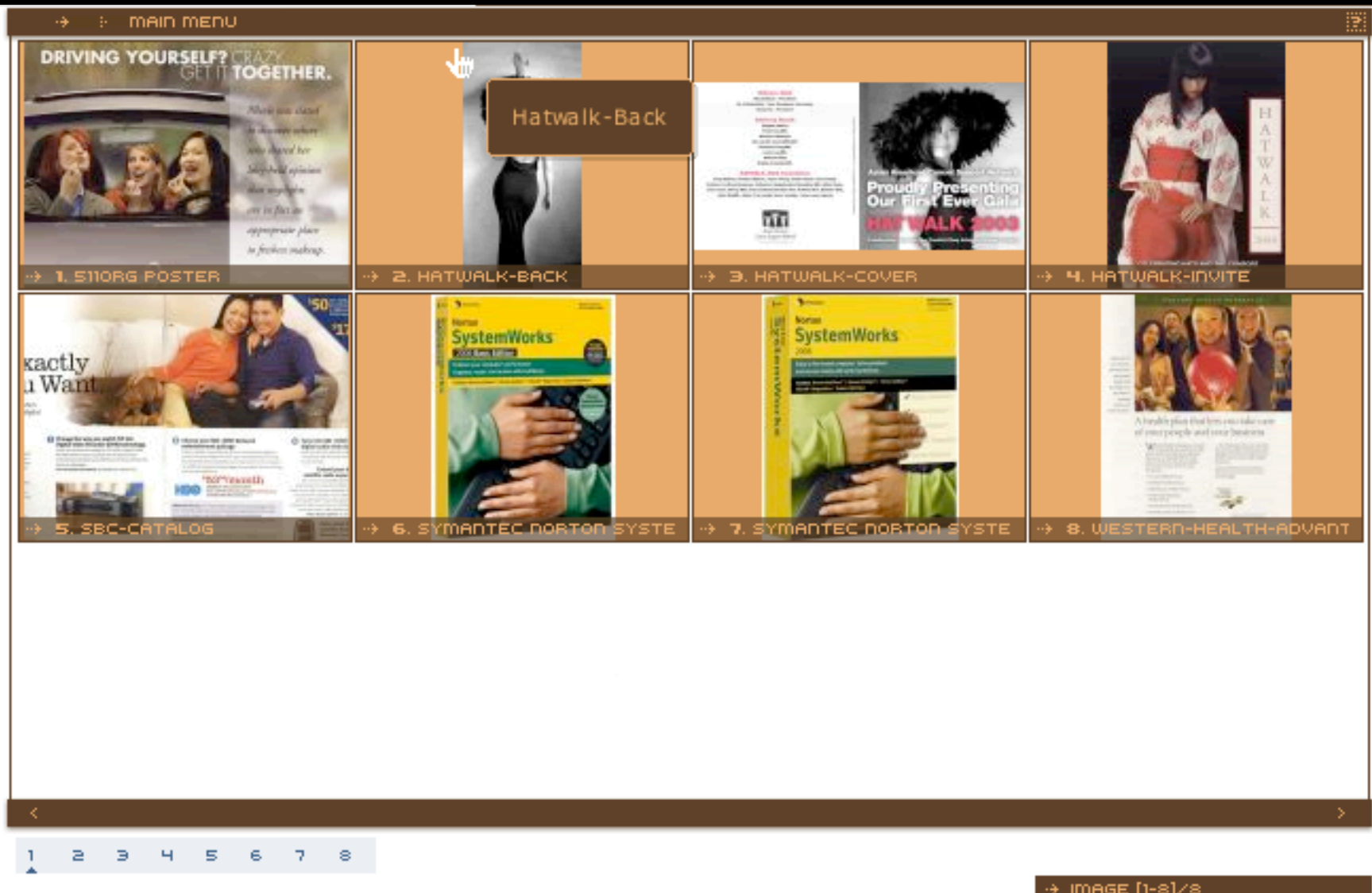
Thankfully it no longer functions this way :-)



anti-pattern. hover & cover

This one almosts leads to a new anti-pattern-- hover madness

Seriously what were they thinking?



refactoring. hover & cover

For in-context tools, attempt to **reserve same space** for both hovered and non-hovered state

For hover details (information) place the hover in a manner that **does not cover** up important controls, will not cause accidentally popup & down and is easy to deactivate.

For hover details, **allow a 1/4 second** delay before activating.

For in-context tools, **show** hover state **immediately** and provide **consistent targeting** for operations from object to object (allow user to get action item just in time)

The screenshot displays a movie recommendation interface. At the top, it says "Bill, the following movies were chosen based on your interest in:" followed by links for "Animal Crackers", "Something the Lord Made", and "X2: X-Men United". Below this, a movie card for "Monkey Business" is shown. It features a movie poster, a red "Add" button, a star rating of 5 stars, and a "Read More" link. A yellow starburst graphic is overlaid on the top right of the "Monkey Business" card. To the right of the "Monkey Business" card, there is a promotional banner for "All Discs Guaranteed!" with the text "You loved it. Now own it for just \$5.99" and a list of benefits: "FREE shipping", "original artwork", and "hardcover case". Below the "Monkey Business" card, a movie card for "Lackawanna Blues" is partially visible, showing a poster and the title. At the bottom right, there is a yellow button labeled "Rate Your".

anti-pattern. **borg idiom**

summary

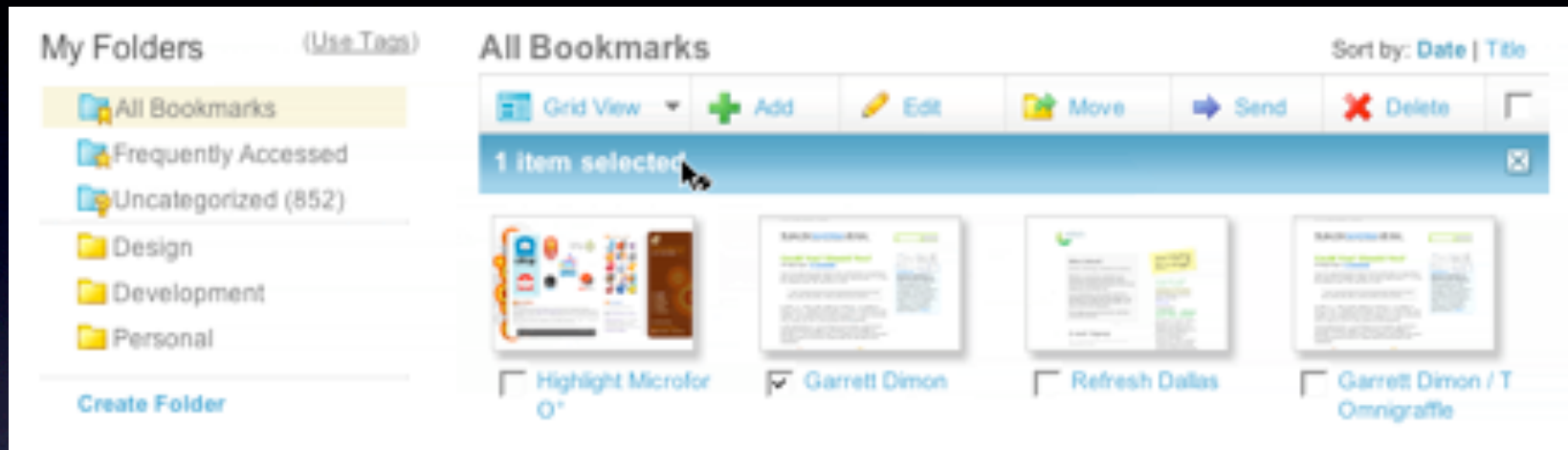
Not all idioms play well together. Some idioms are more powerful than others. For example, tree controls, drag and drop, selection mechanisms all set up an “interaction theme”.

Just like visual styles need to be consistent, interaction styles also need to be consistent throughout the entirety of the interface

Borg Idiom *is the phenomenon of an idiom (once adopted) assimilating the rest of the interface. Sometimes the assimilation is just the fact that one idiom dominates due to the way the interface clues the user to their presence.*

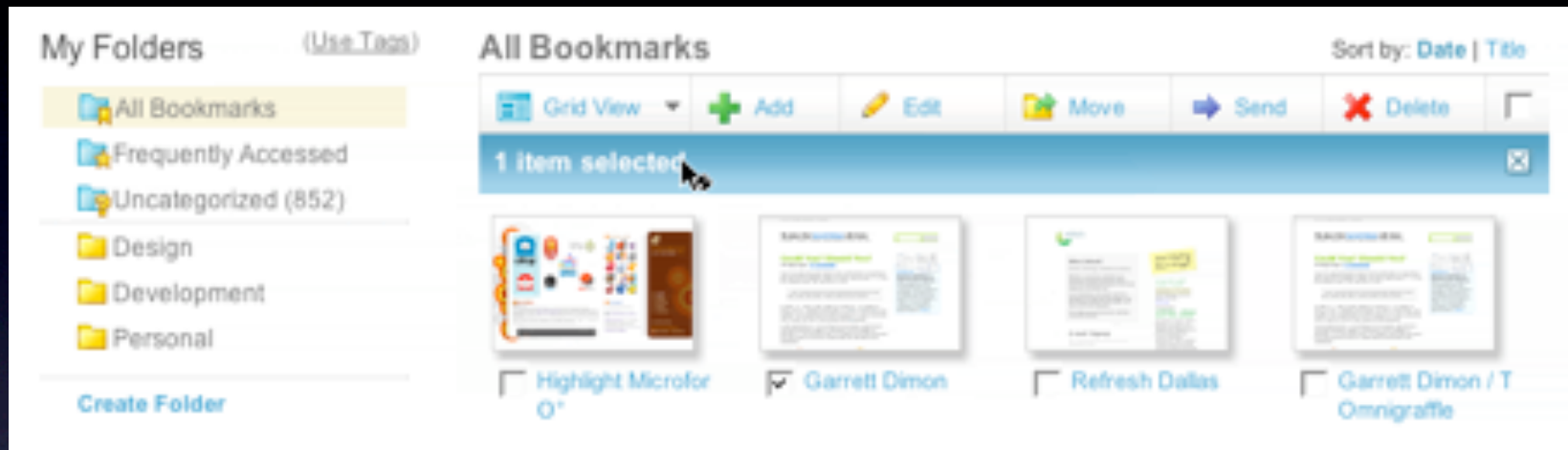
anti-pattern. borg idiom

Here was an early attempt on Yahoo! Bookmarks to blend drag and drop with item selection (checkbox idiom). It has odd side effects during the interaction.

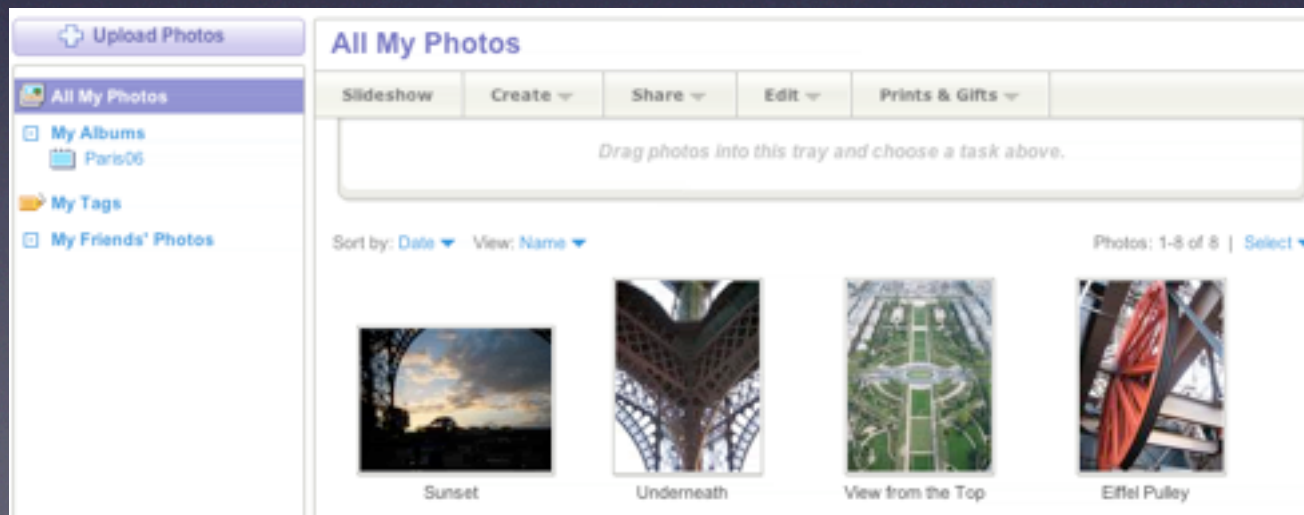


anti-pattern. borg idiom

Here was an early attempt on Yahoo! Bookmarks to blend drag and drop with item selection (checkbox idiom). It has odd side effects during the interaction.



In Yahoo! Photos (no longer available) drag selection was implemented well. One issue was the page metaphor + drag selection + a tray idiom.



anti-pattern. borg idiom

Original design did not accurately reflect the hierarchical nature of projects containing documents.

The tab idiom incorrectly communicated that these objects were in parallel.

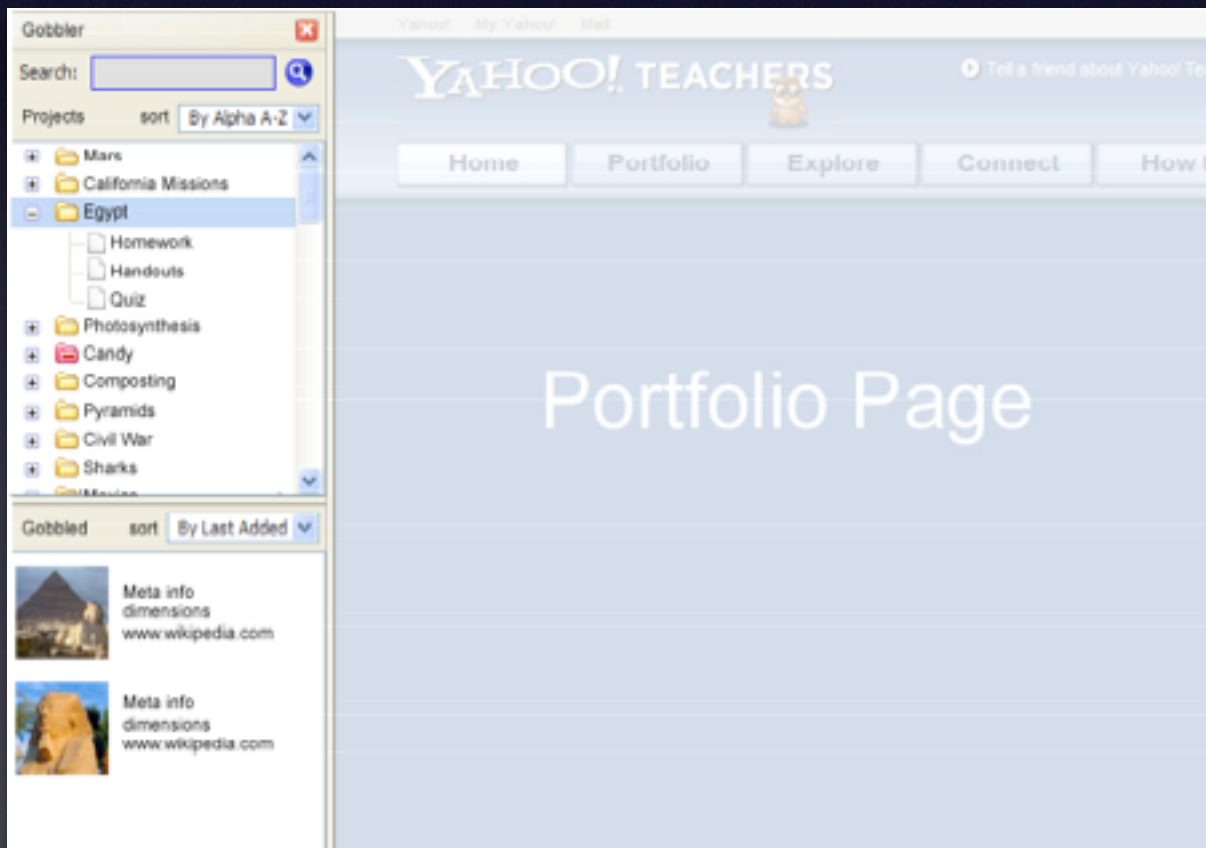
The screenshot shows a user profile for Bill Scott with 21 projects. A yellow button labeled 'Create a new Project' is visible. Below the profile, there are three tabs: 'Scratchpad (1112)', 'Projects (9)', and 'Documents (10)'. The 'Projects' tab is active and displays a table of project entries. The 'Documents' tab is partially visible behind it, indicating that these two categories are treated as parallel options rather than a hierarchy where documents belong to projects.

Project name	Last update	Description	Topic
 Lady Bird Johns... 8 days ago	15 seconds ago	Introduces students to a variety of land forms in the United States. Location of the landforms is also explored.	Social studies, the arts
Geography: Landforms Copy ★ 0	5 days ago	Método de	Language

anti-pattern. borg idiom

An initial redesign proposed using a tree control. It would communicate projects contain documents. It would also become a navigation that would naturally repeat itself to the “gobbler” as well

Tree controls are a “strong” idiom. They are not very friendly on the web. They require some dexterity to navigate. They play better on a desktop where “controls” are favored over “active content”.



anti-pattern. borg idiom

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anti-pattern. borg idiom

The final approach was to take a more content-driven approach rather than a “control-oriented” approach. This fit nicely with the rest of the interface, leaving all of the site to look like normal web pages.

The screenshot displays a user interface for a portfolio. At the top, there is a header section titled "My Portfolio" with a yellow button labeled "+ Create a new project". To the right, it shows "7 projects in my portfolio" and "10 documents in my portfolio". Below the header, there are sorting options: "SORT BY: Most recent | A - Z | Most points".

The main content area features a list of projects. The first project is expanded, showing a card with a placeholder image (a grey square with an 'X'), a title "Project Name Here (last updated 20 hours ago)", and actions "view" and "delete". The card content includes a "Subject area here" with a description: "Project description lorem ipsum dolor sit amet, consectetur adipiscing elit. Curabitur molestie sodales leo. Cras consequat elementum quam. Morbi lacus libero, interdum et, hendrerit eget, ultrices vitae, augue." Below this is "CA, Grade 4, 5" and a "View Standards" link. An "edit project info" button is also present.

Underneath the project card is a "DOCUMENTS:" section listing two documents, each with a "Document Name Here" title, a timestamp (e.g., "last updated 3 days ago"), and a URL "sampledocumenturl.com". Each document has "preview", "edit", and "delete" actions.

At the bottom, there are three more project cards, each with a "Project Name Here" title, a timestamp (e.g., "last updated 2 days ago"), and "view" and "delete" actions.

anti-pattern. borg idiom

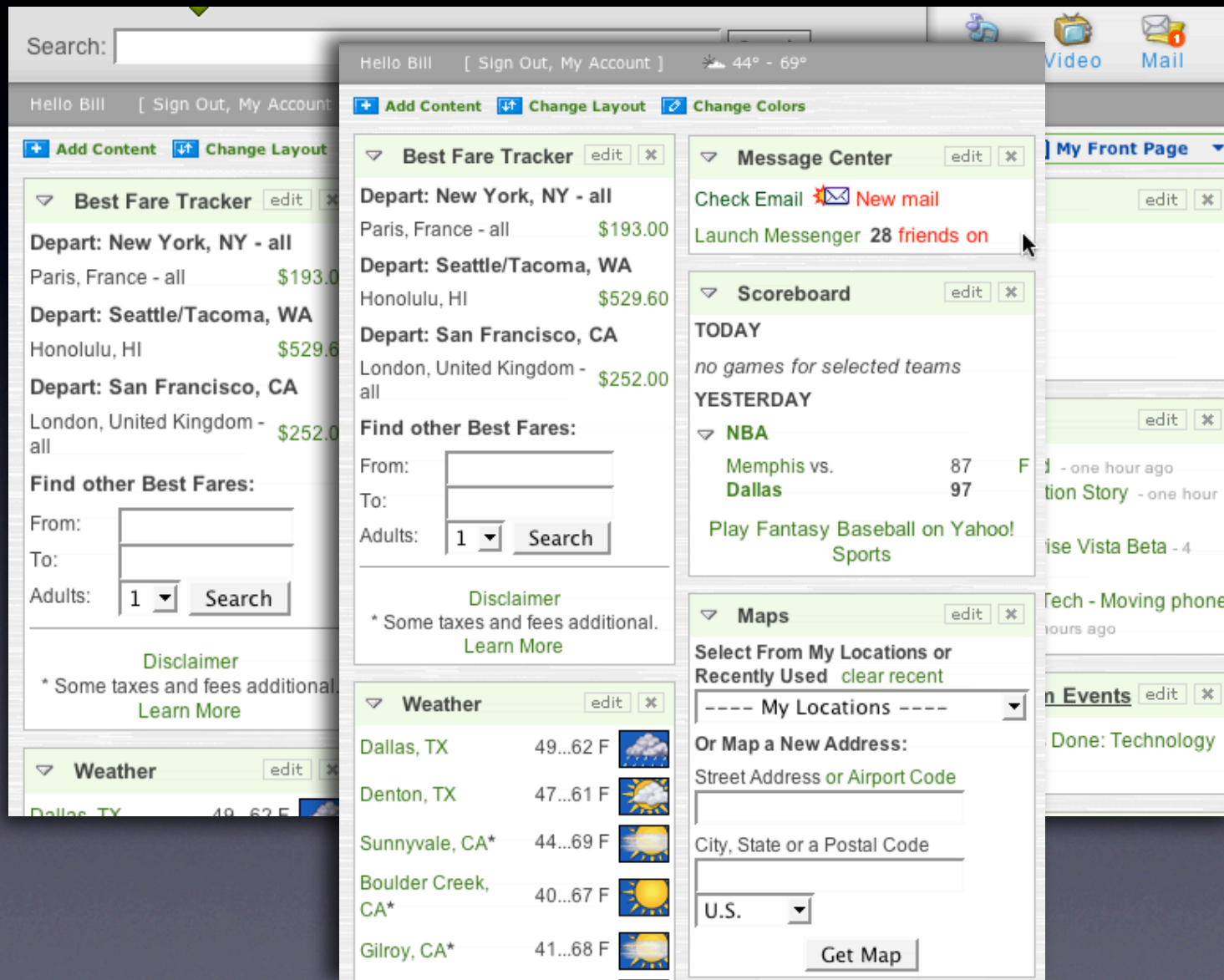
Three idioms living in parallel with each other. The old style overwhelms the other two.

The screenshot displays a Yahoo! My Front Page dashboard with a search bar at the top and navigation links for Music, Video, and Mail. The dashboard is organized into several widget columns:

- Best Fare Tracker:** Lists flight options from New York, NY to Paris, France (\$193.00), Seattle/Tacoma, WA to Honolulu, HI (\$529.60), and San Francisco, CA to London, United Kingdom (\$252.00). It includes a search form for other fares.
- Message Center:** Features a 'Check Email' button with a 'New mail' notification and a 'Launch Messenger' button with a '28 friends on' notification.
- Scoreboard:** Shows 'no games for selected teams' for today and a game result for yesterday: Memphis vs. Dallas (87-97).
- Maps:** Offers options to 'Select From My Locations or Recently Used' or to 'Map a New Address'.
- eHub:** A list of links including Connotea, OnlyWire, LicketyTrip, Mecanbe, and Wufoo.
- Software News:** A list of news items such as 'Correction: Guidant Is Cited' and 'Microsoft Releases Enterprise Vista Beta'.
- BayCHI Monthly Program Events:** A list of events including '2006/03/14: Getting Things Done: Technology and Practice'.
- Weather:** A partial view of a weather widget for Dallas, TX.

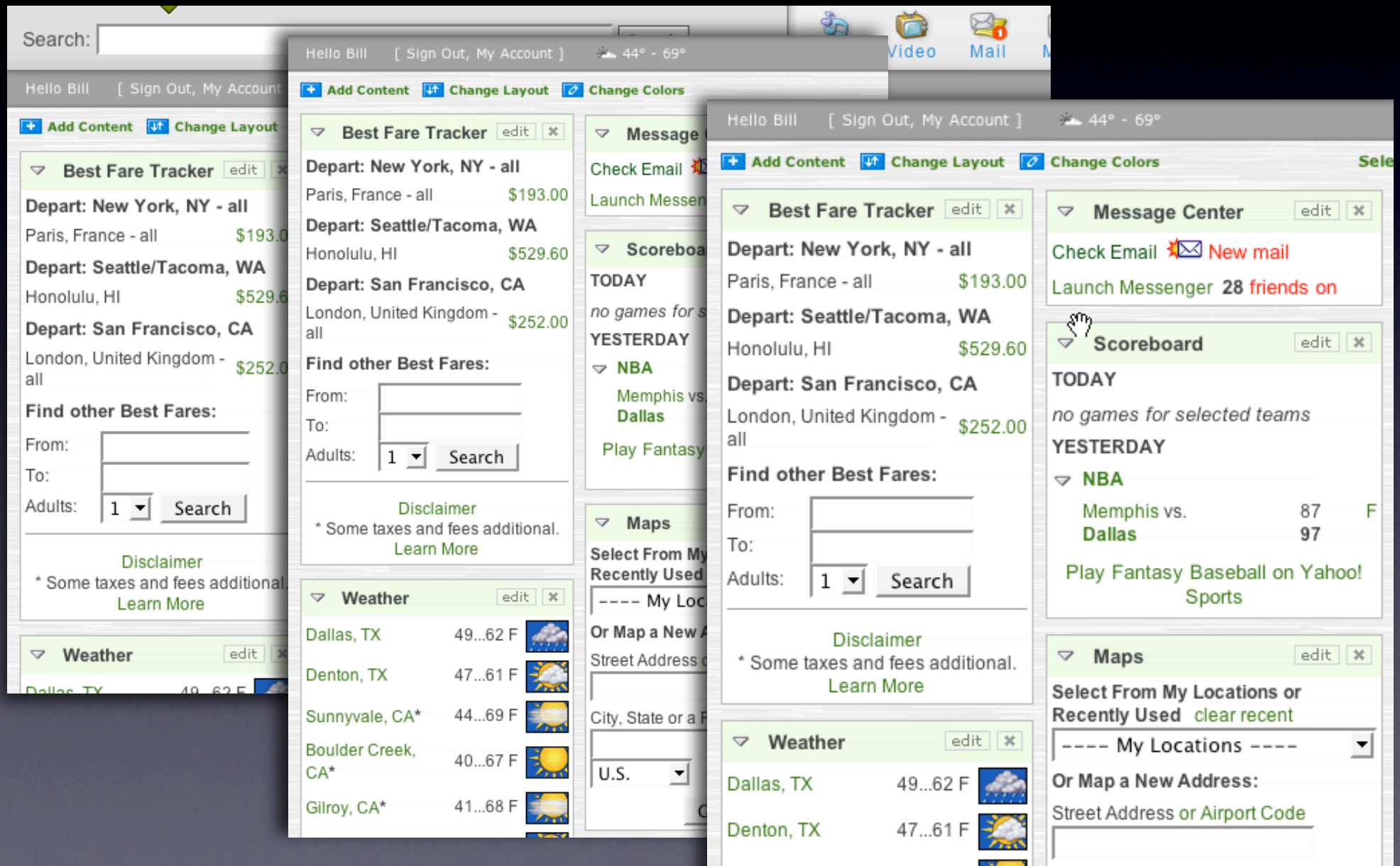
anti-pattern. borg idiom

Three idioms living in parallel with each other. The old style overwhelms the other two.



anti-pattern. borg idiom

Three idioms living in parallel with each other. The old style overwhelms the other two.



anti-pattern. borg idiom

Netflix recently added drag/drop to their movie queue.

Notice they were able to mix two idioms without one taking over from the other.




DVDs in Your Queue							Update Your Queue	
Priority	Movie Title	Star Rating	MPAA	Genre	Availability	Remove	Move to Top	
1	SCTV Network 90: Vol. 2: Disc 1	★★★★★	NR	Television	Now	<input type="checkbox"/>	▲	
2	SCTV Network 90: Vol. 2: Disc 3	★ Series Disc	NR	Television	Now	<input type="checkbox"/>	▲	
3	SCTV Network 90: Vol. 2: Disc 4	★ Series Disc	NR	Television	Now	<input type="checkbox"/>	▲	
4	The Truman Show	★★★★☆	PG	Comedy	Now	<input type="checkbox"/>	▲	
5	SCTV Network 90: Vol. 2: Disc 5	★ Series Disc	NR	Television	Now	<input type="checkbox"/>	▲	
6	Take the Money and Run	★★★☆☆	R	Comedy	Now	<input type="checkbox"/>	▲	
7	The Gathering Storm	★★★☆☆	NR	Drama	Now	<input type="checkbox"/>	▲	

anti-pattern. borg idiom

Two approaches. Object selection (highlight idiom). Item selection (checkbox idiom). Is it possible to marry the two?

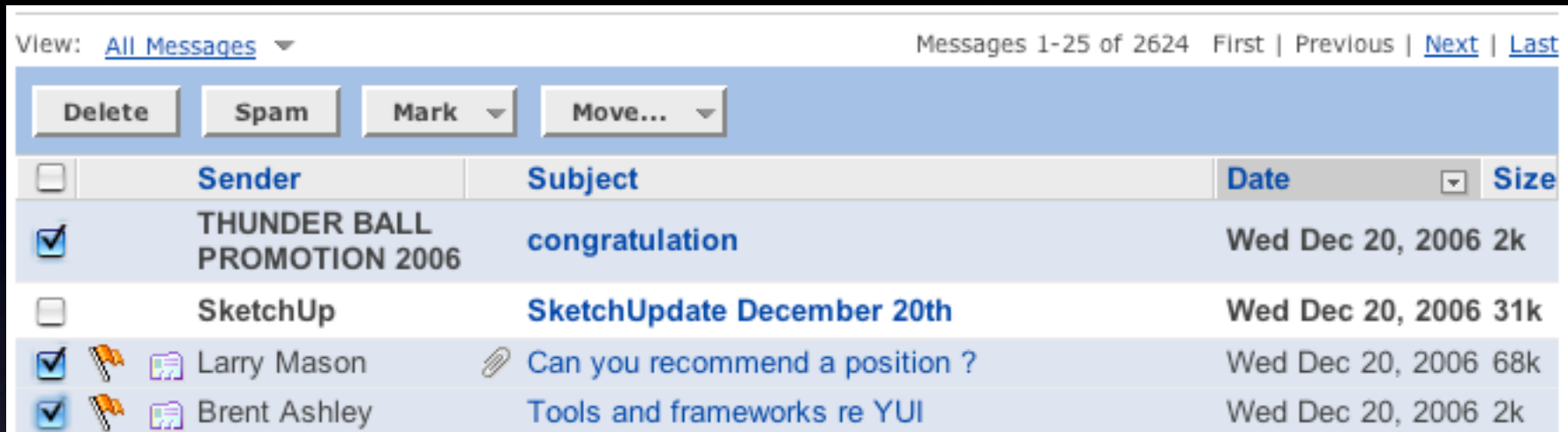
View: [All Messages](#) ▾ Messages 1-25 of 2624 First | Previous | [Next](#) | [Last](#)

Delete Spam Mark ▾ Move... ▾

<input type="checkbox"/>	Sender	Subject	Date	Size
<input checked="" type="checkbox"/>	THUNDER BALL PROMOTION 2006	congratulation	Wed Dec 20, 2006	2k
<input type="checkbox"/>	SketchUp	SketchUpdate December 20th	Wed Dec 20, 2006	31k
<input checked="" type="checkbox"/>	 Larry Mason	 Can you recommend a position ?	Wed Dec 20, 2006	68k
<input checked="" type="checkbox"/>	 Brent Ashley	Tools and frameworks re YUI	Wed Dec 20, 2006	2k

anti-pattern. borg idiom

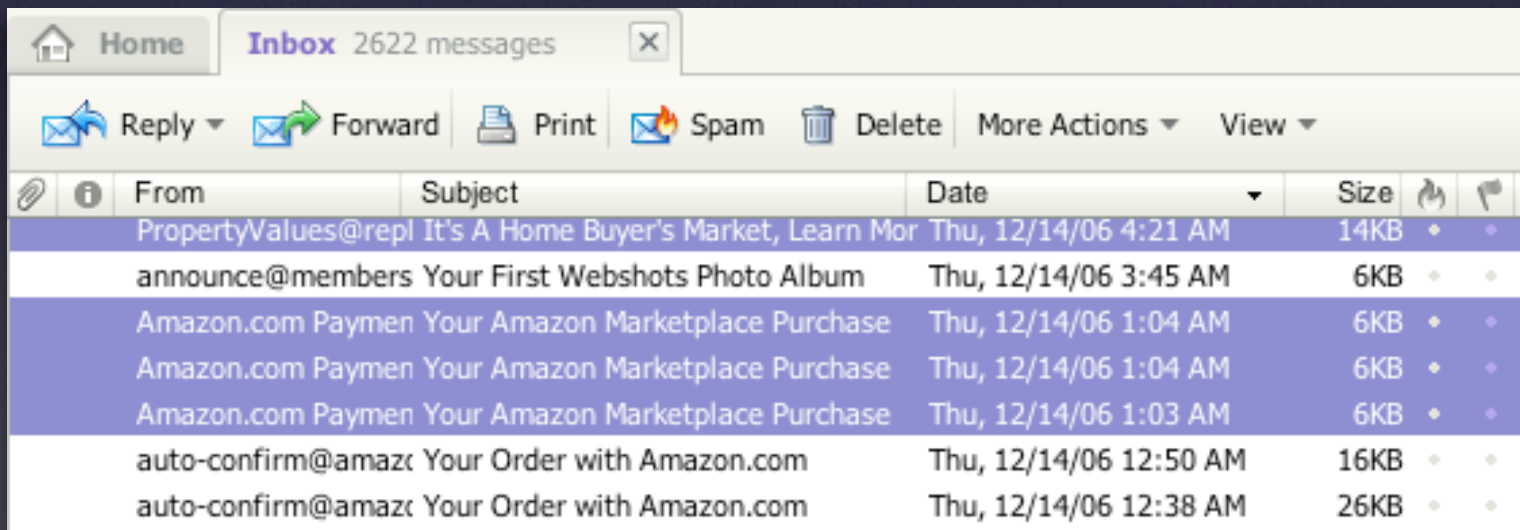
Two approaches. Object selection (highlight idiom). Item selection (checkbox idiom). Is it possible to marry the two?



View: [All Messages](#) Messages 1-25 of 2624 First | Previous | [Next](#) | [Last](#)

Delete Spam Mark Move...

<input type="checkbox"/>	Sender	Subject	Date	Size
<input checked="" type="checkbox"/>	THUNDER BALL PROMOTION 2006	congratulation	Wed Dec 20, 2006	2k
<input type="checkbox"/>	SketchUp	SketchUpdate December 20th	Wed Dec 20, 2006	31k
<input checked="" type="checkbox"/>	Larry Mason	Can you recommend a position ?	Wed Dec 20, 2006	68k
<input checked="" type="checkbox"/>	Brent Ashley	Tools and frameworks re YUI	Wed Dec 20, 2006	2k



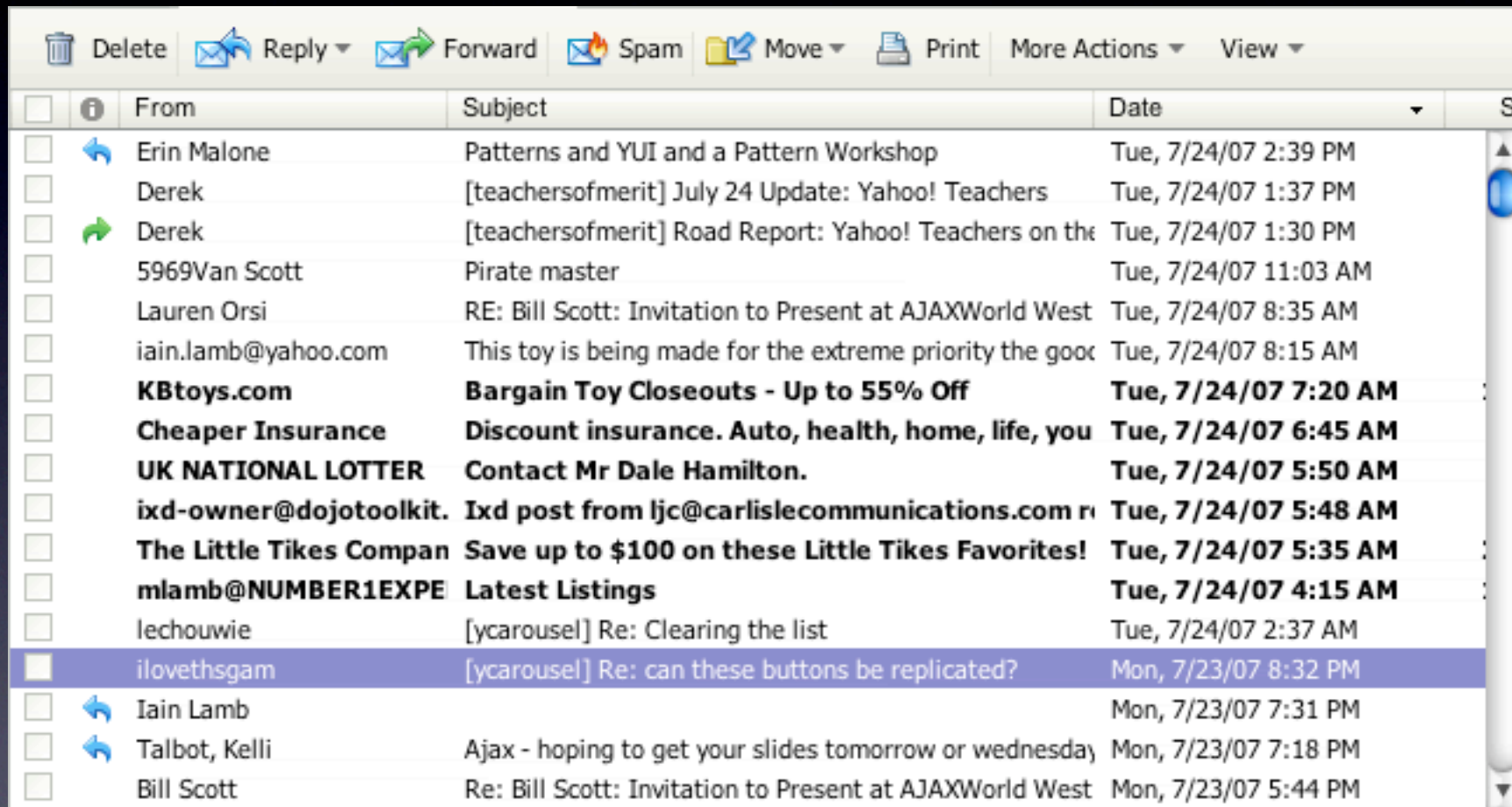
Home **Inbox** 2622 messages

Reply Forward Print Spam Delete More Actions View

From	Subject	Date	Size
PropertyValues@repl	It's A Home Buyer's Market, Learn Mor	Thu, 12/14/06 4:21 AM	14KB
announce@members	Your First Webshots Photo Album	Thu, 12/14/06 3:45 AM	6KB
Amazon.com Paymen	Your Amazon Marketplace Purchase	Thu, 12/14/06 1:04 AM	6KB
Amazon.com Paymen	Your Amazon Marketplace Purchase	Thu, 12/14/06 1:04 AM	6KB
Amazon.com Paymen	Your Amazon Marketplace Purchase	Thu, 12/14/06 1:03 AM	6KB
auto-confirm@amazc	Your Order with Amazon.com	Thu, 12/14/06 12:50 AM	16KB
auto-confirm@amazc	Your Order with Amazon.com	Thu, 12/14/06 12:38 AM	26KB

anti-pattern. borg idiom

Current Yahoo! Mail successfully married the two interaction idioms. It did it in a way that you can use either idiom as both have their advantages.



<input type="checkbox"/>		From	Subject	Date	S
<input type="checkbox"/>		Erin Malone	Patterns and YUI and a Pattern Workshop	Tue, 7/24/07 2:39 PM	
<input type="checkbox"/>		Derek	[teachersofmerit] July 24 Update: Yahoo! Teachers	Tue, 7/24/07 1:37 PM	
<input type="checkbox"/>		Derek	[teachersofmerit] Road Report: Yahoo! Teachers on the	Tue, 7/24/07 1:30 PM	
<input type="checkbox"/>		5969Van Scott	Pirate master	Tue, 7/24/07 11:03 AM	
<input type="checkbox"/>		Lauren Orsi	RE: Bill Scott: Invitation to Present at AJAXWorld West	Tue, 7/24/07 8:35 AM	
<input type="checkbox"/>		iain.lamb@yahoo.com	This toy is being made for the extreme priority the goo	Tue, 7/24/07 8:15 AM	
<input type="checkbox"/>		KBtoys.com	Bargain Toy Closeouts - Up to 55% Off	Tue, 7/24/07 7:20 AM	
<input type="checkbox"/>		Cheaper Insurance	Discount insurance. Auto, health, home, life, you	Tue, 7/24/07 6:45 AM	
<input type="checkbox"/>		UK NATIONAL LOTTER	Contact Mr Dale Hamilton.	Tue, 7/24/07 5:50 AM	
<input type="checkbox"/>		ixd-owner@dojotoolkit.	Ixd post from ljc@carlislecommunications.com r	Tue, 7/24/07 5:48 AM	
<input type="checkbox"/>		The Little Tikes Compan	Save up to \$100 on these Little Tikes Favorites!	Tue, 7/24/07 5:35 AM	
<input type="checkbox"/>		mlamb@NUMBER1EXPE	Latest Listings	Tue, 7/24/07 4:15 AM	
<input type="checkbox"/>		lechouwie	[ycarousel] Re: Clearing the list	Tue, 7/24/07 2:37 AM	
<input checked="" type="checkbox"/>		ilovethsgam	[ycarousel] Re: can these buttons be replicated?	Mon, 7/23/07 8:32 PM	
<input type="checkbox"/>		Iain Lamb		Mon, 7/23/07 7:31 PM	
<input type="checkbox"/>		Talbot, Kelli	Ajax - hoping to get your slides tomorrow or wednesday	Mon, 7/23/07 7:18 PM	
<input type="checkbox"/>		Bill Scott	Re: Bill Scott: Invitation to Present at AJAXWorld West	Mon, 7/23/07 5:44 PM	

refactoring. borg idiom

For content-oriented rich sites, **avoid** becoming **control-heavy**. Stay away from the tree control and other strong desktop style controls. Make your content interactive, thus making the content the control.

Before adding any interaction style, **make sure it will scale** across all known parts of your interface.

Either allow yourself to be assimilated (be consistently borg :-) or eliminate the Borg from your site.

Watch out when mixing drag and drop with checkbox style selection.

Avoid mixing selection styles.

anti-pattern. **novel notion**

summary

Creating a new interface for a common idiom that is more confusing than the original. Sometimes it is just misusing a component for a new purpose.

examples

Using drag and drop for simple attribute setting; using odd navigation schemes for some supposed effect

anti-pattern. novel notion

This is just bizarre. Especially the "Search Jobs" link. And it plays music ;-)



anti-pattern. novel notion

This is just bizarre. Especially the "Search Jobs" link. And it plays music ;-)



anti-pattern. **novel notion**

This guy won an award! Look it's just marking stuff as 'favorite'.



anti-pattern. novel notion

This guy won an award! Look it's just marking stuff as 'favorite'.



And this is yet another novel approach to favorites

The screenshot shows the WatchThisNext website. At the top is a green header with the logo "WatchThisNext" and the tagline "Drag n' Drop DVD Recommendations". Navigation links for "Start Over" and "Contact Us" are in the top right. Below the header is a row of four DVD recommendation cards, each with a small image and a "Find out more" link. The cards are for "Mean Creek", "Prokofiev - Ivan the Terrible / Mukhamedov, Bessmerinova, Taranda, Zhuraitis, Bolshoi Ballet", "City Heat", and "The Rainmaker". Below the cards is a section titled "Drag the DVDs into the boxes below" with a sub-instruction: "When we suggest a DVD you like, click the 'find out more' link to see more information or buy the DVD." At the bottom are three empty boxes for user feedback, labeled "Loved It", "Haven't Seen It", and "Loathed It", each with a brief instruction.

anti-pattern. novel notion

This guy won an award! Look it's just marking stuff as 'favorite'.



And this is yet another novel approach to favorites

WatchThisNext Start Over Contact Us
Drag n' Drop DVD Recommendations

 Mean Creek Find out more	 Prokofiev - Ivan the Terrible / Mukhamedov, Bessmerinova, Taranda, Zhuraitis, Bolshoi Ballet Find out more	 City Heat Find out more	 The Rainmaker Find out more
--	---	---	---

Drag the DVDs into the boxes below

When we suggest a DVD you like, click the "find out more" link to see more information or buy the DVD.

Loved It Or show me more like this.	Haven't Seen It Or I'm not interested in it.	Loathed It Or don't show me DVDs like this.
---	--	---

Already solved.

Classics

Recommendations

High Plains Drifter
★★★★★
 Not Interested
Amid shoot-outs and existentialism, a mysterious stranger (Clint Eastwood, who also directs) is hired to protect a small town from outlaws. But his recipe for defense could be a deal with the devil, and soon, even the enigmatic gunslinger's ... [Read More](#)

The Great Escape
★★★★★
 Not Interested
Director John Sturges's Oscar-nominated adventure classic follows the true tale of a group-escape attempt from one of Germany's toughest prisoner-of-war camps. Hundreds of Allied POWs join Roger "Big X" Bartlett (Richard Attenborough), Danny "The ... [Read More](#)

[More Recommendations >](#)

Featured Subg CLASSIC CO

Jane Eyre
[Add](#)
Jane, two up-ar yuppies who ex lifestyle before name for it. But his lucrative job [Read More](#)

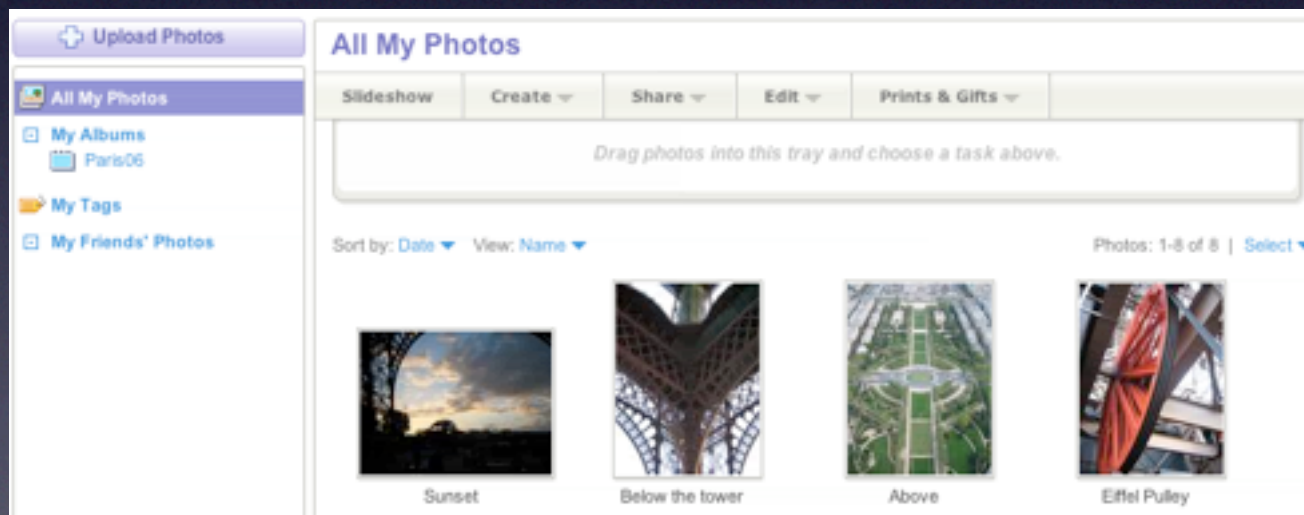
The African Queen
[Add](#)
again - this tim the life and time Perhaps the mo

anti-pattern. novel notion

Yahoo! Photos (going away) tried a novel approach to selection. It involved the new concept of a “tray” for holding temporarily selected items.

Technically perfect. But design-wise misguided. Created two targets for commands: selected items and items in the tray.

As a result the menu commands were duplicated for the tray and for the current selection. Confusing.



refactoring. novel notion

Understand the purpose of each type of **component**

- Carousels do not replace scrolled lists
- Drag and drop is not for single attribute setting

Don't construct an artificial interface to support an idiom (don't create the house for the nail)

If you think you need something never created before, **think twice** about it

anti-pattern. **linkitus**

summary

The syndrome of having no idea where a link will lead you. could be an in page action, could reveal information, could take you to new page, could popup something, could engage on hover. Can also be aggravated by inconsistent use of links on the same page.

examples

yahoo.com inconsistent use of links on main page, teachers.yahoo.com around id card

anti-pattern. linkitus

On the home page, there are three kinds of links:

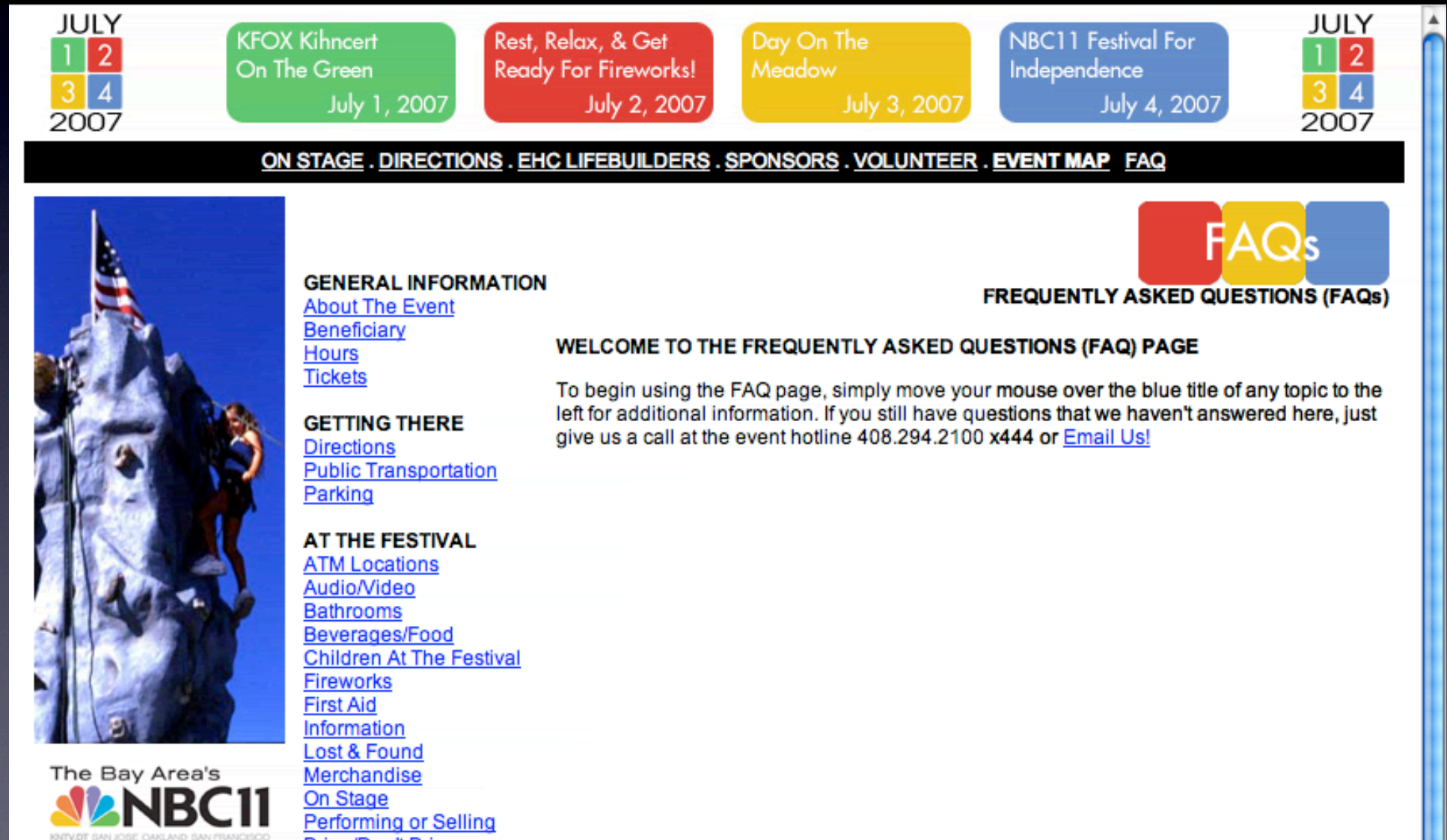
- Reveal other content in context
- Take you to the article
- Expose area (hover to reveal, click to go to tool)

The screenshot displays a news website interface. At the top, there are navigation tabs for 'Featured', 'Entertainment', 'Sports', and 'Life'. The date 'Jul 24, 2007' is shown. The main content area features a large article titled 'Best & worst smoothies' with a photo of a woman and a man drinking smoothies. Below this are several smaller article thumbnails with titles like 'Best and worst smoothies for your diet', 'NFL rankings: Where's your team ranked?', and 'Close plays a ruthless attorney in 'Damages''. A 'More Featured' link is at the bottom of this section. On the right side, there is a user greeting 'Hi, Bill' and a 'Sign Out' link. Below this are utility buttons for 'Mail 45 New', 'Messenger', 'Radio', 'Weather 78°F', 'Local', and 'Horoscope'. At the bottom right, there is a large orange banner for 'SUNDAY AUGUST 2007' with a large number '5' and a call to action: 'CAST YOUR VOTE FOR THE WINNING PROJECT BEFORE MIDNIGHT ON SUNDAY,'.

anti-pattern. linkitus

Bizarre use of links. Hover reveals information. Click does nothing.

Very close to being a candidate for Novel Notions.



JULY
1 2
3 4
2007

**KFOX Kihncert
On The Green**
July 1, 2007

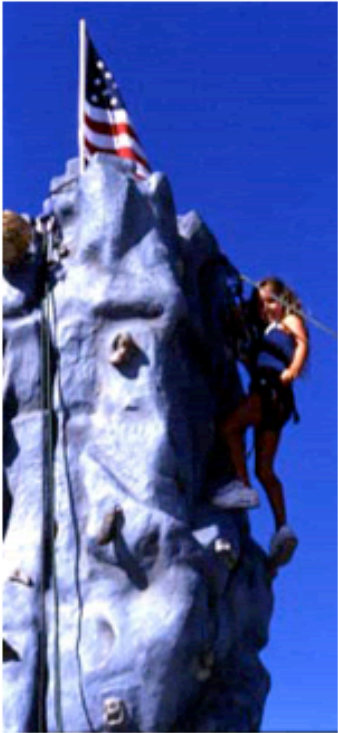
**Rest, Relax, & Get
Ready For Fireworks!**
July 2, 2007

**Day On The
Meadow**
July 3, 2007

**NBC11 Festival For
Independence**
July 4, 2007

JULY
1 2
3 4
2007

[ON STAGE](#) . [DIRECTIONS](#) . [EHC LIFEBUILDERS](#) . [SPONSORS](#) . [VOLUNTEER](#) . [EVENT MAP](#) [FAQ](#)



FAQs
FREQUENTLY ASKED QUESTIONS (FAQs)

GENERAL INFORMATION
[About The Event](#)
[Beneficiary](#)
[Hours](#)
[Tickets](#)

GETTING THERE
[Directions](#)
[Public Transportation](#)
[Parking](#)

AT THE FESTIVAL
[ATM Locations](#)
[Audio/Video](#)
[Bathrooms](#)
[Beverages/Food](#)
[Children At The Festival](#)
[Fireworks](#)
[First Aid](#)
[Information](#)
[Lost & Found](#)
[Merchandise](#)
[On Stage](#)
[Performing or Selling](#)
[Price/Desk Price](#)

WELCOME TO THE FREQUENTLY ASKED QUESTIONS (FAQ) PAGE

To begin using the FAQ page, simply move your mouse over the blue title of any topic to the left for additional information. If you still have questions that we haven't answered here, just give us a call at the event hotline 408.294.2100 x444 or [Email Us!](#)

The Bay Area's
NBC11
KINVDY SAN JOSE OAKLAND SAN FRANCISCO

anti-pattern. windows aplenty

summary

The practice of throwing up unnecessary idiot boxes. So many reasons this is just wrong..

The screenshot displays the Yahoo! Photos web interface. At the top, the 'YAHOO! PHOTOS' logo is on the left, and a user greeting 'Welcome, b.scott' with links for '[Sign Out, My Account]' is on the right. Below this is a navigation bar with icons and labels for 'Home', 'Prints & Gifts', 'View Cart', 'Settings', and 'Help'. A search box labeled 'Search My Tags' is positioned on the far right of this bar. On the left side, there is a vertical sidebar with a '+ Upload Photos' button at the top, followed by a list of navigation items: 'All My Photos', 'My Albums' (with a sub-item 'Paris06'), 'My Tags', and 'My Friends' Photos'. The main content area is titled 'All My Photos' and features a row of action buttons: 'Slideshow', 'Create', 'Share', 'Edit', and 'Prints & Gifts'. Below these buttons is a large, empty rectangular tray with the instruction 'Drag photos into this tray and choose a task above.' Underneath the tray, a 'Sort by: Date' dropdown menu is visible. Three photo thumbnails are displayed in a row, each with a caption below it: 'Sunset' (a landscape photo of a sunset), 'Underneath' (a low-angle shot of the Eiffel Tower's lattice structure), and 'View from the Top' (an aerial view of a green field with a stadium in the background).

anti-pattern. **animation gone wild**

summary

Animation effects that become the central focus instead of being part of reinforcing a message.

examples

amazon carousel, tab animation, (stuff from transition talk)

anti-pattern. animation gone wild

Why the extra little slide in?






11 Step Eleven

Water thoroughly so the soil is moist to a depth of 6 to 8 inches.

12 Step Twelve

Keep the seed bed moist (but not soggy) until sod roots knit with soil below. In hot weather, you may have to water more than once a day.

Tips & Warnings

-  Lay the sod on dry soil to avoid a muddy mess.
-  When laying sod, kneel on a piece of plywood so you don't disturb soil or damage sod, and use kneepads to keep your knees from getting sore.
-  Laying sod is hard work. Enlist the help of friends, and use a wheelbarrow to cart pieces around.
-  Keep [pets](#) and kids off your new lawn by enclosing it with stakes and string.
-  Avoid letting sod dry out, whether it's stacked in a pile or already laid. Occasionally sprinkle with water from a handheld hose to keep it moist,

anti-pattern. animation gone wild

Wow! What more can I say?

Seems to be either a pixel at a time or going so fast you can't use it

Our Favorites for Summer (Re)Reading



anti-pattern. animation gone wild

More from the gratuitous animation department...



AFI's 100 Years...100 Movies — 10th Anniversary Edition

A new decade, a new countdown.
AFI reveals the 100 greatest movies of all time

AFI Home | About AFI | Become a Member | AFI Insiders



100



AFI's 100 Years 100

anti-pattern. animation gone wild

*Not sure how much animation does for a tab control?
Candidate for Novel Notions*



Sites



Files



Editor



Preview



CSS



Terminal



Books

Terminal: built right in.

OK, it's not very sexy. In fact, it's quite the opposite. But Coda is all about the little things that make your web development a squidgeon easier. If you need to SSH into a server and run some MySQL queries, or restart Apache, or debug some PHP in real time, there's only one way you're gonna do it: terminal. **Coda's got a terminal one mouse click away.**

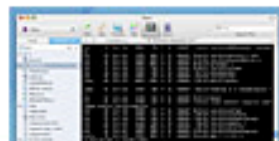


```
egrep 'bell|whistle' /usr/share/dict/web2
```

Features? Our terminal has 'em. Connect to a local shell or connect via SSH to a remote server. Put a Terminal in a split, or put a Terminal in its own tab. Copy and paste from the output, or scroll back into the buffer. It's a terminal! And it's convenient!

```
export CLICOLOR=1
```

Wait! There's kind of more! ANSI colors also work! You can also, via the preferences, change the font and background colors, or the terminal font itself. Unfortunately, you can't yet set the background to a picture of Arwyn. But e-mail us, we'll always consider it.



anti-pattern. animation gone wild

Yahoo! My Yahoo! Mail Help Search: Web Search

YAHOO! LOCAL Welcome, b.scott Sign Out 74°F

City Guide My Local Directory

drain repair San Jose, CA Search

San Jose City Guide > drain repair CATEGORY SPONSORS

- 1 **C & K Drain Plumbing Repair** - Why Pay More? Call and Compare. Call Anytime (408) 483-1044, 3560 Flora Vista Ave # 204, Santa Clara, CA
Get directions

Results 1-10 out of 318 total (About these results)

Narrow your search by category, rating, and more.

Sorted by: top results | distance Print results

Yahoo: Report bad local results or ads for this query.

- 1 Plumber by Lalos Sewer & Drain Cleaning Services** ★★★★★ (1) 0.87 mi
(408) 590-6547
471 N 18th St, San Jose, CA
Get Directions
www.zoneprofiles.com/plumberinsanjose.html
Write a review
- 2 Sunnyvale Storm Drain Repairs** ★★★★★ 6.22 mi
(408) 730-7510
221 Commercial St, Sunnyvale, CA
Get Directions
Write a review
- 3 C & K Drain Plumbing Repair** ★★★★★ 5.10 mi
Merchant verified
(408) 483-1044
3560 Flora Vista Ave # 204, Santa Clara, CA
Get Directions
Write a review
- 4 Alum Rock Hardware** ★★★★★ (2) 2.49 mi
(408) 258-6084
2243 Alum Rock Ave, San Jose, CA
Get Directions
www.acehardware.com/
jcgarc55- "Wayne was very helpful and informative. They know what..." more
- 5 YOUR PLUMBING SPECIALIST** ★★★★★
(408) 832-1445
Write a review

Zoom in and search the map

SPONSOR RESULTS

- Smart Plumbers & Rooters**
Get professional services. warranty and fixing right now.
www.SmartPlumber.org
- Rescue Rooter Plumbing**
Get \$25 off any plumbing service. Schedule an appointment today.
www.rescueroooter.com
- Plumbing Repair**
Affordable Plumbing Repairs and Installations in Windsor, CA.
SimeonePlumbing.com

TV Listings



Select a provider to choose your favorite channels.

	Tue Mar 20	Wed Mar 21	Thu Mar 22	Fri Mar 23	Sat Mar 24
	10:00am		11:00am		12:00pm
ABC			The View TV14 (CC)		Local Programming (CC)
CBS			The Price Is Right TVG (CC)	Local Programming (CC)	The Young and the I TV14 (CC)
FOX					
NBC	Local Programming (CC)				
PBS	Local Programming (CC)	Between the Lions TVY (CC)	Sesame Street TVY (CC)	Mister Rogers' Neighborhood TVY (CC)	Curious George TVY (CC)
CW					
MNT					
PAX	Local Programming (CC)	Local Programming (CC)	Local Programming (CC)	Local Programming (CC)	Local Programming (CC)
AMC	V14				Midnight I MOVIE TV
BET					

TV Listings



Select a provider to choose your favorite channels.

	Tue Mar 20	Wed Mar 21	Thu Mar 22	Fri Mar 23	Sat Mar 24
	10:00am		11:00am		12:00pm
ABC			The View TV14 (CC)		Local Programming (CC)
CBS			The Price Is Right TVG (CC)	Local Programming (CC)	The Young and the I TV14 (CC)
FOX					
NBC	Local Programming (CC)				
PBS	Local Programming (CC)	Between the Lions TVY (CC)	Sesame Street TVY (CC)	Mister Rogers' Neighborhood TVY (CC)	Curious George TVY (CC)
CW					
MNT					
PAX	Local Programming (CC)	Local Programming (CC)	Local Programming (CC)	Local Programming (CC)	Local Programming (CC)
AMC	V14				Midnight I MOVIE TV
BET					

TV Listings



Display My Favorite Channels Only
[Select Favorites](#)

Tuesday, July 24 | 7 pm | [Go](#)

Jump to: [Now](#) | [Primetime Tonight](#)

	7:00pm	8:00pm	9:00pm
245 TNT	The Closer TV14 (CC) HDTV	Without a Trace TV14 (CC) HDTV	Without a Trace TV14 (CC) HDTV
247 TBS	MLB Baseball (CC)		
248 FX	Damages TVMA (CC)	Damages TVMA (CC)	That '70s Show TV14 (CC) Show
249 COMEDY	Mind of Mencia TV14 (CC)	American Body Shop TV14 (CC)	Daily Show With Jon Stewart TV14 (CC)
254 AMC	Patriot Games TV14 (CC)	Colbert Report TV14 (CC)	Rodney Carrington Live at the Majestic TV14 (CC)
256 TCM	Flying Tigers (CC)	Buffalo Soldiers TV14 (CC)	Air Force (CC)
265 A&E	Criss Angel: Mindfreak TVPG (CC)	Criss Angel: Mindfreak TVPG (CC)	Criss Angel: Mindfreak TVPG (CC)
266 BIO	Criss Angel: Mindfreak TVPG (CC)	Criss Angel: Mindfreak TVPG (CC)	Criss Angel: Mindfreak TVPG (CC)
269 HIST	Breaking Vegas TVPG (CC)	Dog the Bounty Hunter TVPG (CC)	Dog the Bounty Hunter TVPG (CC)
273	Ice Road Truckers TVPG (CC)	Mobsters TVPG (CC)	Notorious TVPG (CC)
	Ice Road Truckers TVPG (CC)	Modern Marvels TVPG (CC)	Mega Disasters TVPG (CC)
	Kathy Griffin: My Life on the D-List	Flipping Out	Kathy Griffin: My Life on the D-List

TV Listings



Display My Favorite Channels Only
[Select Favorites](#)

Tuesday, July 24 7 pm Go

Jump to: [Now](#) | [Primetime Tonight](#)

	7:00pm	8:00pm	9:00pm
245 TNT	The Closer TV14 (CC) HDTV	Without a Trace TV14 (CC) HDTV	Without a Trace TV14 (CC) HDTV
247 TBS	MLB Baseball (CC)		
248 FX	Damages TVMA (CC)	Damages TVMA (CC)	That '70s Show TV14 (CC) Show
249 COMEDY	Mind of Mencia TV14 (CC)	American Body Shop TV14 (CC)	Daily Show With Jon Stewart TV14 (CC)
254 AMC	Patriot Games TV14 (CC)	Colbert Report TV14 (CC)	Rodney Carrington Live at the Majestic TV14 (CC)
256 TCM	Flying Tigers (CC)	Buffalo Soldiers TV14 (CC)	Air Force (CC)
265 A&E	Criss Angel: Mindfreak TVPG (CC)	Criss Angel: Mindfreak TVPG (CC)	Criss Angel: Mindfreak TVPG (CC)
266 BIO	Criss Angel: Mindfreak TVPG (CC)	Criss Angel: Mindfreak TVPG (CC)	Criss Angel: Mindfreak TVPG (CC)
269 HIST	Criss Angel: Mindfreak TVPG (CC)	Criss Angel: Mindfreak TVPG (CC)	Criss Angel: Mindfreak TVPG (CC)
273	Criss Angel: Mindfreak TVPG (CC)	Criss Angel: Mindfreak TVPG (CC)	Criss Angel: Mindfreak TVPG (CC)

refactoring. animation gone wild

Transitions should mean something. *They communicate.*

Understand the hierarchy of transition *communication*

- Rapid movement
- Rapid color change
- Slow movement
- Slow color change

*If you are refactoring a wild interface, simply **turn off all animations** and start by communicating fully without it, then **add it back in one at a time.***

anti-pattern. **missed moments**

summary

Not providing feedback throughout an interaction. These missed moments can confuse the user about what to do.

examples

Drag and drop is classic example.

solutions

Use interesting moments grid to think through each moment

anti-pattern. missed moments

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

anti-pattern. missed moments

Using Y! Photos as example again. Notice missing feedback at key point piles on the problems.

The screenshot displays the Yahoo! Photos user interface for a user named b.scott. The top navigation bar includes links for Home, Prints & Gifts, View Cart, Settings, and Help, along with a search box for tags. The main content area is titled "All My Photos" and features a toolbar with options for Slideshow, Create, Share, Edit, and Prints & Gifts. A central instruction reads, "Drag photos into this tray and choose a task above." Below this, a "Sort by: Date" dropdown is visible. The photo gallery shows three photos: "Sunset", "Underneath", and "View from the Top". The interface lacks clear feedback mechanisms for these key actions, such as confirmation messages or visual cues when a photo is added to the tray.

anti-pattern. **missed moments**

anti-pattern. missed moments

The screenshot displays the Zimbra webmail interface. On the left, a sidebar contains navigation elements: 'Mail' with a 'View' dropdown, 'Folders' (Inbox (7), Sent (2), Drafts, Junk (1), Trash, Open Source, Stash (2)), 'Searches' (Follow up, From External Domain, Unread, With attachments), 'Tags' (Customers (1), Industry News (2), Zimbra (10)), and 'Zimlets' (Search). Below the sidebar is a calendar for October 2006, with the 15th highlighted. At the bottom left, the time is 7:24 PM.

The main content area shows an email from 'Fred Friend' with the subject 'Skype Me and Map My Location'. The email body contains the following text:

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

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

[1101 Park Pl San Mateo CA 94403](#)

Let's try to catch up today.

Fred

anti-pattern. missed moments

Turns out that a number of events exist during drag and drop that we can use to our advantage.

The screenshot shows a web browser window with a USGS page and a Yahoo! Gobbler sidebar. The USGS page features a banner with the text "USGS science for a changing world" and "Hawaiian Volcano Observatory". Below this is a blue bar with "Volcanic Hazards". The main heading is "When Lava Enters the Sea: Growth & Collapse of Lava Deltas". A photograph shows a fan-shaped lava delta extending into the ocean. The caption reads "Photograph by C. Heliker on November 12, 1992." Below the photo is a paragraph: "Only four days old, this fan-shaped lava delta (center of image) extends about 200 m into the ocean on the southeast coast of Kilauea Volcano, Hawai'i. The diffuse plume of white steam at the leading edge of the delta indicates that several small lava flows are". The sidebar on the right is titled "YAHOO! GOBBLER™" and contains sections for "Projects (8)", "Geography: Land...", "Birds' Nests", and "Scratchpad". Each section has a quote and a "gobble this web page" button. At the bottom is a "Return to Y! Teachers" button.

Step [TEXT ONLY]

Topo and 1250 major

Step

USGS
science for a changing world

Hawaiian Volcano Observatory

Volcanic Hazards

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

Photograph by C. Heliker on November 12, 1992.

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

YAHOO! GOBBLER™

Projects (8)

Geography: Land...

“ Only four days old, this fan-shaped lava delta (center of image) extends...” ”

gobble this web page

Birds' Nests

“ As waves splash over the advancing ”

gobble this web page

Scratchpad

gobble this web page

Return to Y! Teachers

refactoring. missed moments

Map out all the interesting moments.

Use the interaction matrix or other technique to map events to actors on the page.

Use the moments to communicate.

Its the nuance that matters.

Think... "interactive directions"

Moment-by-moment directions are the key. Users get lost easily

anti-pattern. **one at a time**

summary

When you can only update small pieces of the interface instead of doing things in a group.

examples

backpackit

anti-pattern. **one at a time**

Key is what is the workflow? One at a time or mutiple operations allowed.

These kind of interfaces (in context tools) always present a problem for doing operations on multiple items.

Pick Up at the Store


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

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anti-pattern. one at a time

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Complete: Internet Strategy Group Tal

 [Edit](#) 

- Sep. 1 - Refine presentation for business
- Try for webex; set up webex experiemen
- Send both presentations to get feedback
- Send presentation
- Contact: timothy.w.peck@exgate.tek.com
- Set up webex meeting

[Add an Item](#)

anti-pattern. one at a time

Takes one at a time check box to the extreme

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SHOWWATCH

series	alert me?	date start/end	network	time slot	status
AMAZING RACE, THE	<input type="checkbox"/>	9/5/01 - ???	CBS	completed airing its current season	returning next season (2007-2008 season)
AMERICAN INVENTOR	<input type="checkbox"/>	3/16/06 - ???	ABC	wednesdays (9:00 PM-10:00 PM EST)	returning this summer (yet to premiere)
AMERICA'S FUNNIEST HOME VIDEOS	<input checked="" type="checkbox"/>	1/14/90 - ???	ABC	completed airing its current season	returning next season (2007-2008 season)
AMERICA'S GOT TALENT	<input checked="" type="checkbox"/>	6/21/06 - ???	NBC	tuesdays (8:00 PM-9:00 PM EST)	returning this summer (yet to premiere)
AMERICA'S MOST WANTED: AMERICA STRIKES BACK	<input checked="" type="checkbox"/>	2/7/88 - ???	FOX	saturdays (9:00 PM-10:00 PM EST)	currently airing (2006-2007 season)

refactoring. **one-at-a-time**

Think about *what happens when the **data/information scales***
It affects space issues but also affects interaction density.

Think about doing multiple operations at once
Balance with immediacy

Watch out for in-context tools, in-page actions
These give immediacy but also will trap you into not handling multiple items at once.

Don't forget about the lowly checkbox
Not as sexy, but very servicable.

anti-patterns

big ball of mud. **meandering way.**

borg idiom. tiny targets. mystery meat.

buried treasure. **hover and cover.**

pogo stick navigation. novel notions.

against the flow. metaphor mismatch.

double duty. **linkitus.** blind type.

windows aplenty. animation gone wild.

misguided misdirections. unmarked hazards. **missed**

moments. missing scene.

one at a time. non-symmetrical actions.

NETFLIX

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Creative Director

Graphic Designer