

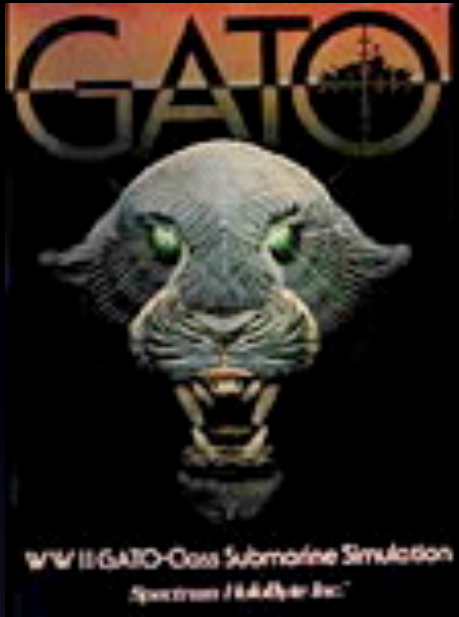
Anti-Patterns

Designing for the Poor Web Experience

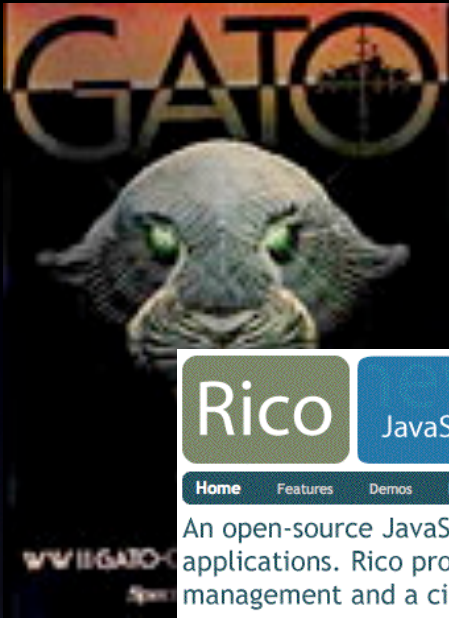
Bill Scott
Director UI Engineering, netflix.com
b.scott@yahoo.com



background



background



Rico

JavaScript for Rich Internet Applications

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

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

BACKGROUND

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

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

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

OPEN SOURCE

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

BROWSER SUPPORT

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

AJAX SUPPORT

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

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

DRAW AND DROP

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

CINEMATIC EFFECTS

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

BEHAVIORS

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

NEW! LiveGrid Behavior!



Check out the Alternative to Paging!



See Rico in Action!

background



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[Developer Network Home](#) [Help](#)

Site Search Search

YAHOO! DEVELOPER NETWORK

Design Pattern Library

[Yahoo! Developer Network](#) > Design Pattern Library

USER NEEDS TO

NAVIGATE

[Breadcrumbs](#)

Faceted Navigation

Fly-out Menus

Horizontal Bar

Hub and Spoke

Left Navigation

Tabs

Module Tabs

Navigation Tabs

EXPLORE DATA

Auto Complete

Calendar Picker

Pagination

Item Pagination

Search Pagination

ORGANIZE DATA

GIVE FEEDBACK

Ratings & Reviews

Architecture Review

Rating an Object

Writing a Review

PERFORM ACTION

CUSTOMIZE

Drag and Drop

Drag and Drop Modules

Drag and Drop Objects

In Page Editing

Sliders

APPLICATION NEEDS TO

CALL ATTENTION

IMPROVE READABILITY

Ratings & Reviews

Review Architecture

GROUP RELATED ITEMS

ORGANIZE SCREEN/PAGE

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

What's a Pattern?

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

Recent Patterns

Auto-Complete

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

Breadcrumbs

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

Drag and Drop Modules

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

Module Tabs

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

Navigation Tabs

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

Object Pagination

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

Results Page:

1 2 3 4 [Next](#)

Search Pagination

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

Rating an Object

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

Writing a Review

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

Review Title - e.g. We can't

Write your review - Your I

See Rico in Action!

background



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Developer Network Home Help Site Search Search

YAHOO! DEVELOPER NETWORK

Design Pattern Library

Yahoo! Developer Network > Design Pattern Library

USER NEEDS TO

- NAVIGATE
 - Breadcrumbs
 - Faceted Navigation
 - Fly-out Menus
 - Horizontal Bar
 - Hub and Spoke
 - Left Navigation
- Tabs
 - Module Tabs
 - Navigation Tabs
- EXPLORE DATA
 - Auto Complete
 - Calendar Picker
- Pagination
 - Item Pagination
 - Search Pagination
- ORGANIZE DATA
- GIVE FEEDBACK
 - Ratings & Reviews
 - Architecture Review
 - Rating an Object
 - Writing a Review
- PERFORM ACTION
- CUSTOMIZE
 - Drag and Drop
 - Drag and Drop Modules
 - Drag and Drop Objects
 - In Page Editing
 - Sliders
- APPLICATION NEEDS TO
 - CALL ATTENTION
 - IMPROVE READABILITY
 - Ratings & Reviews
 - Review Architecture
 - GROUP RELATED ITEMS
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Scratchpad

YAHOO! GOBBLER

Add Website to Scratchpad

Projects(3)

National Mapping - Fab Facts, Landforms
<http://www.ga.gov.au/education/fab>

Geography: Landforms

Add Website to Project

Civil War Battles

Add Website to Project

Create a new Project

2

Home

Explore

Connect

How to

Search

Welcome to Yahoo!
A place for educators to find

Featured Projects



California Mission
Social Studies

★ 12 Teachers like

9 Teachers copied

Discover educators like you



Anna Log

Grade 1, 2, 3
Generalist/Homeroom



Michael M

Grade 4
Science/Mathematics



Nancy P

Grade 4
Generalist/Homeroom



Arkyscience

Grade 4, 5, 6
Science



The Civil War Home Page

Dedicated to the participants, both North and South, in the great American Civil War
1861 - 1865

[Home](#) | [Email](#)

Recommend A New Link

Do you have a Civil War related web site or a site to recommend?

[Submit Your Link](#)

Links Database

Our Links Database has thousands of Civil War related links. Enter your Search Term or Select from a Predefined Category.

Enter Search Term

[Abolition & Slavery](#)

[Associations](#)

[Battles](#)

[Documents](#)

[General Interest](#)

[Letters & Diaries](#)

[People](#)

[Photos](#)

[Reenacting](#)

[Shops & Dealers](#)

[Unit Information](#)

Photos Database

Our Photos Database has over 1,100 of Civil War related pictures, images and Cartes de Visite (CDV) photographs. Enter your Search Term or Select from a Predefined Category.

Welcome!

Welcome to the Civil War Home Page, one of the largest and most comprehensive collections of Civil War related material available on the Internet.

Click to view full size

View Civil War Battle Maps

- [1. Battle of Antietam](#) (large file 2,482k)
- [2. Battle of Gettysburg](#) (large file 2,130k)
- [3. Battle of Fredericksburg](#) (large file 1,776k)
- [4. Battle of Shiloh](#) (large file 638k)
- [5. Andersonville Prison](#) (large file 1,582k)

Most Requested Pages

- [1. Sullivan Ballou's Letter to his Wife](#)
- [2. The Gettysburg Address - Abraham Lincoln](#)
- [3. Timeline of Events Leading to the Civil War](#)
- [4. Women and the Civil War - Duke University](#)
- [5. Virginia Military Institute Archives](#)

Most Requested Research Pages

- [1. Union Troops Furnished and Deaths](#)
- [2. Official Records - Joshua Lawrence Chamberlain, Gettysburg Report](#)
- [3. North American Slave Narratives](#)
- [4. Results of 1860 Census](#)
- [5. Ordinances of Secession of the 13 Confederate States of America](#)

Interactive Pages

[Message Board](#)

Official Records

Battle Reports from the Official Records of the Union and Confederate Armies written by the Commanding Generals

Fredericksburg

- [- Ambrose Burnside](#)

Gettysburg

- [- Joshua Lawrence Chamberlain](#)
- [- Robert E. Lee](#)
- [- James Longstreet](#)

Bull Run/Manassas

- [- Thomas "Stonewall" Jackson](#)
- [- Irvin McDowell](#)

Antietam / Sharpsburg

- [- Robert E. Lee](#)
- [- George McClellan](#)

Shiloh / Pittsburg Landing

- [- Ulysses S. Grant](#)

Dyer's Compendium

State and Territory Detailed Union Regimental Histories

[Regimental Histories](#)

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InstantlyYour
QueueMovies
You'll ♥

Community

DVD Sale
\$5.99

Movies, actors, directors

Search

Home

Genres ▾

New Releases

Previews

Netflix Top 100

Critics' Picks

Award Winners

Movies For You

You have **1347**
[Suggestions](#)
from 312 ratings.



Bill, the following movies were chosen based on your interest in:
[The Truman Show](#)
[My Big Fat Greek Wedding](#)
[The Office: Season 3 \(4-Disc Series\)](#)



The Majestic



Set in the 1950s, this romantic drama is reminiscent of Frank Capra's classic films. Screenwriter Peter

Add

Appleton (Jim Carrey) is on the verge of ... [Read More](#)



Under the Tuscan Sun



In this movie loosely based on Frances Mayes's best-selling memoir of the same title, Diane Lane

Add

stars as Frances, a newly divorced American writer ... [Read More](#)

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[Black Book](#)


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☐ Not Interested

[Hot Fuzz](#)


Add


☐ Not Interested

[Planet Earth: The
Complete Collection](#)
(5-Disc Series)

[Blades of Glory](#)
[The Hoax](#)
[The Office:](#)

BROWSE

Favorite Genres: [\(Edit\)](#)

Action & Adventure
Classics
Comedy
Documentary
Drama
Sci-Fi & Fantasy
Thrillers

Other Genres:

All Genres
Anime & Animation
Blu-ray
Children & Family
Faith & Spirituality
Foreign
Gay & Lesbian
HD DVD
Independent
Music & Musicals
Romance
Special Interest
Sports & Fitness
Television

Guides:

Member Favorites
Easter Eggs

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...>





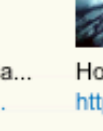

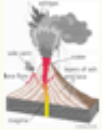


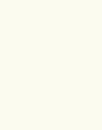




Copy of Alaska Volca...
<http://www.avo.alask...>



National Mapping - F...
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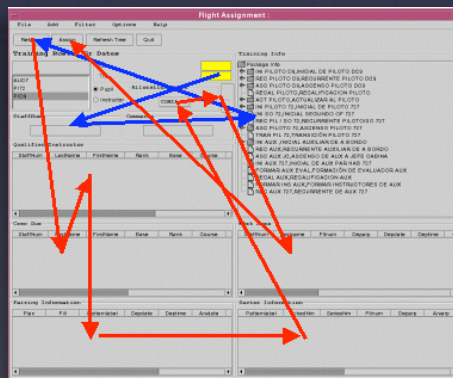
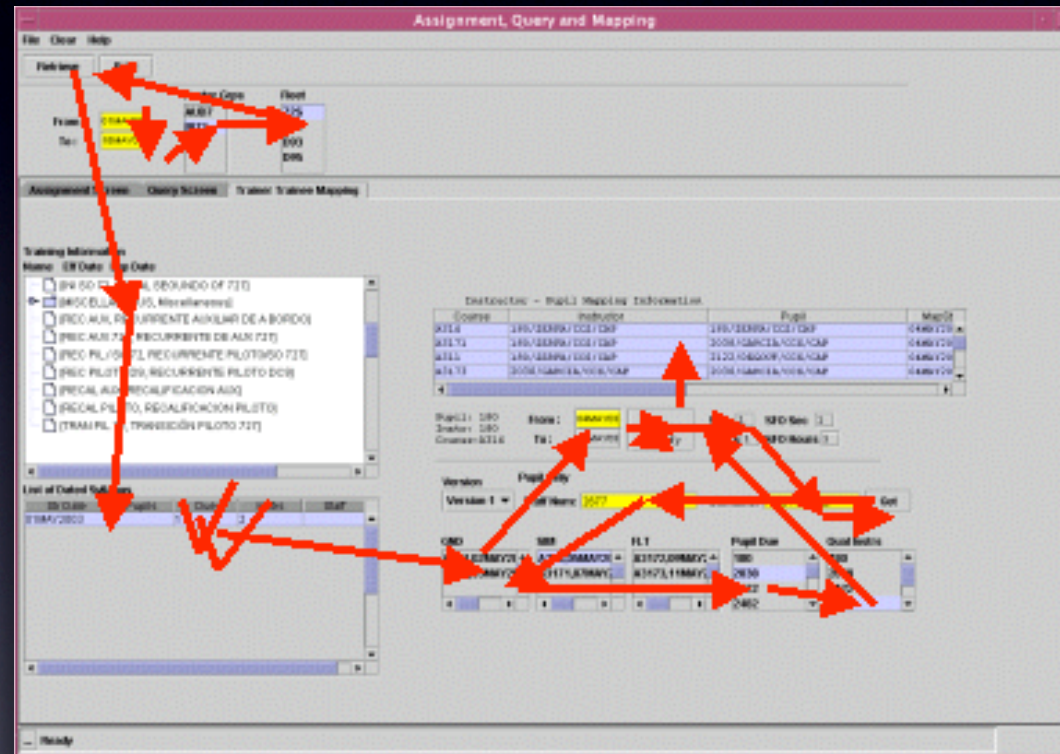
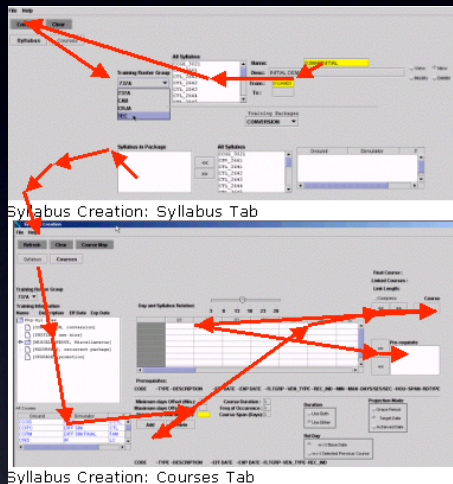
anti-pattern. **meandering way**

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.

 <p>Three-dimensional Ca... http://volcano.und.n...</p>	 <p>Three-dimensional Ca... http://volcano.und.n...</p>	 <p>Howstuffworks &quot;... http://www.howstuffw...</p>
 <p>Internet Geography -... http://www.geography...</p>	 <p>Dictionary image: vo... http://education.yah...</p>	 <p>Operation Montserrat... http://emissionhq.co...</p> <p>Copy Delete</p>
<p>Web sites (21)</p>		
 <p>How Volcanoes Work http://www.geology.s...</p>	 <p>Operation Montserrat... http://emissionhq.co...</p>	 <p>Howstuffworks &quot;... http://www.howstuffw...</p>
 <p>SPACE.com --</p>	 <p>Volcanoes: Principal...</p>	 <p>Vic Camp - Volcano T...</p>

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..



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 links (Bill Scott, Your Account, Buy / Redeem Gift, Help) are on the right. Below the logo is a navigation bar with tabs: Browse, Recommendations (selected), Friends, Queue, and Buy DVDs. A search bar is on 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' with the subtitle 'Movie suggestions based on your ratings'. It features a 'NEW RECOMMENDATIONS' section with two movie cards: 'Samurai Champloo (7-Disc Series)' and '12 Angry Men'. Each card includes a movie poster, a star rating, a 'Not Interested' button, and a description. A central yellow box with a starburst graphic says 'You Have Recommendations!' and 'Get more recommendations by rating more movies.' with a 'Rate More Movies' button. On the right side, there is a 'Browse' section with 'All Recommendations' and 'Favorite Genres' (Action & Adventure, Drama, Sci-Fi & Fantasy, Television, Thrillers, Comedy, Classics, Documentary). Below that is an 'Other Genres' section with links to various genres. At the bottom right, there is a 'Helpful Tip' section with the text 'Seen any of these movies?' and a row of movie posters.

NETFLIX

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

Browse Recommendations Friends Queue Buy DVDs

Movies, actors, directors, genres Search

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

Recommendations

Movie suggestions based on your ratings

You have 869 Recommendations from 234 ratings.

NEW RECOMMENDATIONS



Samurai Champloo (7-Disc Series)

★★★★★

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



12 Angry Men

★★★★★

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

You Have Recommendations!

Get more recommendations by rating more movies.

You've rated 234 movies.

Browse

[All Recommendations](#)

Favorite Genres: [Edit](#)

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

Other Genres:

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

Helpful Tip

◀ **Seen any of these movies?**

◀ ▶ ⏪ ⏩ ⏴ ⏵

[See All Recommendations >>](#)

anti-pattern. pogo stick navigation

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Signed in as **billwaynescott** [Sign Out](#) [Help](#)

YAHOO! FOR TEACHERS

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[Search](#)

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:

[K](#) [1](#) [2](#) [3](#) [4](#) [5](#)

[6](#) [7](#) [8](#)

[9](#) [10](#) [11](#) [12](#)

[ALL](#)

Subject Areas:

- ▶ [Language Arts](#)
- ▶ [Mathematics](#)
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- ▶ [Science](#)

Your results for:

ALL >> 4, 5, 6, 7, 8, 9

1 Top rated project

Ancient Civiliz...



★ 27

Updated Mar 12, 2007

Grade(s) 2,3,4,5...

Description Egypt, mummies, pyramids, Hebrews an...



Derek (Yah...

113

2 Most recent project

Geography: Lan...



★ 0

Updated 11 minutes ago

Grade(s) 5,6

Description Introduces students to a variety of ...



Bill Scott

21

3 Most copied project

Ancient Civiliz...



★ 27

Updated Mar 12, 2007

Grade(s) 2,3,4,5...

Description Egypt, mummies, pyramids, Hebrews an...



Derek (Yah...

113

Too many results here? [Keyword Refine](#)

Projects 697 matches



[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.

fitts 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**

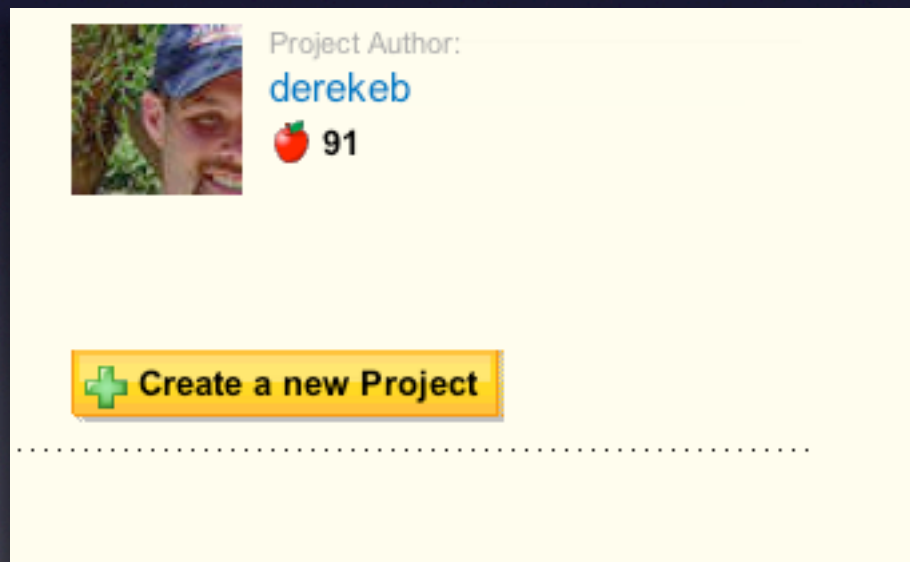
*The identity card area has a summary view and an expanded view.
The targeting is really small and caused lots of usability issues.*

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

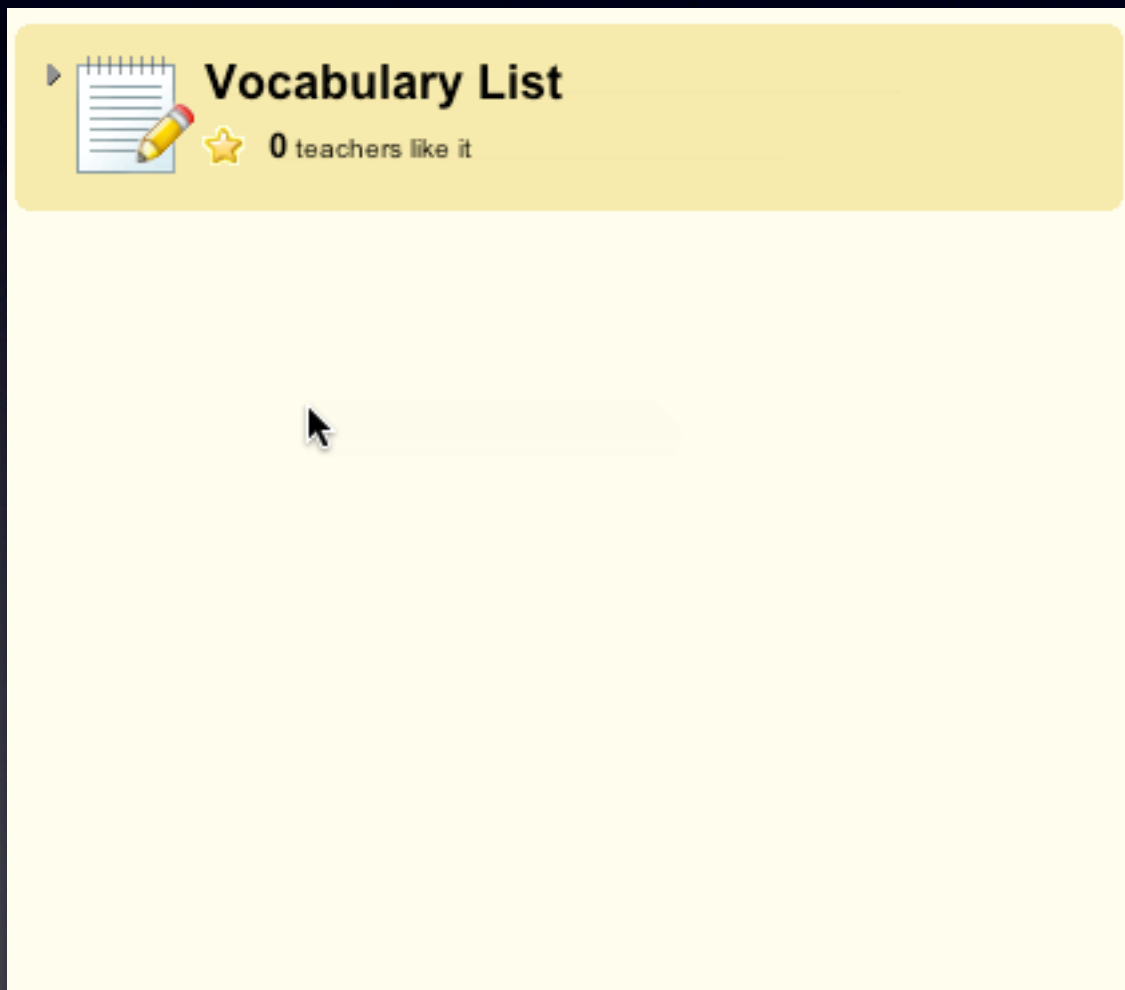
The target is a very small divot that is hard to hit.



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)

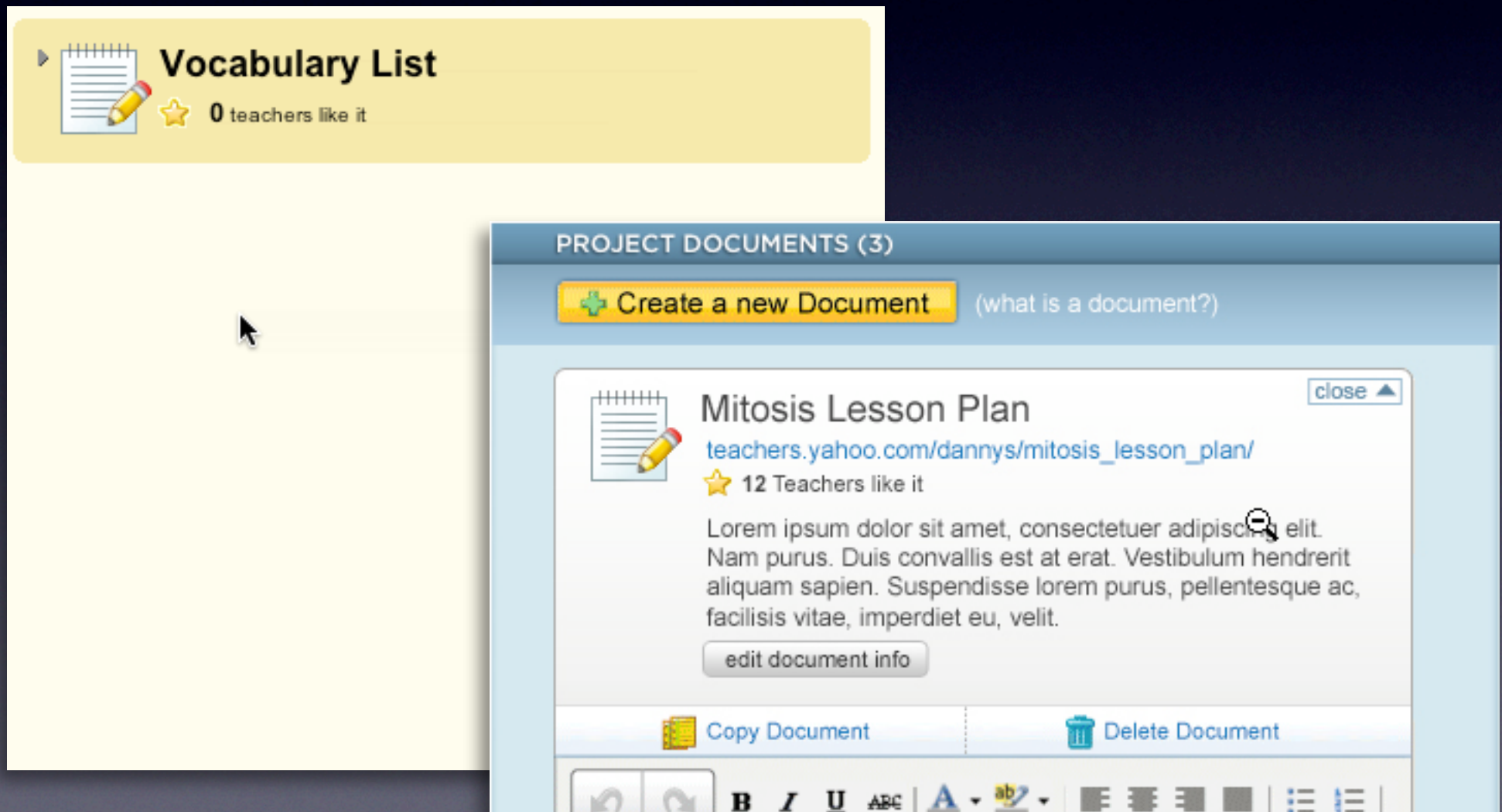
Redesign will call out “Close” as bigger target, but also cause title to have link.



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.

One issue that still needs to be addressed is the smaller target of the Text Drag button. Consistently causes problems-- too small.

Step 1. Selecting a Volcano

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

Step 2. Creating a Pattern.




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 pouring into the ocean. Countless deltas have formed

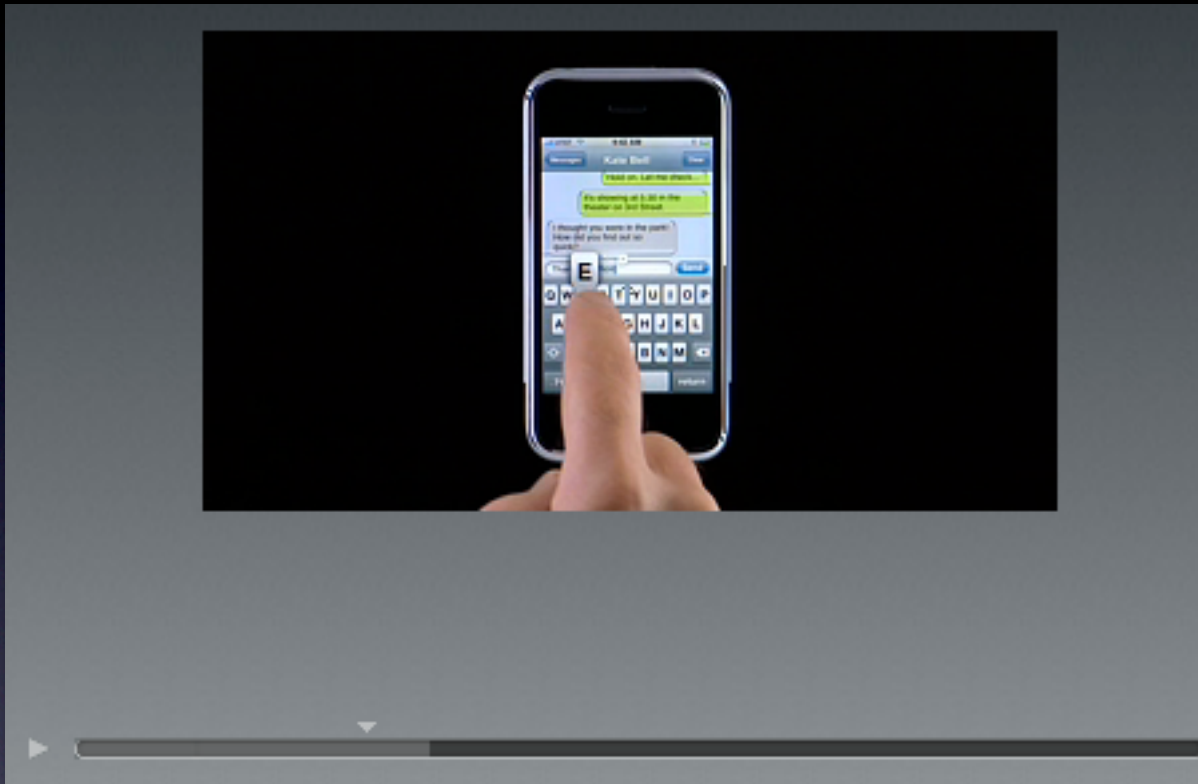
YAHOO! GOBBLER

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

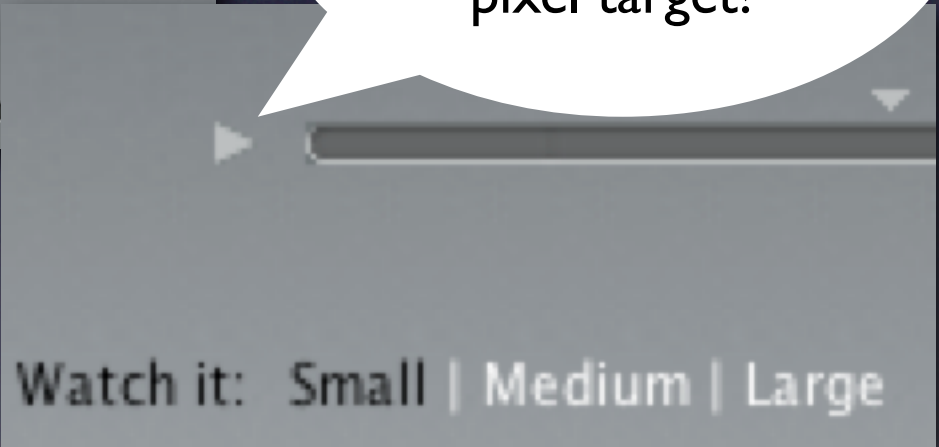


anti-pattern. tiny targets

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**

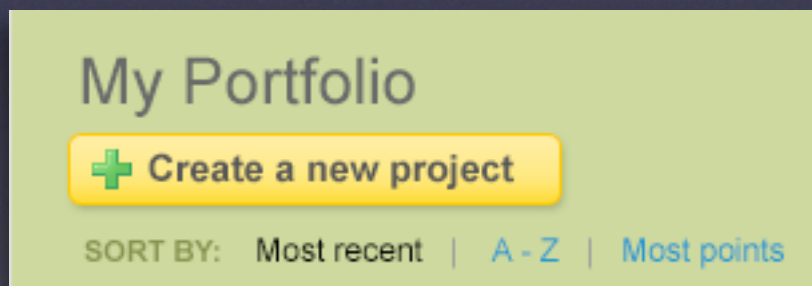
*Activation targets and important commands need to be **large enough**, **visually distinct** and in **proximity** to operation.*

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

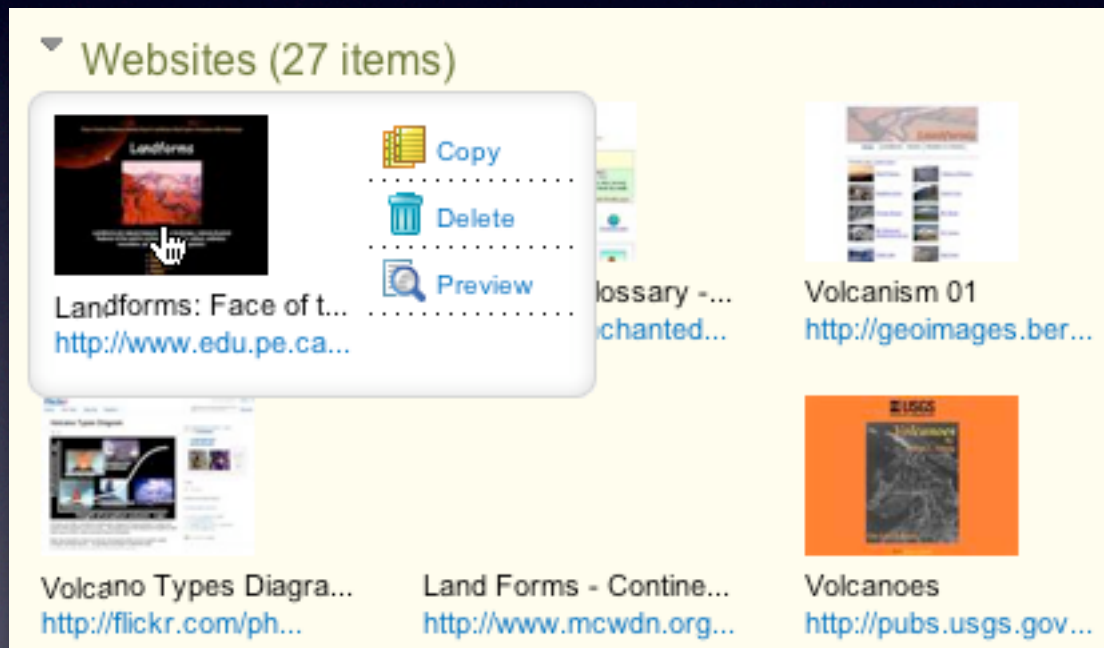
Hover reveal of information and actions has become more and more popular. Hover & Cover is when the hover actually hides important contextual information around the object or gets in the way of other actions.

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)

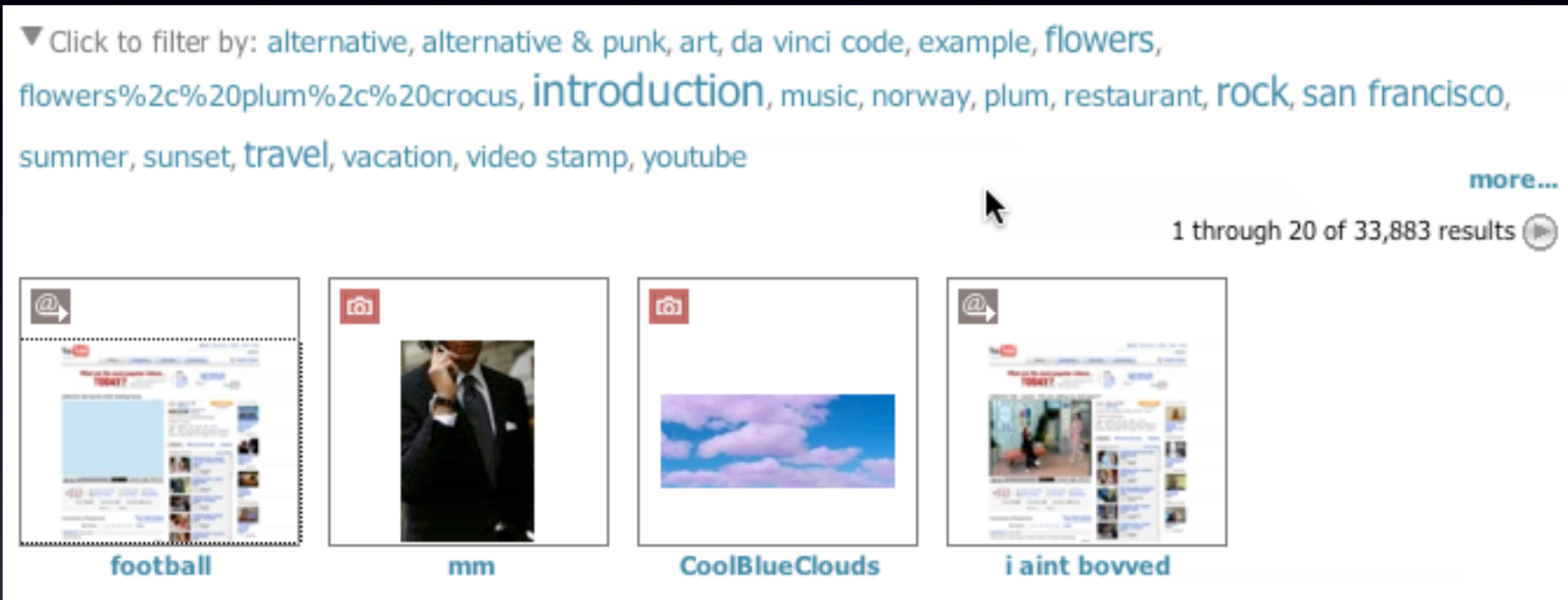
Occluded text edit area (hung open)

The screenshot displays a web application interface with a light yellow background. At the top, a project titled "Geography: Landforms Copy" is shown with a star icon and "0 teachers like it". Below the title are three buttons: "Edit Standards" (with a pencil icon), "Copy Project" (with a document icon), and "Delete Project" (with a trash can icon). To the right of these buttons is a "Create a new" button with a plus icon. Below the project title, there is a section for "Project Assets:" which includes a dropdown menu for "Websites (27 items)". Under this menu, three website thumbnails are visible: "Landforms: Face of t..." with URL <http://www.edu.pe.ca...>, "Landforms Glossary -..." with URL <http://www.enchanted...>, and "Volcanism 01" with URL <http://geoimages.ber...>. Below these, another row of thumbnails shows "Volcano Types Diagra..." with URL <http://flickr.com/ph...>, "Land Forms - Contine..." with URL <http://www.mcwdn.org...>, and "Volcanoes" with URL <http://pubs.usgs.gov...>. To the right of the project assets, there is a section for "Documents:" with a "Create a new" button. Below this, a document titled "Vocabulary List" is shown with a star icon and "0 teachers like it". Below the document title are two buttons: "Edit Standards" (with a pencil icon) and "Copy Document" (with a document icon). Below these buttons is a rich text editor toolbar with icons for undo, redo, bold, italic, underline, text color, background color, font family, and font size. The document content area shows the text "Landforms Vocabulary" and "Volcano".

anti-pattern. hover & cover

Example from plum.com

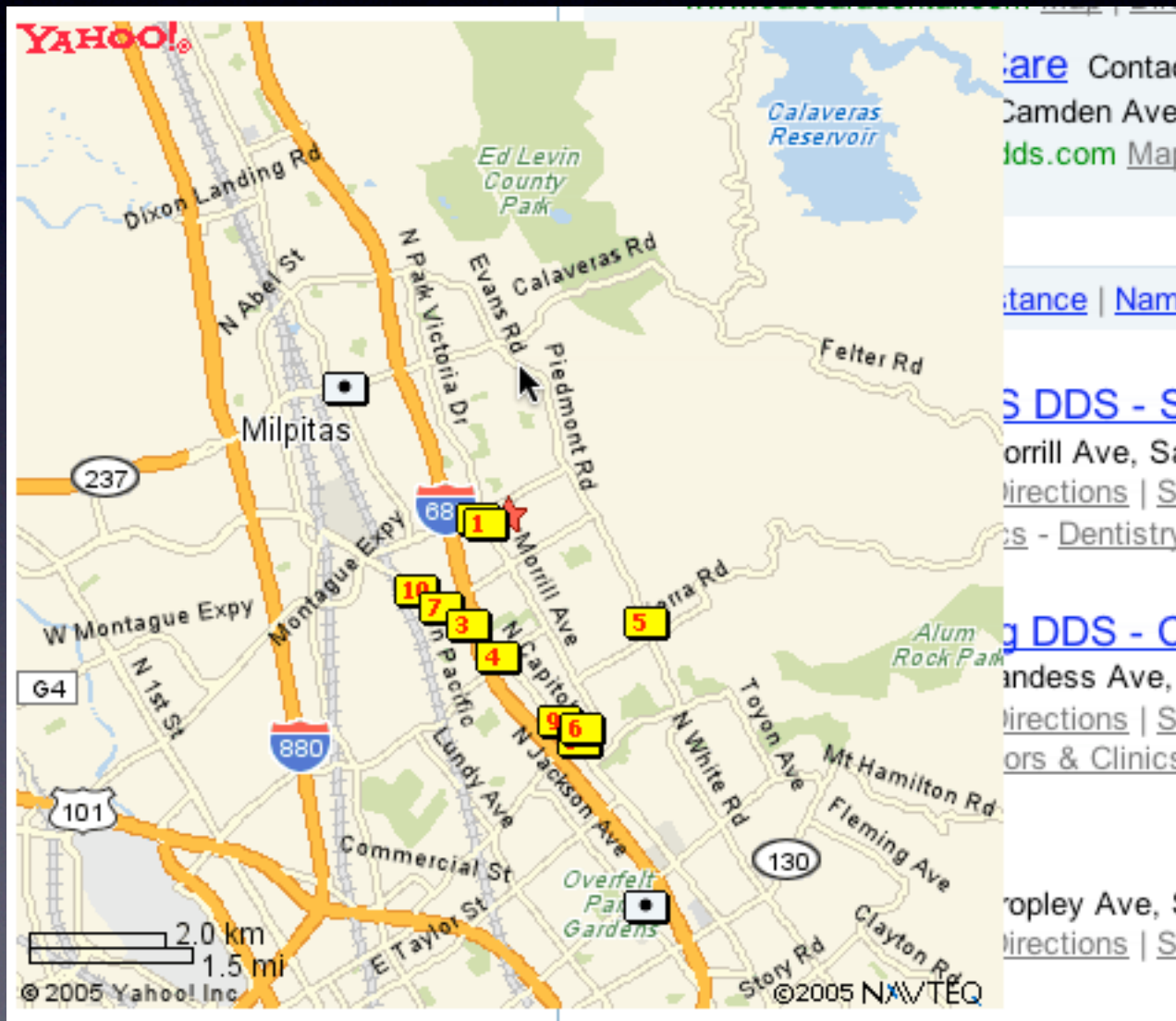
Drop down menu shows on hover and gets in the way. Too easy to accidentally turn it on.



anti-pattern. **hover & cover**

Yahoo! Local originally had this hover beast.

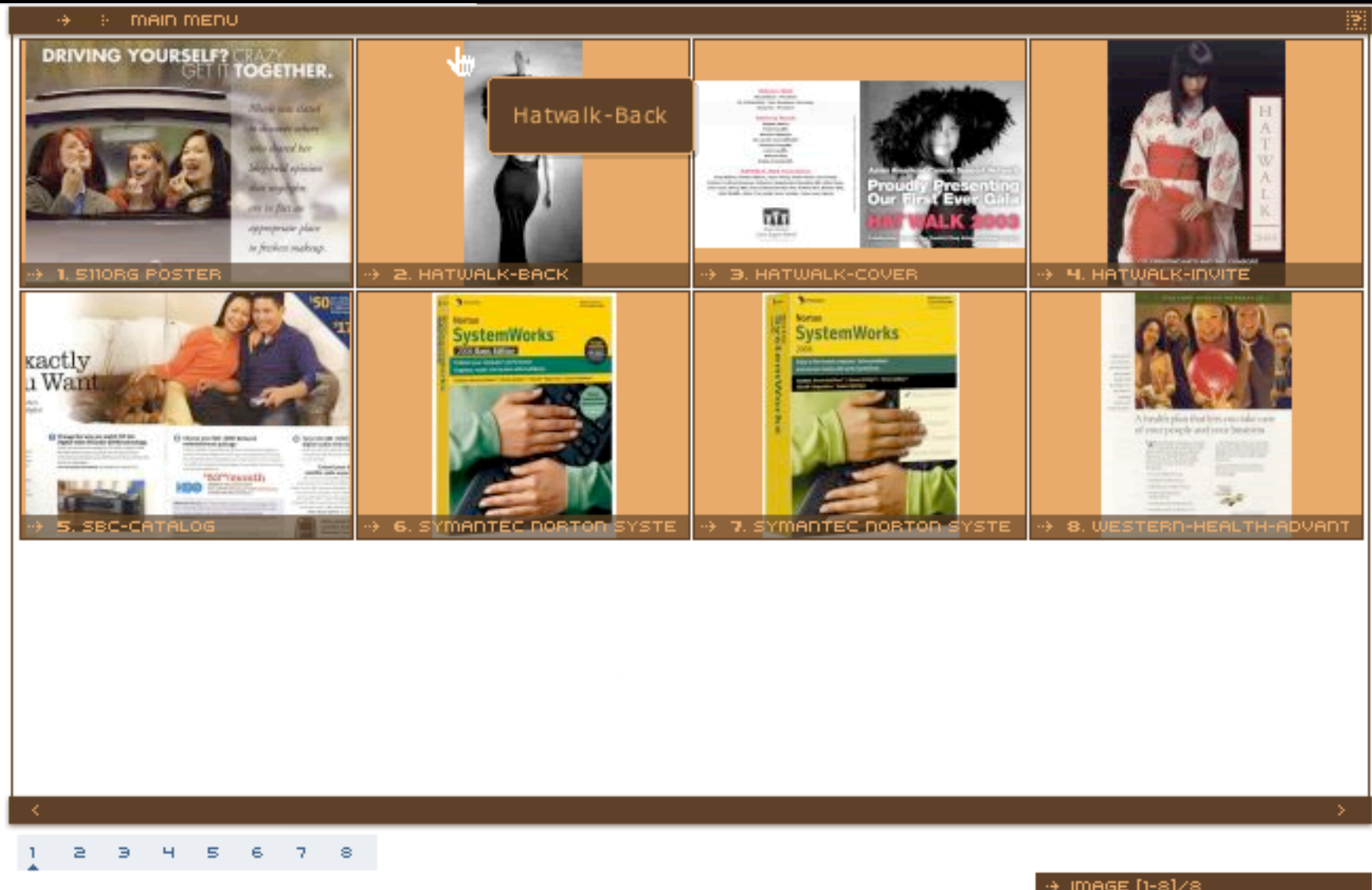
Thankfully it no longer functions this way :-)



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, text reads: "Bill, the following movies were chosen based on your interest in: [Animal Crackers](#), [Something the Lord Made](#), [X2: X-Men United](#)". Below this, a movie card for "Monkey Business" is shown. It features a movie poster, a star rating of 5 stars, and a red "Add" button. The text on the card says: "One of the Marx Brothers' funniest movies, the title of the film says it all as Groucho, Harpo, Chico and Zeppo stow away on a luxury liner. Before ... [Read More](#)". To the right of the movie card, there is a promotional banner for "You loved it.. Now own it for just \$5.99" with a list of features: "FREE shipping", "original artwork", and "hardcover case". Below the banner, there is a "Shop now" link and text: "for our previously viewed titles, low as \$5.99". At the bottom of the screenshot, there is a "Rate Your" button and a movie card for "Lackawanna Blues".

anti-pattern. **borg idiom**

summary

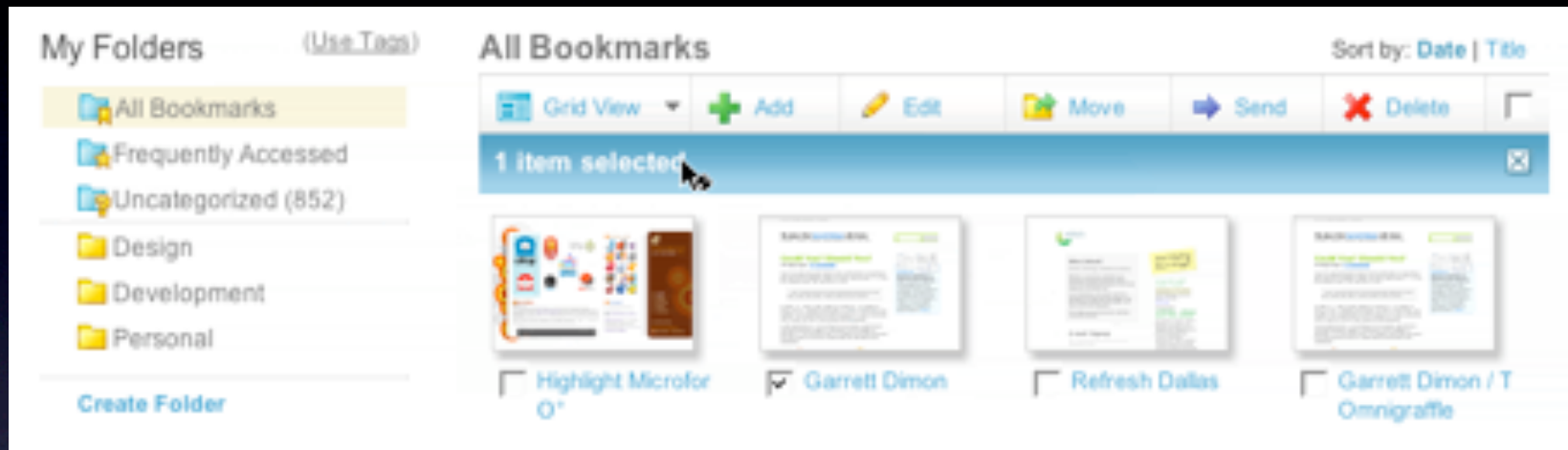
Not all idioms play well together. Some idioms are more powerful than others. For example, tree controls, drag and drop, selection mechanisms all set up an “interaction theme”.

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.*

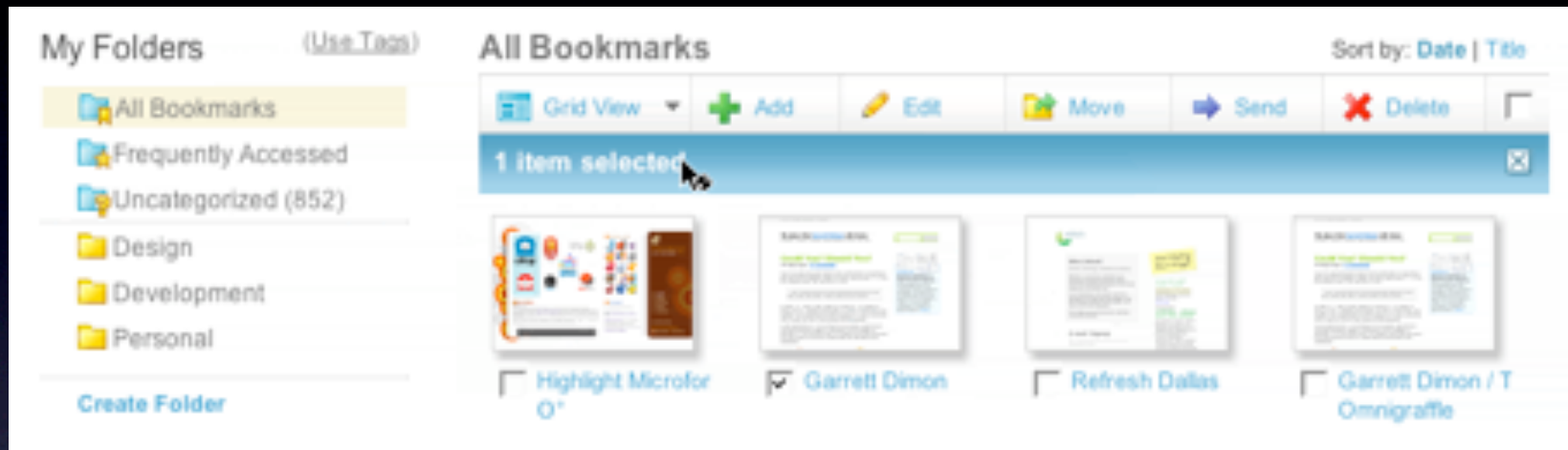
anti-pattern. borg idiom

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.

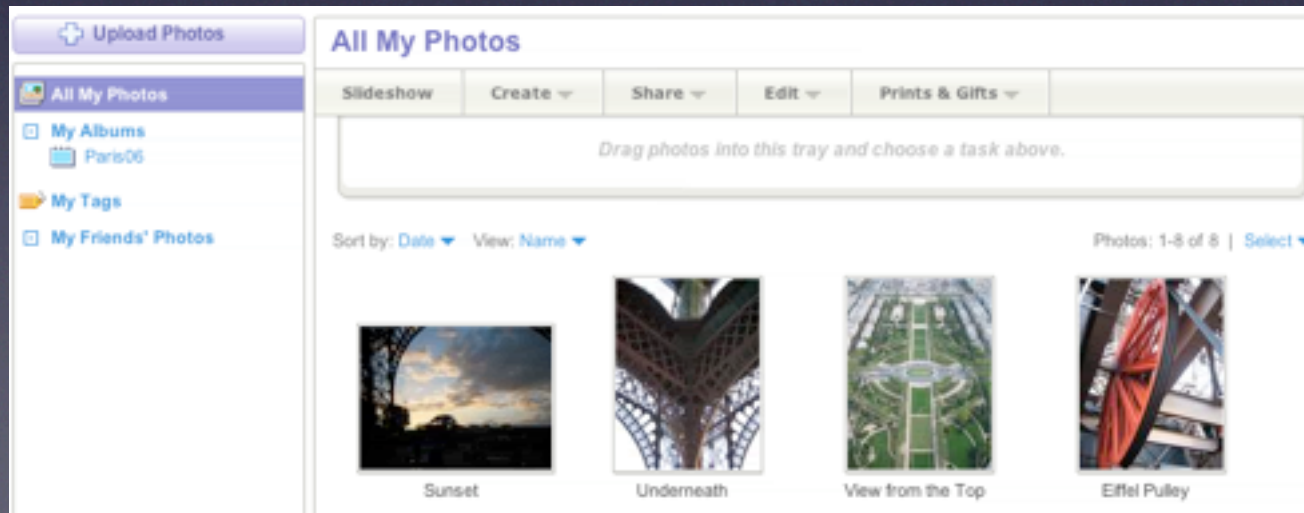


anti-pattern. borg idiom

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.

My Portfolio


Project Author: **Bill Scott**
🍎 21




Scratchpad (1112)



Lady Bird Johns...
8 days ago



Projects (9)

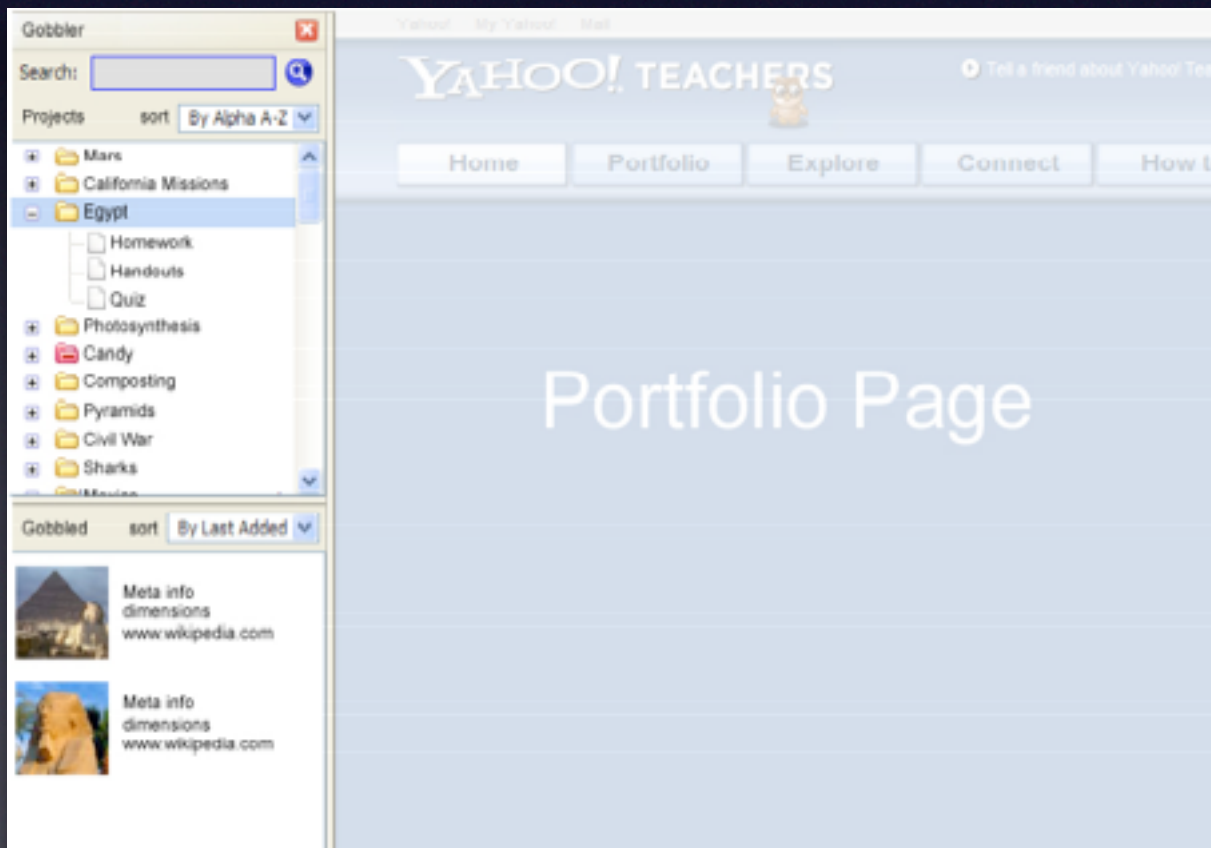
Project name	Last update	Description	Topic
 Geography: Landforms Copy ★ 0	15 seconds ago	Introduces students to a variety of land forms in the United States. Location of the landforms is also explored.	Social studies, the arts
	5 days ago	Método de	Language

Documents (10)

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

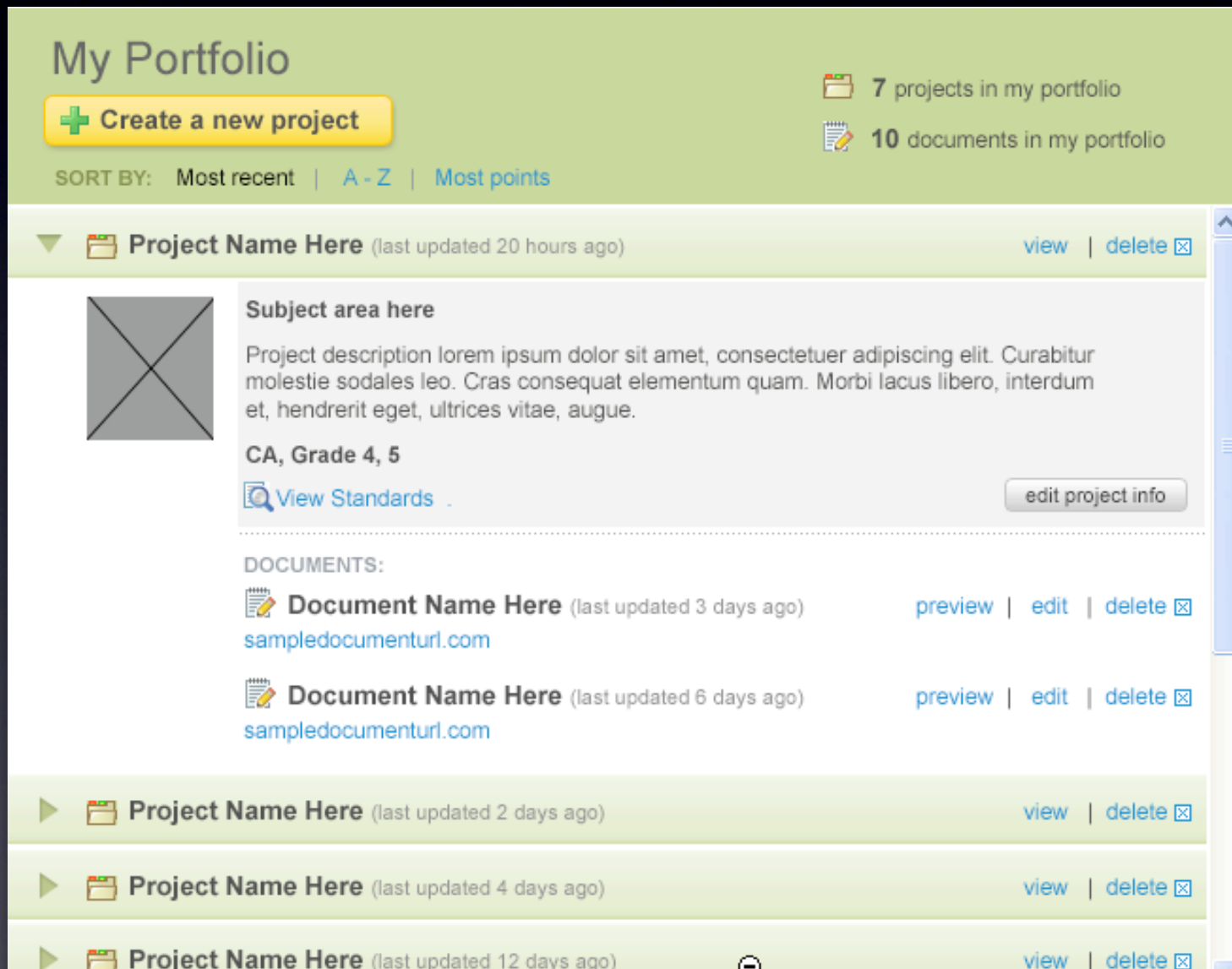
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anti-pattern. borg idiom

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.



anti-pattern. borg idiom

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

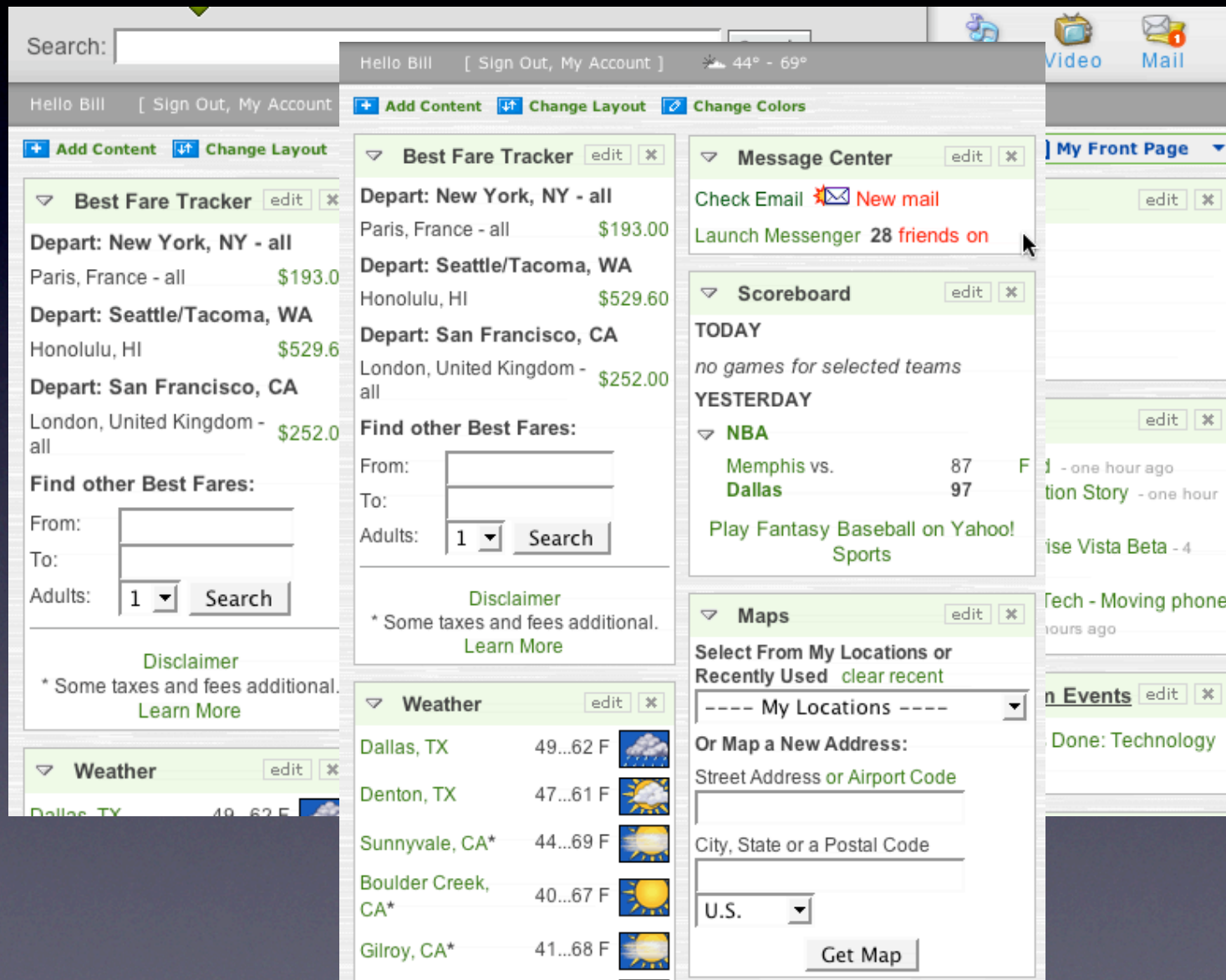
The screenshot shows a Yahoo! homepage layout where multiple widgets from different eras are stacked together. At the top, there's a search bar and navigation links for Music, Video, and Mail. Below this, a status bar shows the user's name (Hello Bill), account options, and weather (44° - 69°). The main content area is divided into several sections, each with a title, edit, and delete icon:

- Best Fare Tracker:** Displays flight information for New York, Seattle/Tacoma, and San Francisco, including prices and a search form.
- Message Center:** Shows email status (New mail) and a link to launch the messenger.
- Scoreboard:** Displays sports scores for the NBA (Memphis vs. Dallas) and a link to play fantasy baseball.
- Maps:** Offers options to select from recent locations or map a new address.
- Weather:** Shows the current weather for Dallas, TX.
- eHub:** A list of recent links from various sources like Connotea and OnlyWire.
- Software News:** A list of recent news items, including corrections and Microsoft releases.
- BayCHI Monthly Program Events:** A list of upcoming events, such as "Getting Things Done: Technology and Practice".

The layout is a classic example of the Borg Idiom, where multiple, distinct styles or components are merged together, often leading to a cluttered and inconsistent user interface.

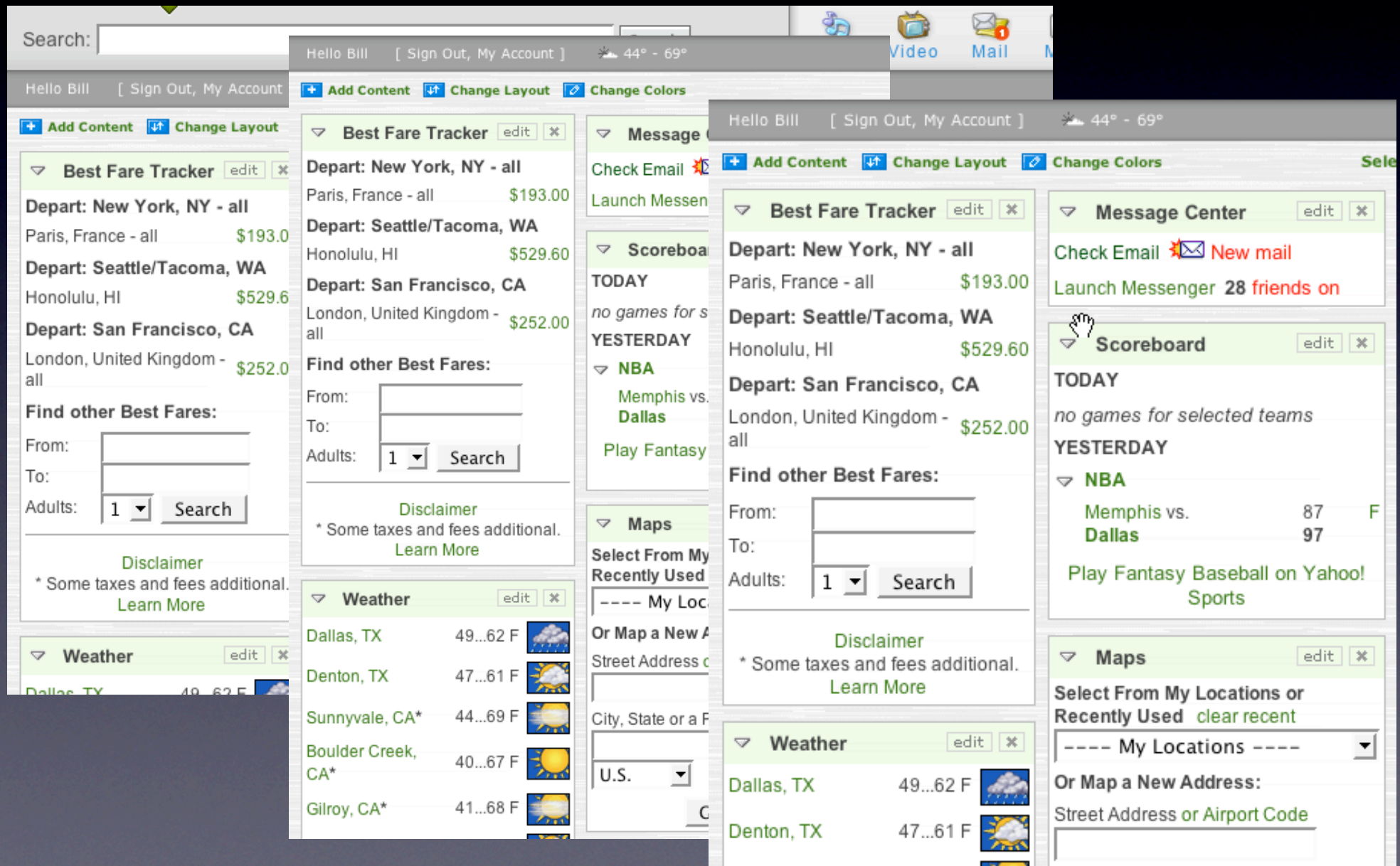
anti-pattern. borg idiom

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.

Next step? drag drop delete?

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](#)

<input type="checkbox"/>	<input type="button" value="Delete"/>	<input type="button" value="Spam"/>	<input type="button" value="Mark ▾"/>	<input type="button" value="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

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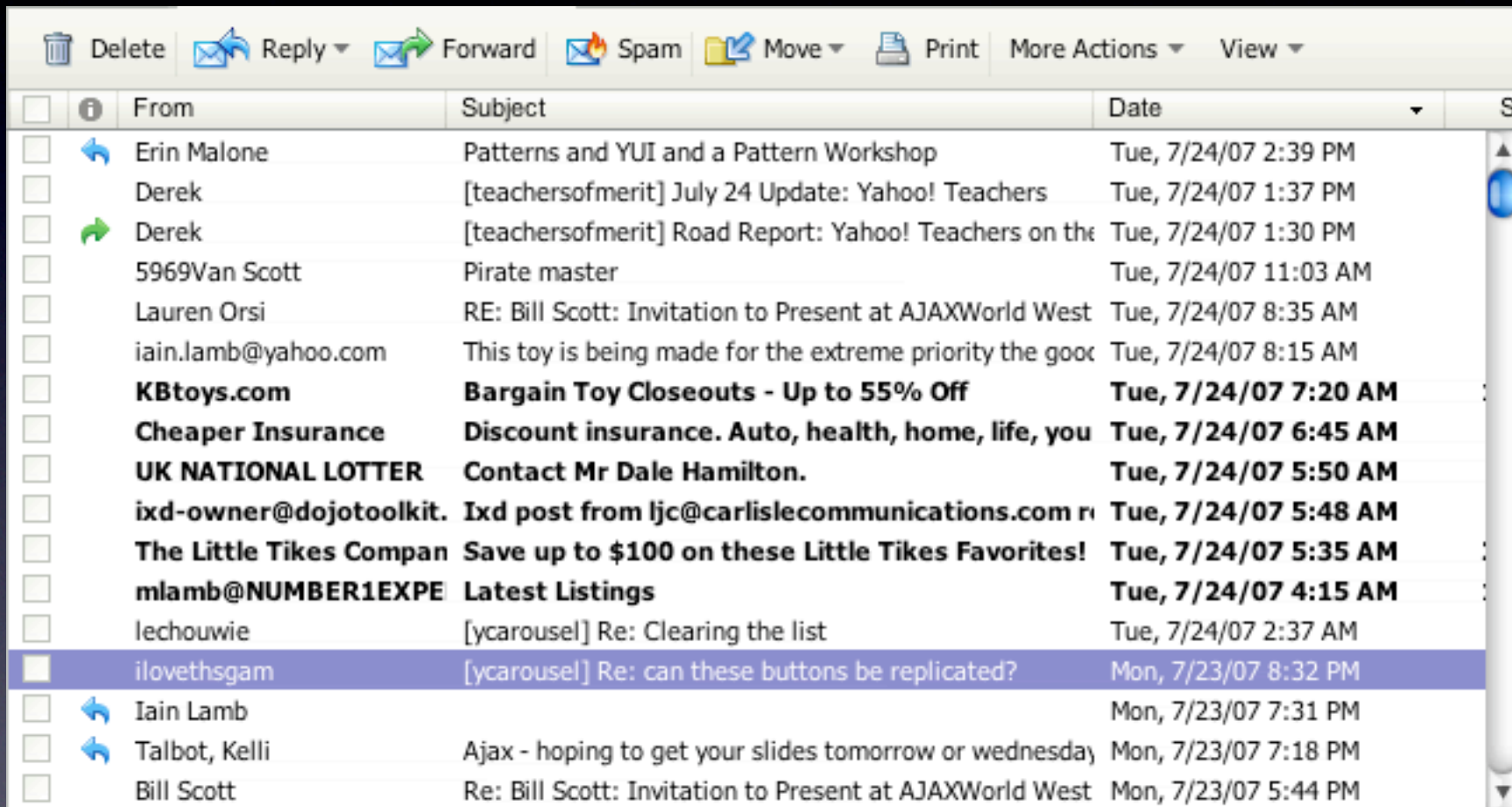
Home **Inbox** 2622 messages

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@amaz	Your Order with Amazon.com	Thu, 12/14/06 12:50 AM	16KB		
	auto-confirm@amaz	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 good	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 LOTTERY	Contact Mr Dale Hamilton.	Tue, 7/24/07 5:50 AM	
<input type="checkbox"/>		ixd-owner@dojotoolkit.	Ixd post from ljc@carlislecommunications.com re	Tue, 7/24/07 5:48 AM	
<input type="checkbox"/>		The Little Tikes Company	Save up to \$100 on these Little Tikes Favorites!	Tue, 7/24/07 5:35 AM	
<input type="checkbox"/>		mlamb@NUMBER1EXPERIENCE	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 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 mis-using 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


WatchThisNext
Drag n' Drop DVD Recommendations

Start Over Contact Us

**Mean Creek**
[Find out more](#)

**Prokofiev - Ivan the Terrible /**
Mukhamedov,
Bessmertnova,
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.

anti-pattern. novel notion


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[Find out more](#)

 **City Heat**
[Find out more](#)

 **The Rainmaker**
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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](#)
[Add](#)


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

 **The Great Escape**
★★★★★
[Not Interested](#)
[Add](#)


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

[More Recommendations >](#)

Featured Subg
CLASSIC CO

 **Dick Jane**
[Add](#)

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

 **The Great Escape**
[Add](#)

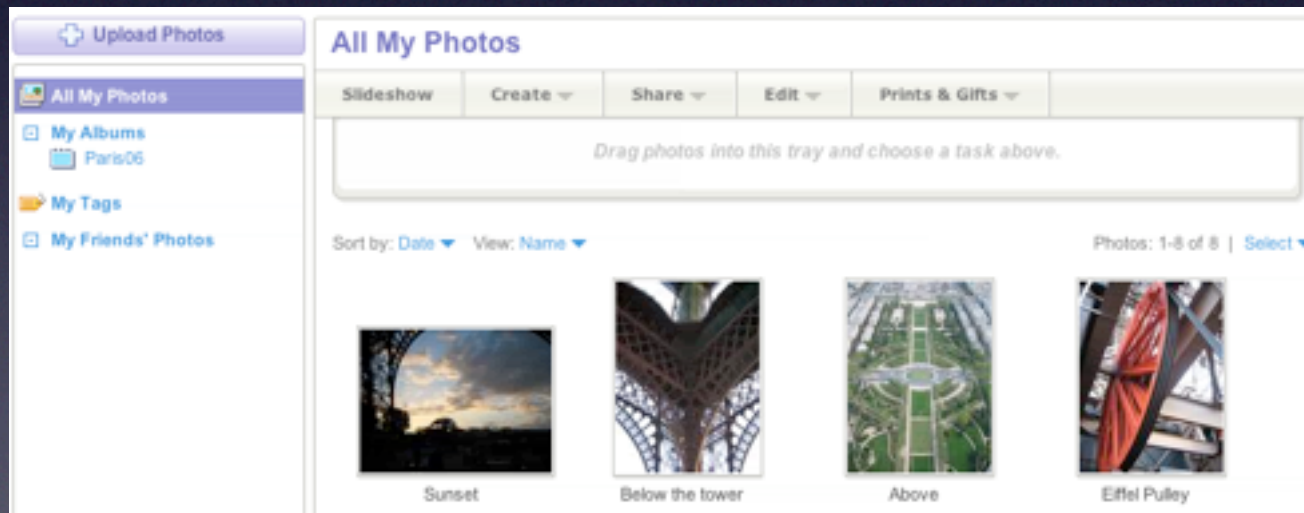
again -- this tim
the life and time
Perhaps the mo

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 web page layout with a 'Featured' section on the left and a sidebar on the right. The 'Featured' section has a navigation bar with 'Featured', 'Entertainment', 'Sports', and 'Life'. Below the navigation bar, the date 'Jul 24, 2007' is shown. The main article is titled 'Best & worst smoothies' and includes a list of links: 'How to make a healthy smoothie', 'Peach-banana smoothie recipe', and 'Wake-up morning drink'. Below the article, there are four smaller links with thumbnail images: 'Best and worst smoothies for your diet', 'NFL rankings: Where's your team ranked?', 'Close plays a ruthless attorney in 'Damages'', and 'Save big with biweekly mortgage payments'. A 'More Featured' link is at the bottom of the section. The sidebar on the right shows a personalized greeting 'Hi, Bill' and a 'Sign Out' link. It contains several tool buttons: 'Mail 45 New', 'Messenger', 'Radio', 'Weather 78°F', 'Local', and 'Horoscope'. At the bottom of the sidebar, there is a large orange banner for 'SUNDAY AUGUST 2007' with a large number '5' and a text box that says 'CAST YOUR VOTE FOR THE WINNING PROJECT BEFORE MIDNIGHT ON SUNDAY,'.

Featured Entertainment Sports Life

Jul 24, 2007

Best & worst smoothies

Some drinks are healthy, but others are loaded with calories. [» More](#)

- How to make a healthy smoothie
- Peach-banana smoothie recipe
- Wake-up morning drink

[Best and worst smoothies for your diet](#)

[NFL rankings: Where's your team ranked?](#)

[Close plays a ruthless attorney in 'Damages'](#)

[Save big with biweekly mortgage payments](#)

[» More Featured](#)

Hi, **Bill** [Sign Out](#)

[Mail 45 New](#) [Messenger](#) [Radio](#)

[Weather 78°F](#) [Local](#) [Horoscope](#)

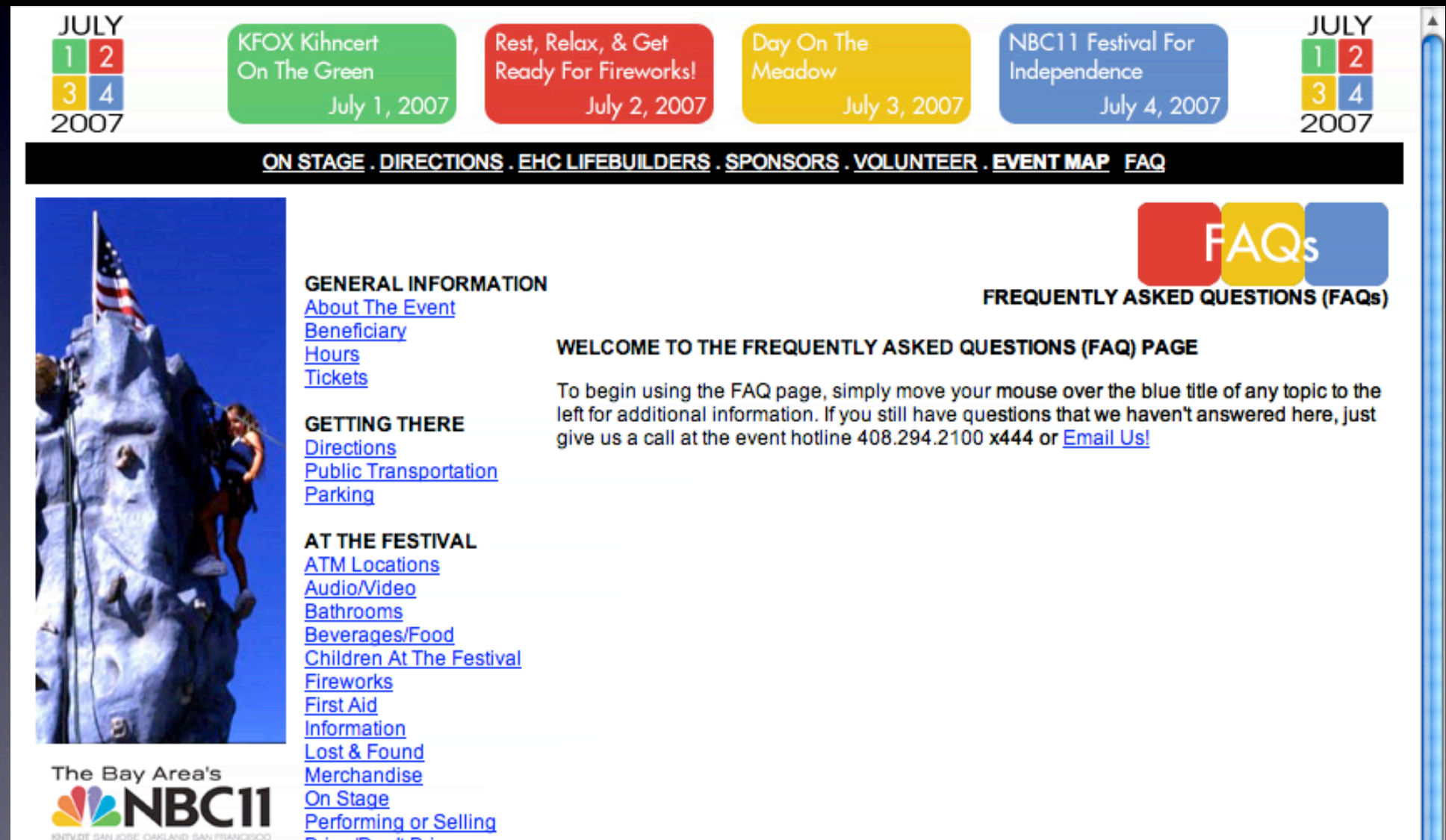
SUNDAY AUGUST 2007 **5**

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](#)

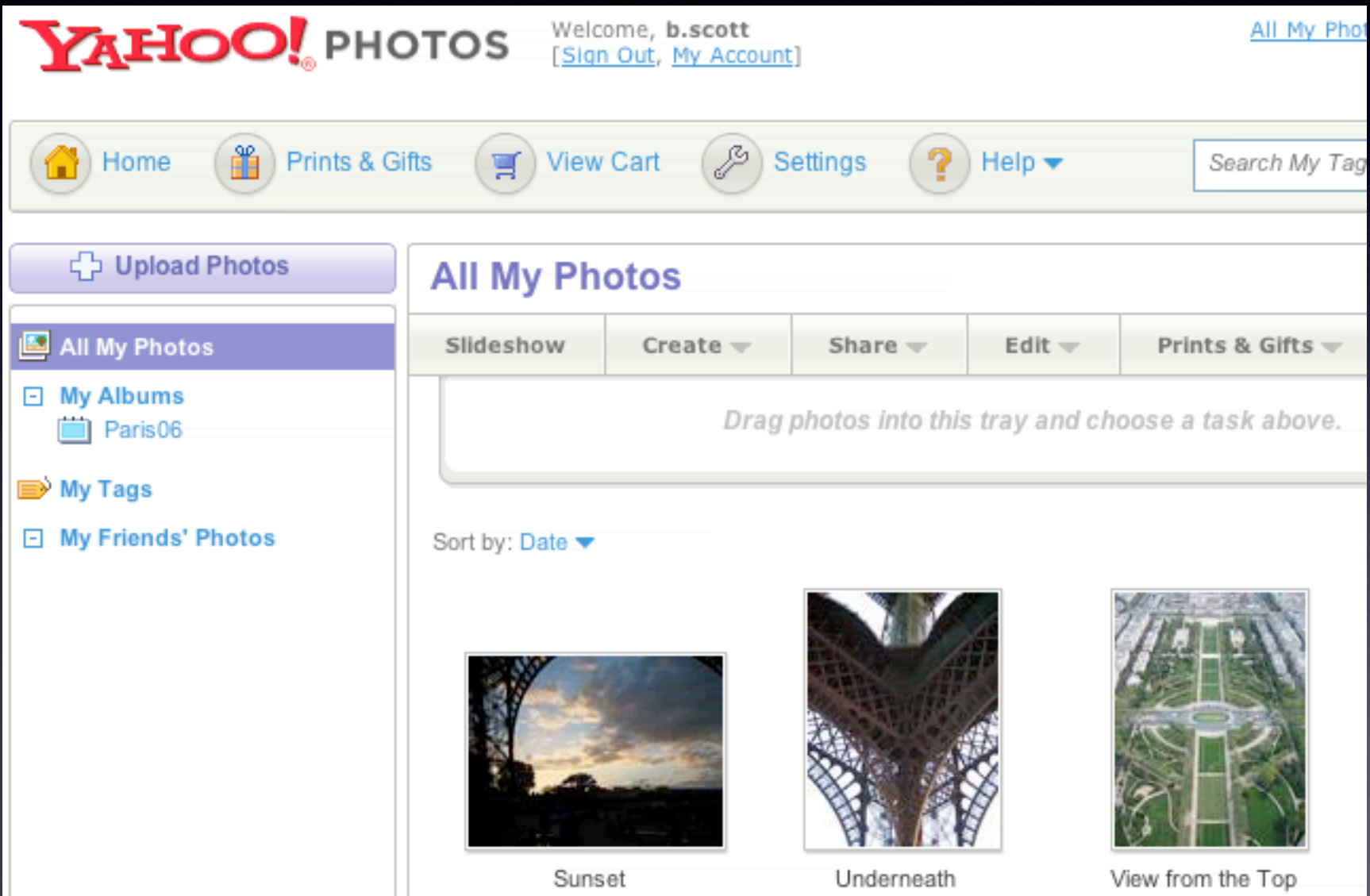
AT THE FESTIVAL
[ATM Locations](#)
[Audio/Video](#)
[Bathrooms](#)
[Beverages/Food](#)
[Children At The Festival](#)
[Fireworks](#)
[First Aid](#)
[Information](#)
[Lost & Found](#)
[Merchandise](#)
[On Stage](#)
[Performing or Selling](#)
[Rides/Boat Rides](#)

The Bay Area's
NBC11
KNTV/DK 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...*



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](#)





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 'bellslwhistle' /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

City Guide My Local Directory

drain repair San Jose, CA Search

San Jose City Guide > drain repair

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](#)

Yahoos: [Report bad local results or ads for this query.](#)

1 Plumber by Loses 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](#)

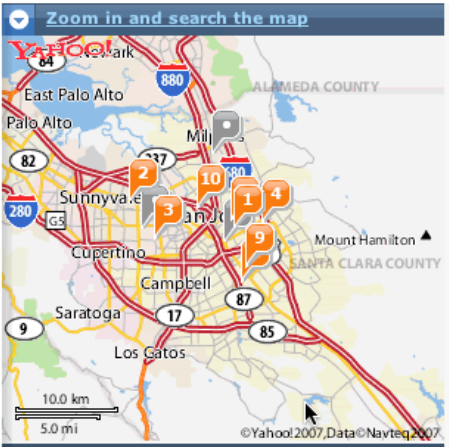
2 Sunnyvale Storm Drain Repairs ★★★★★ 6.22 mi
(408) 730-7510
221 Commercial St, Sunnyvale, CA
[Get Directions](#)
[Write a review](#)

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/
[Write a review](#)
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

☒ 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)	That '70s Show TV14 (CC)
249 COMEDY	Mind of Mencia TV14 (CC)	American Body Shop TV14 (CC)	Daily Show With Jon Stewart TV14 (CC)	Colbert Report TV14 (CC)	Rodney Carrington Live at the Majestic TV14 (CC)	
254 AMC	Patriot Games TV14 (CC)					Buffalo Soldiers TV14 (CC)
256 TCM	Flying Tigers (CC)				Air Force (CC)	
265 A&E	Criss Angel: Mindfreak TVPG (CC)	Criss Angel: Mindfreak TVPG (CC)	Criss Angel: Mindfreak TVPG (CC)	Criss Angel: Mindfreak TVPG (CC)	Dog the Bounty Hunter TVPG (CC)	Dog the Bounty Hunter TVPG (CC)
266 BIO	Breaking Vegas TVPG (CC)		Mobsters TVPG (CC)		Notorious TVPG (CC)	
269 HIST	Ice Road Truckers TVPG (CC)		Modern Marvels TVPG (CC)		Mega Disasters TVPG (CC)	
273	Kathy Griffin: My Life on the D-List		Flipping Out	Kathy Griffin: My Life on the D-List		Kathy Griffin:

TV Listings

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

Tuesday, July 24 7 pm Go

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247 TBS	MLB Baseball (CC)					
248 FX	Damages TVMA (CC)		Damages TVMA (CC)		That '70s Show TV14 (CC)	That '70s Show TV14 (CC)
249 COMEDY	Mind of Mencia TV14 (CC)	American Body Shop TV14 (CC)	Daily Show With Jon Stewart TV14 (CC)	Colbert Report TV14 (CC)	Rodney Carrington Live at the Majestic TV14 (CC)	
254 AMC	Patriot Games TV14 (CC)					Buffalo Soldiers TV14 (CC)
256 TCM	Flying Tigers (CC)				Air Force (CC)	
265 A&E	Criss Angel: Mindfreak TVPG (CC)	Criss Angel: Mindfreak TVPG (CC)	Criss Angel: Mindfreak TVPG (CC)	Criss Angel: Mindfreak TVPG (CC)	Dog the Bounty Hunter TVPG (CC)	Dog the Bounty Hunter TVPG (CC)
266 BIO	Breaking Vegas TVPG (CC)		Mobsters TVPG (CC)		Notorious TVPG (CC)	
269 HIST	Ice Road Truckers TVPG (CC)		Modern Marvels TVPG (CC)		Mega Disasters TVPG (CC)	
273	Kathy Griffin: My Life on the D-List TVMA (CC)		Flipping Out TVMA (CC)	Kathy Griffin: My Life on the D-List TVMA (CC)		Kathy Griffin: My Life on the D-List TVMA (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

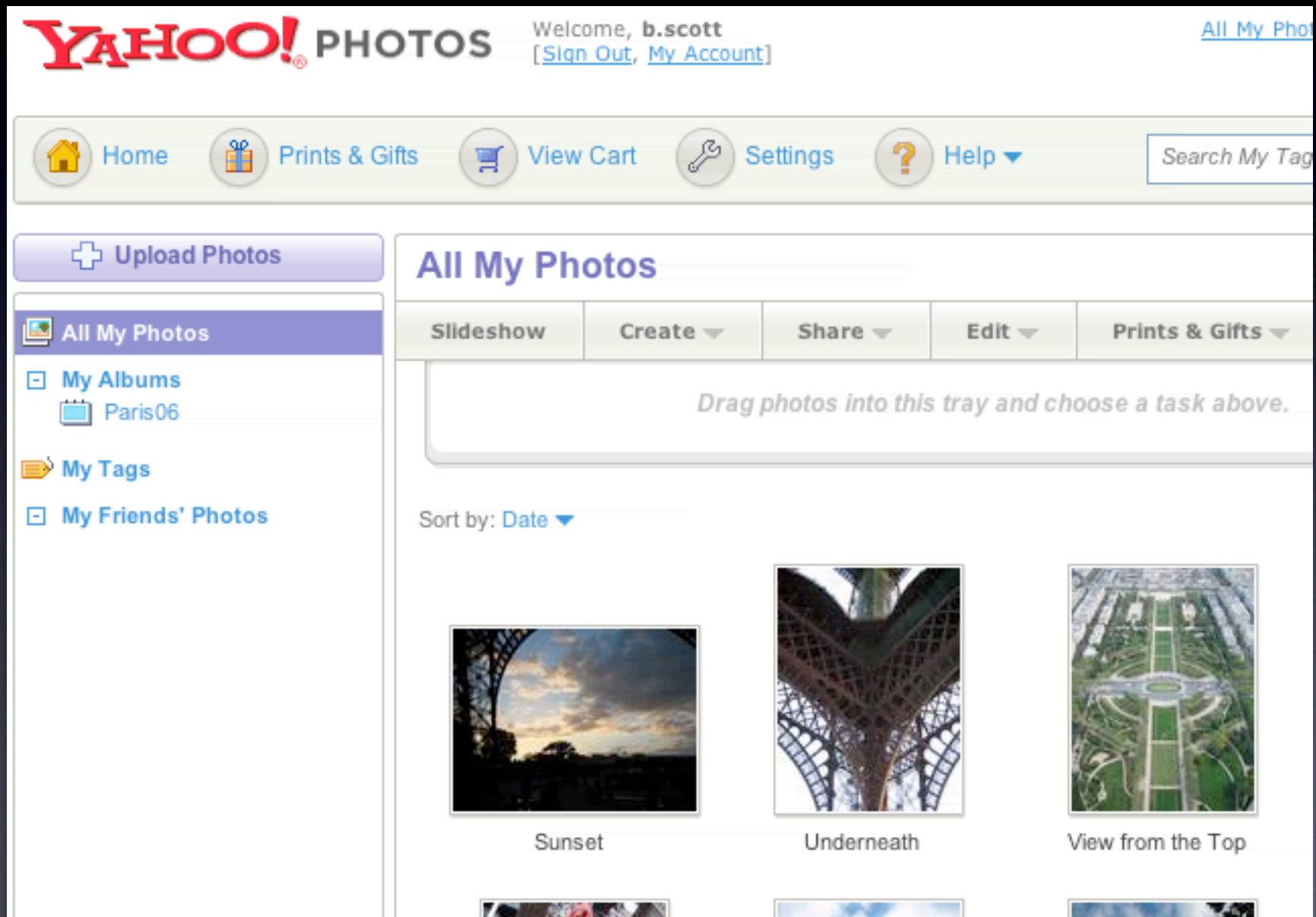
Use interesting moments grid to think through each moment

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
Drop Target	Normal	Normal	Normal	Insertion Bar	N/A	N/A	1. Insertion Bar Removed	N/A	N/A

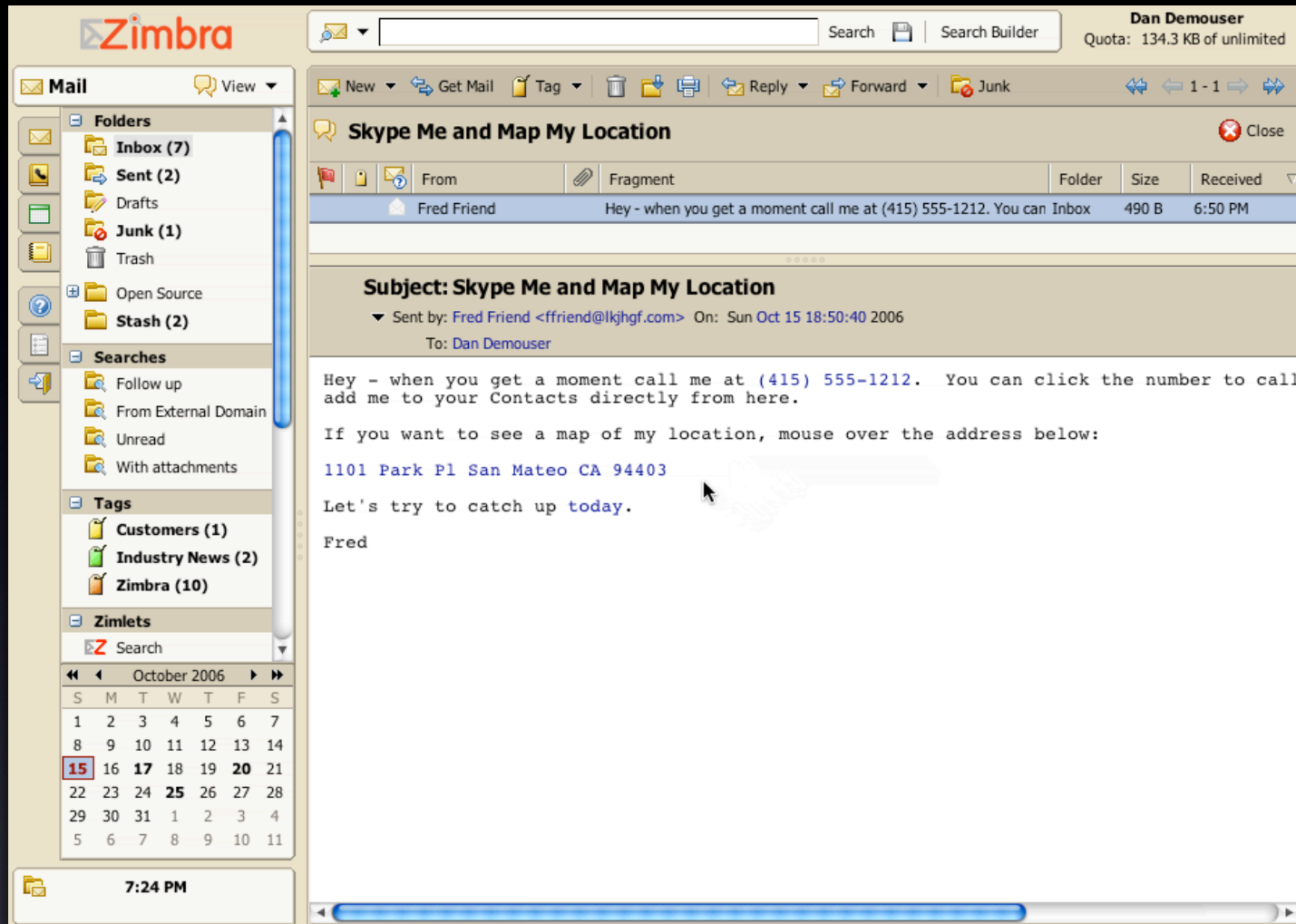
anti-pattern. missed moments

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



anti-pattern. **missed moments**

anti-pattern. missed moments



anti-pattern. missed moments

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

Step

Topo


and

1250

majo

Step


[TEXT ONLY]

**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

Kilauea

Mauna Loa

Earthquakes

Other Volcanoes

Volcanic Hazards

Types

Lava Zones

About HVO

YAHOO! GOBBLER™

Projects (8)

Geography: Land...

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

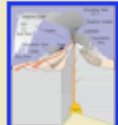
gobble this web page

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.

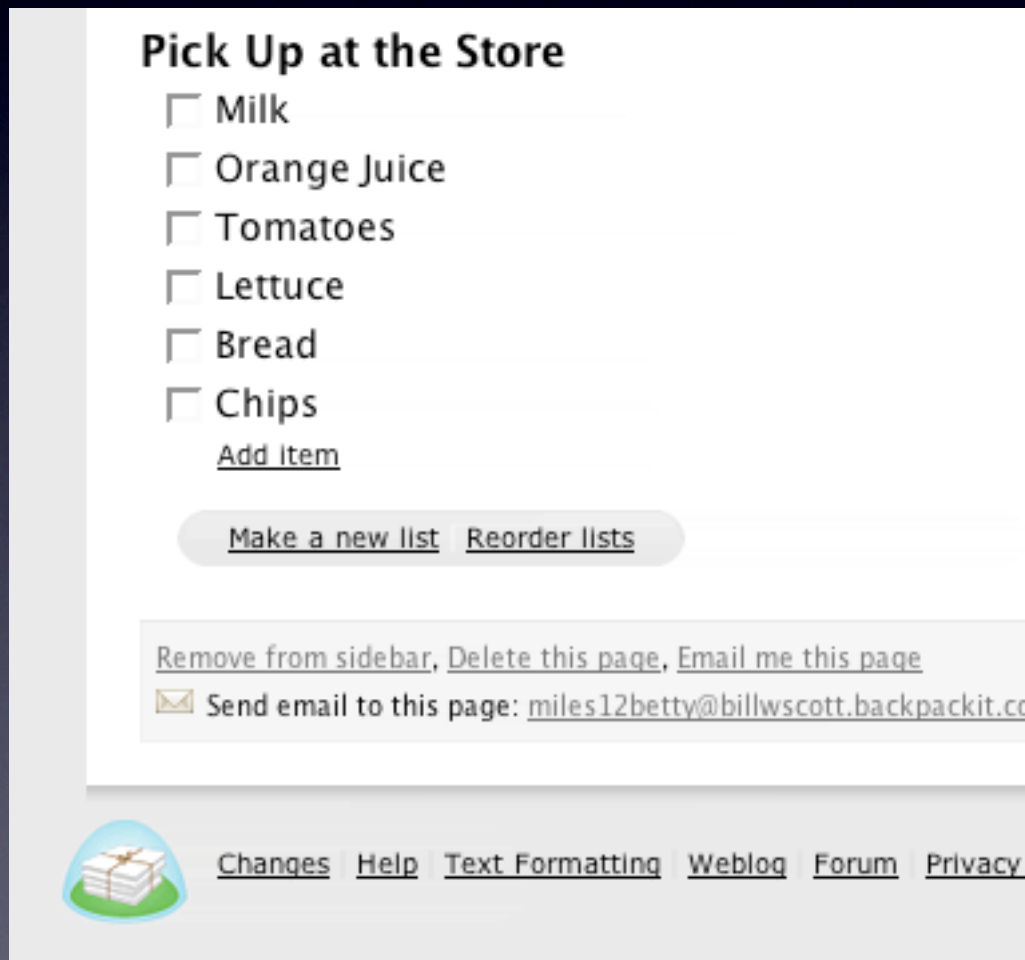
examples

backpackit

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


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

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



anti-pattern. one at a time

Takes one at a time check box to the extreme



my FUTON CRITIC
the web's best television resource

You are logged in as **b.scott@yahoo**

HOME

BREAKING NEWS

SHOWS A-Z

TV ON DVD

LISTINGS

RANTS & REVIEWS

SUMMER GUIDE

RATINGS

MYHOME

MYNEWS

MYSHOWS

MYDVD

MYLISTINGS

Q

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.



my blog.

looksgoodworkswell.com

this prez.

billwscott.com/share/presentations/2007/aebos/

my email.

b.scott@yahoo.com

Netflix is hiring!

Sr. Staff UI Engineer

Creative Director

Graphic Designer