

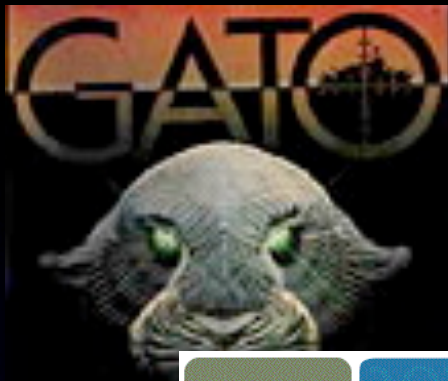
# Anti-Patterns

Designing for the Poor Web Experience

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Director, UI Engineering  
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# 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, 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 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](#).

#### DRAW AND DROP

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

#### CINEMATIC EFFECTS

When actions are no longer occurring just at the page level, Rico provides a way to communicate change in richer ways than just a simple page refresh. Rico provides several cinematic effects as well as some behaviors.

#### BEHAVIORS

Take some raw HTML and sprinkle in some behaviors and Rico you can get an [Accordion](#) component like those found in Laszlo. Just nest some DIVs and with one line of JavaScript you can 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!

Developer Network Home Help

Site Search Search

## YAHOO! DEVELOPER NETWORK

### Design Pattern Library

Yahoo! Developer Network > Design Pattern Library

#### USER NEEDS TO

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

#### Welcome

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

#### What's a Pattern?

A pattern describes an optimal solution to a common problem within a site.

#### 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

The user needs to re-arrange modules or content directly within a page.

##### 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 navigate through a set of sorted items from a single page.

##### Review Architecture

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

##### 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.

##### Writing a Review

User wants to leave their opinion on an object (place, product, etc.) in greater detail than a simple rating.

#### Scratchpad

Add Website to Scratchpad

#### Projects(3)

##### National Mapping - Fab Facts, Landforms

<http://www.ga.gov.au/education/fab>

##### Geography: Landforms

Add Website to Project

The cell is engaged in metabolic activity and performing its preparatory work.

##### Civil War Battles

Add Website to Project

Create a new Project

2



# 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. jabberwocky.

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&#39;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.*

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

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

Howstuffworks &quot;...  
<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...>

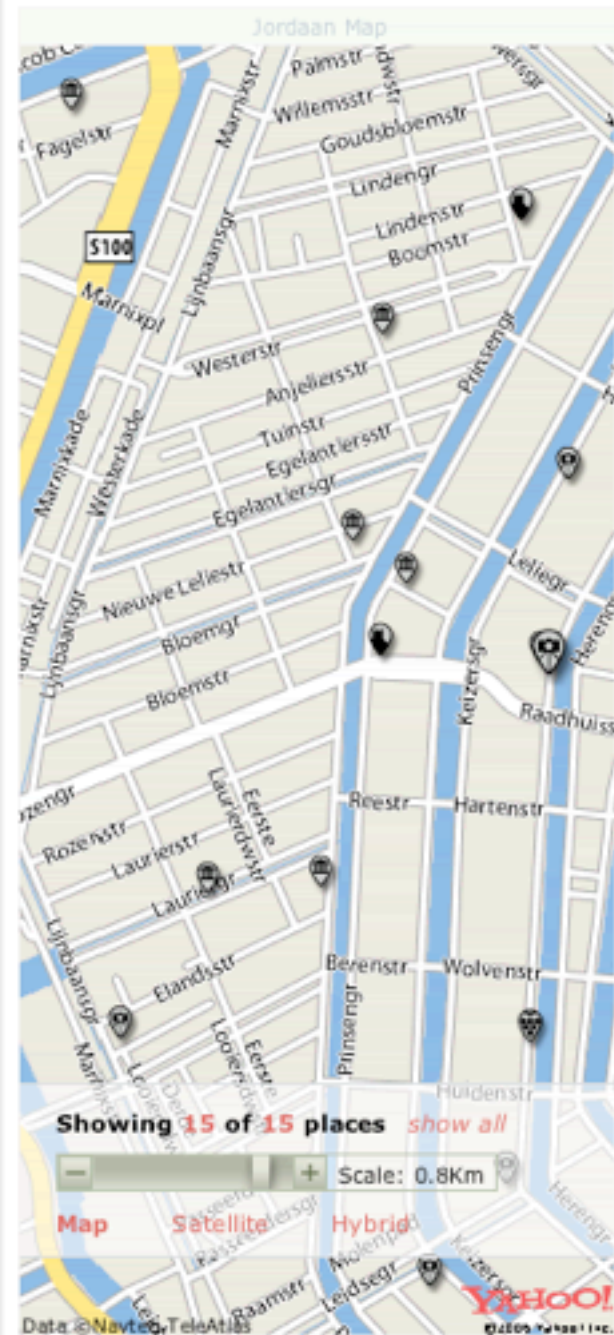
Operation Montserrat...  
<http://emissionhq.co...>

Howstuffworks &quot;...  
<http://www.howstuffw...>

SPACE.com --

Volcanoes: Principa...  
<http://www.britannica.com/...>

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



## Places

## Photos

**Admiraal Cheers!**

print • zoom in

**Anne Frank House**

Anne Frank's Hideaway  
print • zoom in

**Brouwersgracht**

Canal at the city centre  
print • zoom in

**Dutch Theatre Institute**

Theater, museum and library  
print • zoom in

**Het Huis met de Hoofden**

House of heads  
print • zoom in

**Houseboat Museum**

Living on Water  
print • zoom in

**Marcel Wanders**

Wander & Wonder!  
print • zoom in

**Pianola Museum**

History of the pianola  
print • zoom in

**Spiegelkwartier**

Picturesque neighbourhood  
print • zoom in

**The North Church**

In the Jordaan  
print • zoom in

**The West Church**

Amsterdam's Most Famous Church



Photo: wcities

**Dutch Theatre Institute**

Herengracht 168  
Amsterdam, 1016 BP  
Tel: +31 (0)20 551 3300  
[info@tin.nl](mailto:info@tin.nl)  
[www.theaterinstituut.nl](http://www.theaterinstituut.nl)

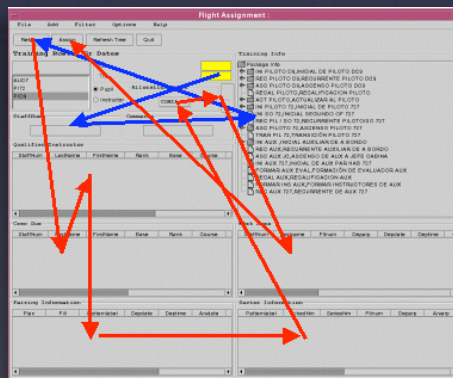
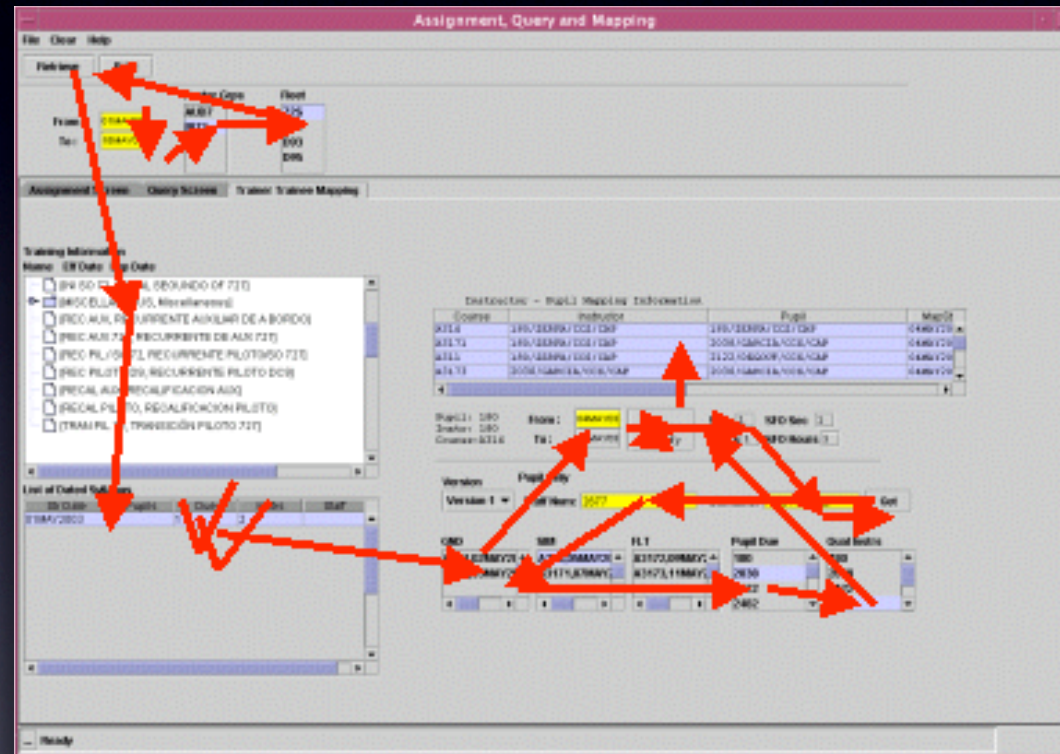
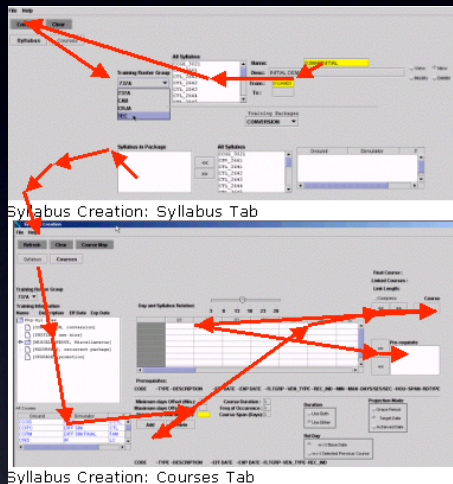
This theater was established as a museum in 1924. In the 1960s, a library and gallery space were added. In the late 1970s, it merged with the Dutch Centre of the International Theatre Institute, creating an entirely new entity. The establishment is spread over five 17th Century buildings, overlooking one of the main canals. It has a museum, a gallery, a cafe, a library with 6,000 videos and 10,000 books and also a theatre with 100 seats. In addition, it has an activity area for children, a garden, and even meeting rooms. Puppetry shows, cabaret, dance drama, circus, lectures, debates and discussions are also conducted in the auditorium.

Review © 2007, [Wcities](#)



# 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

[Yahoo!](#) [My Yahoo!](#) [Mail](#)

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

**YAHOO! FOR TEACHERS**

[Home](#) [Explore](#) [Connect](#) [How to](#)

[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](#)
- ▶ [Social Studies](#)
- ▶ [Science](#)

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

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

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

### 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**

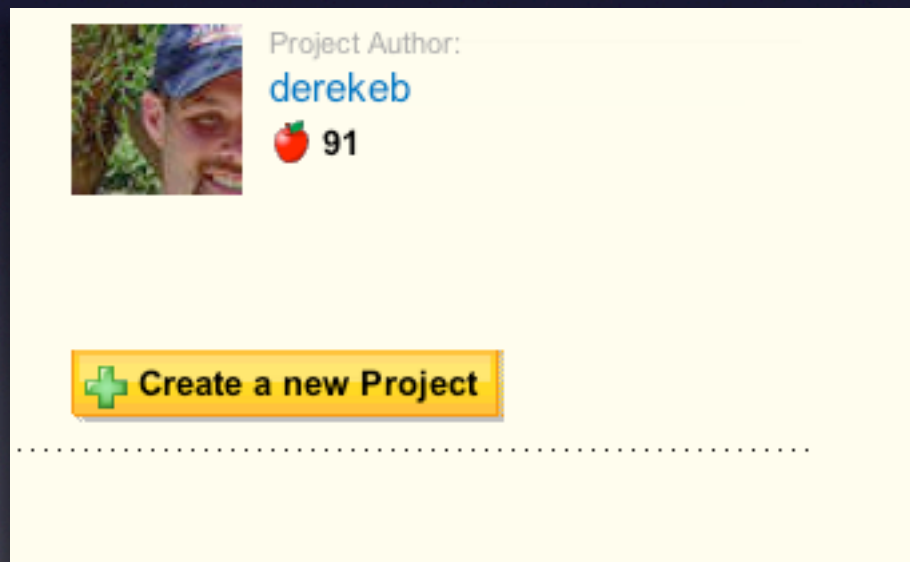
*The identity card area has a summary view and an expanded view.  
The targeting is really small and caused lots of usability issues.*

*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.

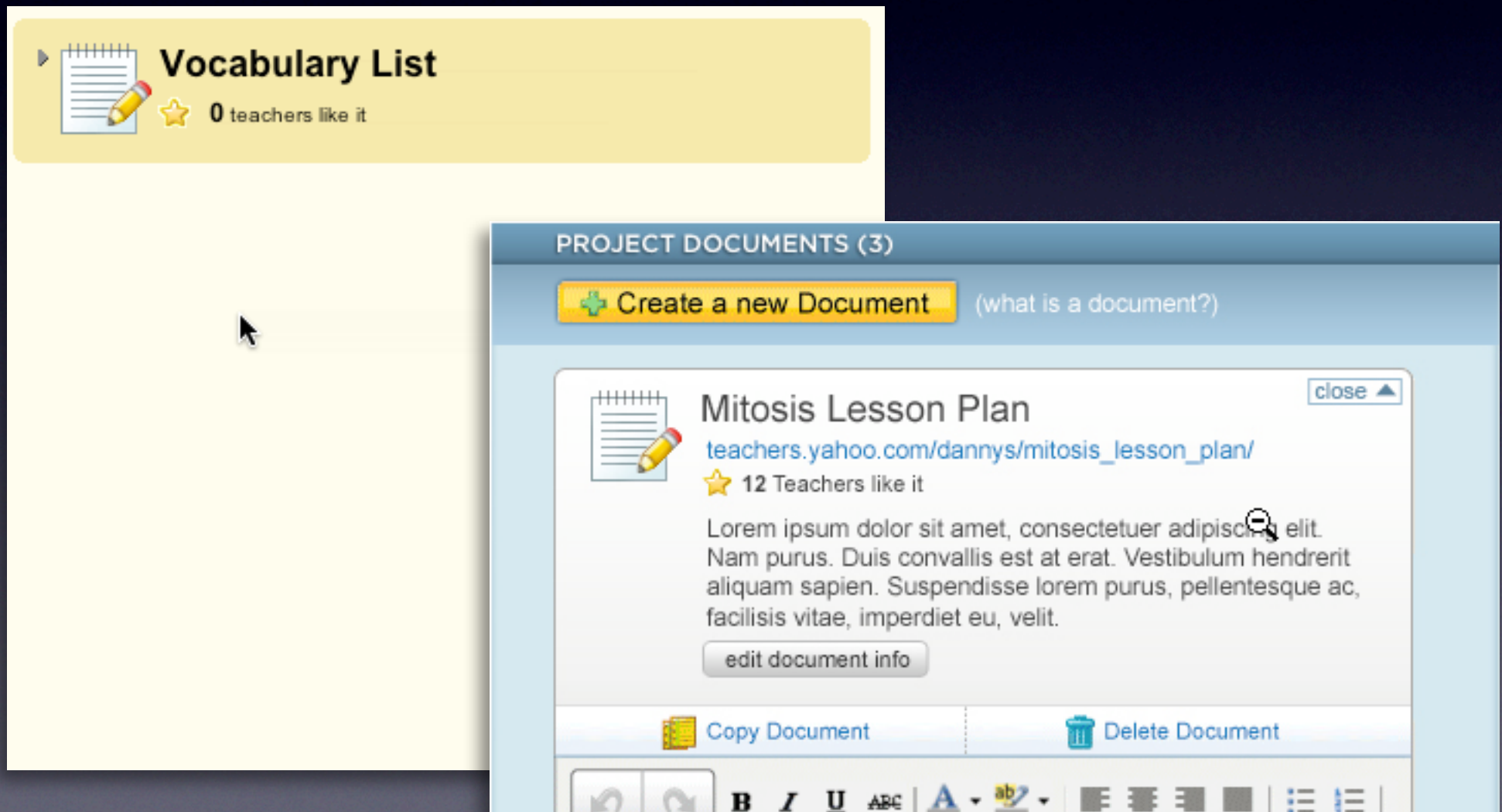




# anti-pattern. **tiny targets**

*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


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 and outdoor recreation stores also sell 1250 about Mount St. Helens. [Click here](#) major dome building episodes. Your map

### Step 2. Creating a Pattern.



[TEXT ONLY]




science for a changing world

## Hawaiian Volcano Observatory

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

### 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

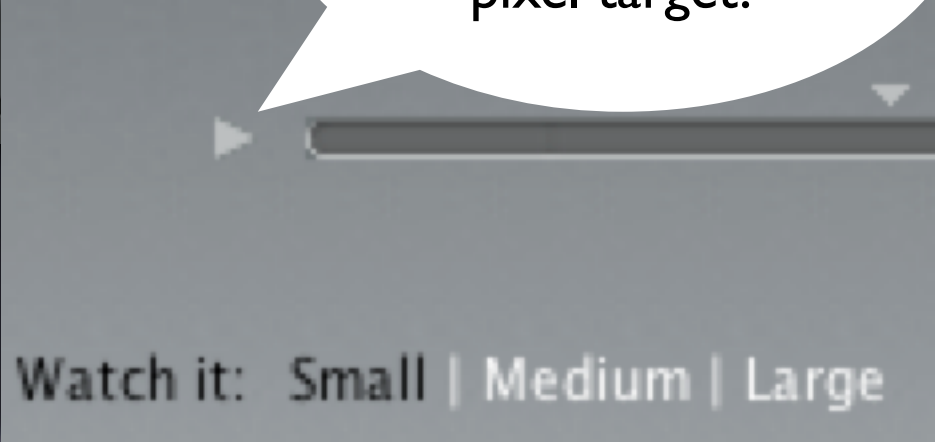


# anti-pattern. tiny targets

*Apple iphone keyboard*



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**

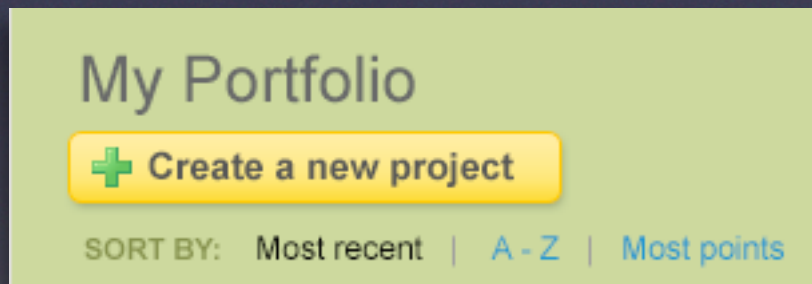
Activation targets and important commands need to be **large enough**, **visually distinct** and in **proximity** to operation.

**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)

**Geography: Landforms**  
Copy

**Websites (27 items)**

- Landforms: Face of t...**  
<http://www.edu.pe.ca...>  
Copy  
Delete  
Preview
- Volcanism 01**  
<http://geoimages.ber...>
- Volcano Types Diagram...**  
<http://flickr.com/ph...>
- Land Forms - Continents...**  
<http://www.mcwn.org...>
- Volcanoes**  
<http://pubs.usgs.gov...>

**Documents:**

- Vocabulary List**  
0 teachers like it  
Edit Standards  
Copy Document

**Landforms Vocabulary**

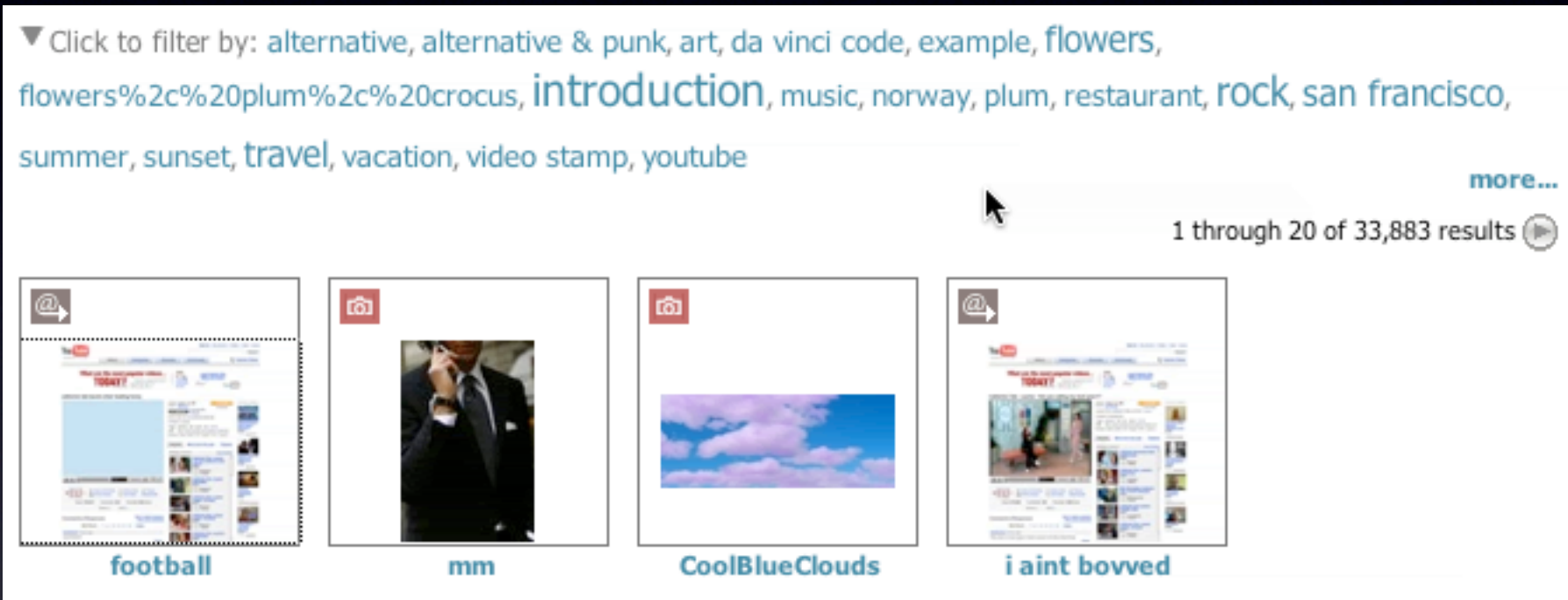
**Volcano**



# anti-pattern. hover & cover

*Example from plum.com*

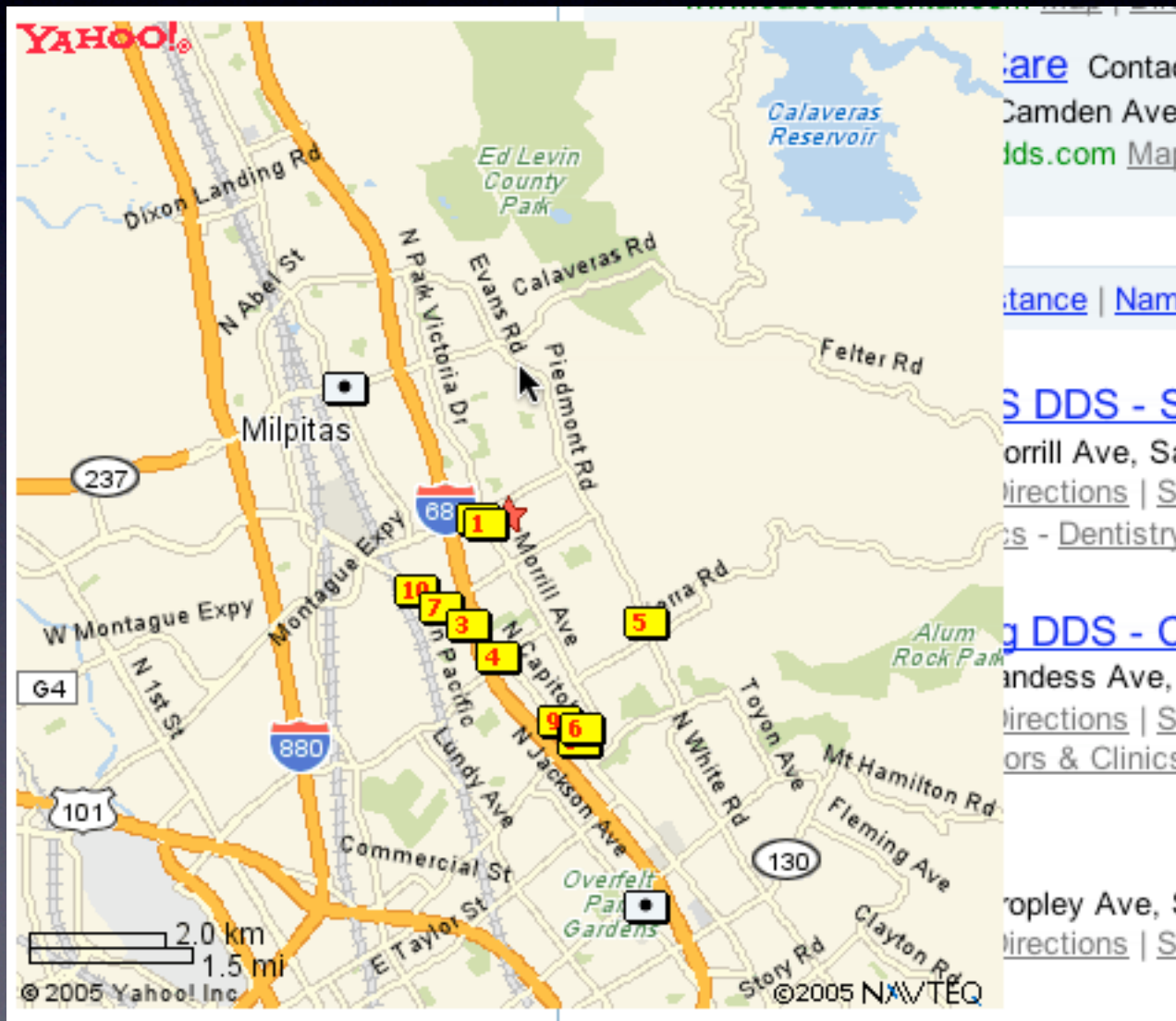
*Drop down menu shows on hover and gets in the way. Too easy to accidentally turn it on.*



# anti-pattern. **hover & cover**

*Yahoo! Local originally had this hover beast.*

*Thankfully it no longer functions this way :-)*

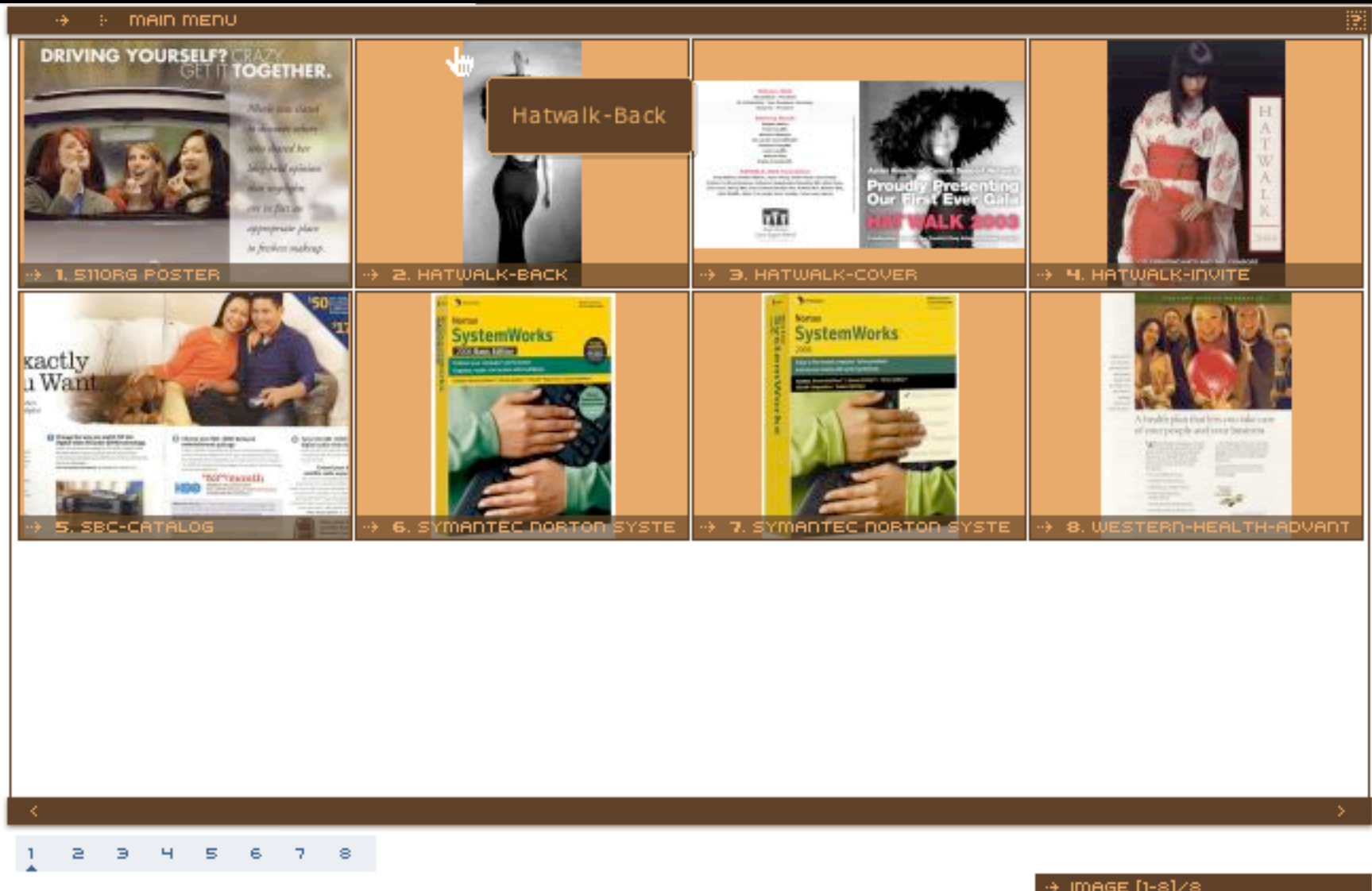




# anti-pattern. hover & cover

*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. The card includes a movie poster, the title "Monkey Business", a star rating of 5 stars, and a description: "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](#)". There is an "Add" button. To the right of the card, a yellow banner says "All Discs Guaranteed!". Below the banner, text says "You loved it.. Now own it for just \$5.99". A list of features includes "FREE shipping", "original artwork", and "hardcover case". A "Shop now" link is present. At the bottom, another movie card for "Lackawanna Blues" is partially visible. A yellow button labeled "Rate Your" is at the bottom right.



# anti-pattern. **borg idiom**

## **summary**

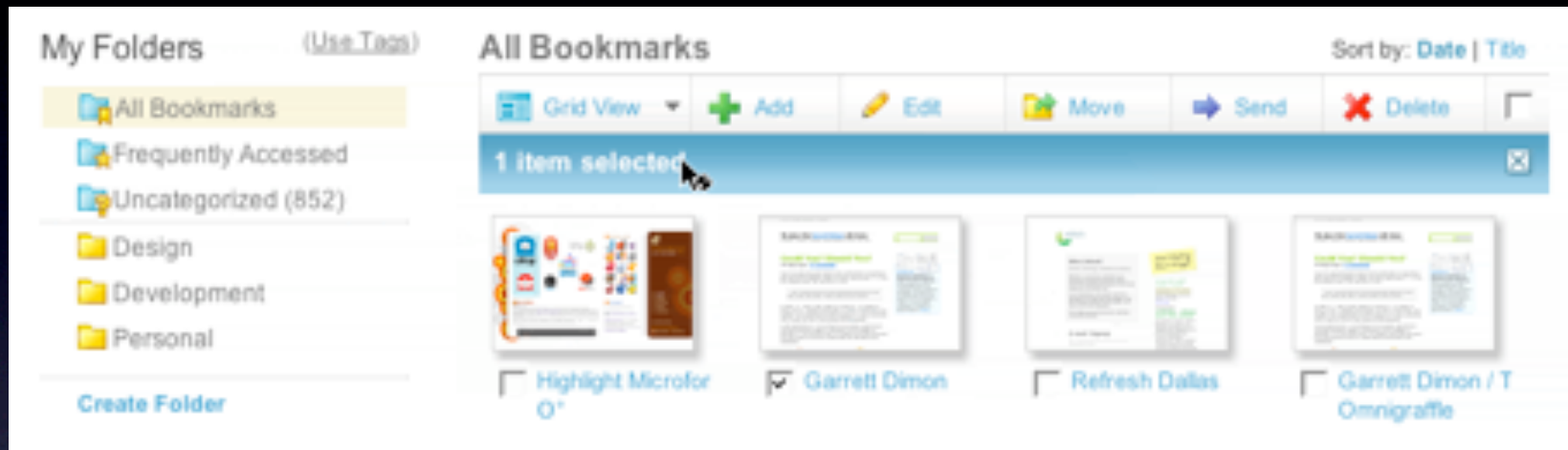
*Not all idioms play well together. Some idioms are more powerful than others. For example, tree controls, drag and drop, selection mechanisms all set up an “interaction theme”.*

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

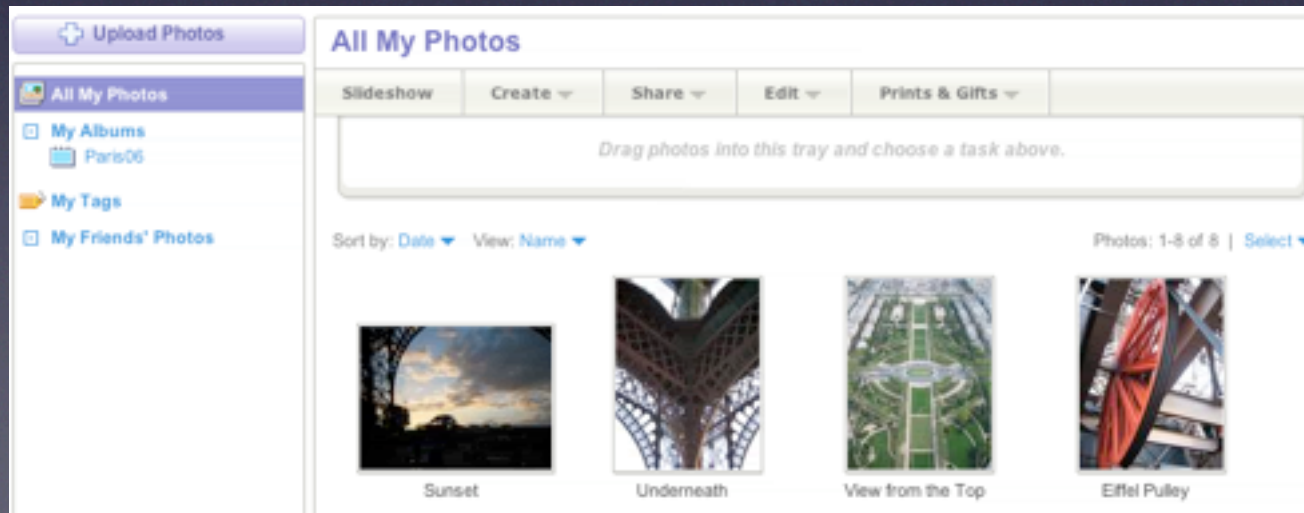
**Borg Idiom** *is the phenomenon of an idiom (once adopted) assimilating the rest of the interface. Sometimes the assimilation is just the fact that one idiom dominates due to the way the interface clues the user to their presence.*

# 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.*



*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
 <b>Geography: Landforms Copy</b> ★ 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

*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.*

## My Portfolio

[+ Create a new project](#)

7 projects in my portfolio

10 documents in my portfolio

SORT BY: Most recent | [A - Z](#) | [Most points](#)

**Project Name Here** (last updated 20 hours ago) [view](#) | [delete](#)

### Subject area here

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.

**CA, Grade 4, 5**

[View Standards](#)

[edit project info](#)

DOCUMENTS:

**Document Name Here** (last updated 3 days ago) [preview](#) | [edit](#) | [delete](#)

[sampledocumenturl.com](#)

**Document Name Here** (last updated 6 days ago) [preview](#) | [edit](#) | [delete](#)

[sampledocumenturl.com](#)

**Project Name Here** (last updated 2 days ago) [view](#) | [delete](#)

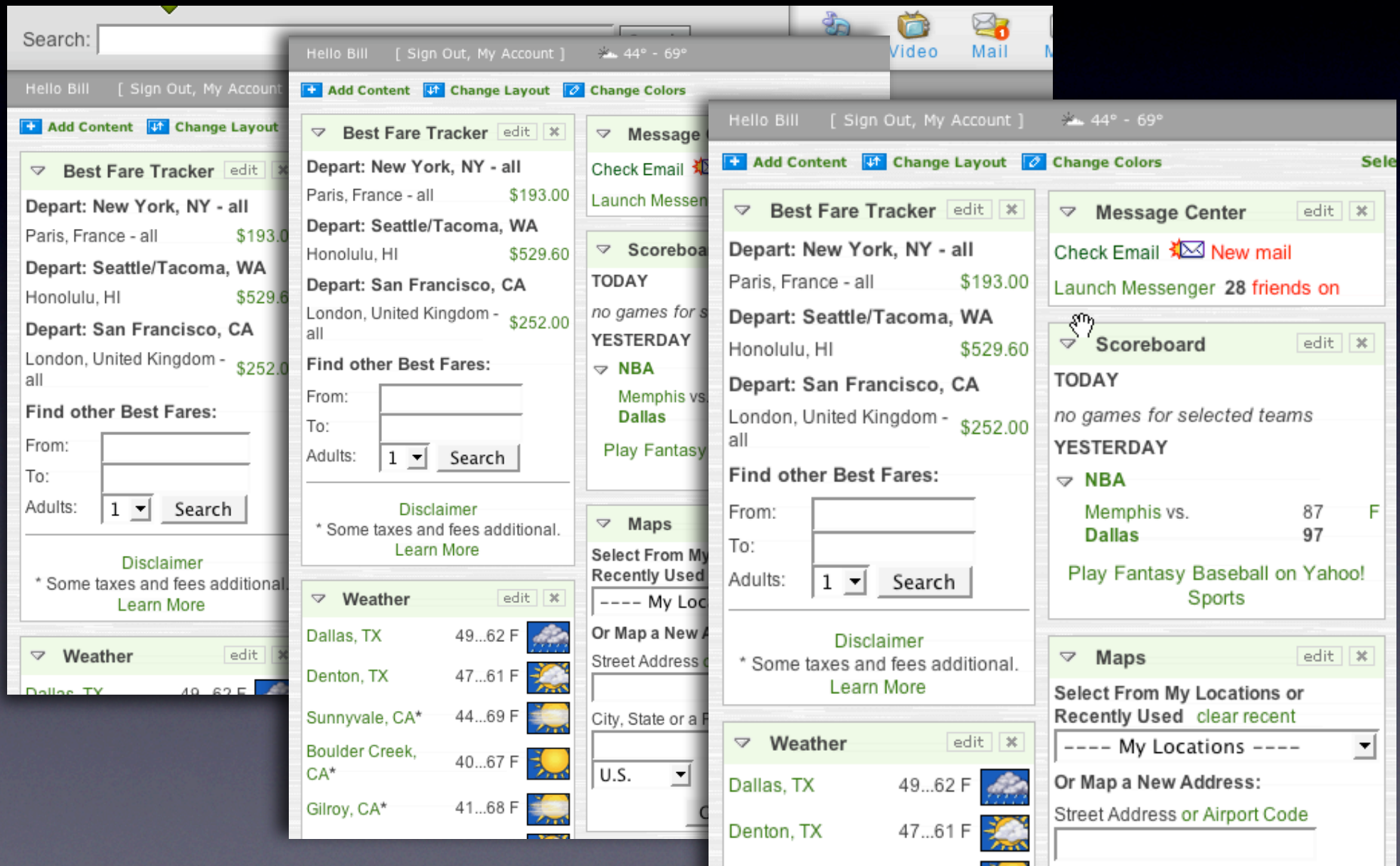
**Project Name Here** (last updated 4 days ago) [view](#) | [delete](#)

**Project Name Here** (last updated 12 days ago) [view](#) | [delete](#)

31

# 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	<a href="#">SCTV Network 90: Vol. 2: Disc 1</a>		★★★★★	NR	Television	Now	<input type="checkbox"/>	▲	
2	<a href="#">SCTV Network 90: Vol. 2: Disc 3</a>		★☆☆☆☆ Series Disc	NR	Television	Now	<input type="checkbox"/>	▲	
3	<a href="#">SCTV Network 90: Vol. 2: Disc 4</a>	☞	★☆☆☆☆ Series Disc	NR	Television	Now	<input type="checkbox"/>	▲	
4	<a href="#">The Truman Show</a>		★★★★☆	PG	Comedy	Now	<input type="checkbox"/>	▲	
5	<a href="#">SCTV Network 90: Vol. 2: Disc 5</a>		★☆☆☆☆ Series Disc	NR	Television	Now	<input type="checkbox"/>	▲	
6	<a href="#">Take the Money and Run</a>		★★★☆☆	R	Comedy	Now	<input type="checkbox"/>	▲	
7	<a href="#">The Gathering Storm</a>		★★★★☆	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

[Home](#) **Inbox** 2622 messages

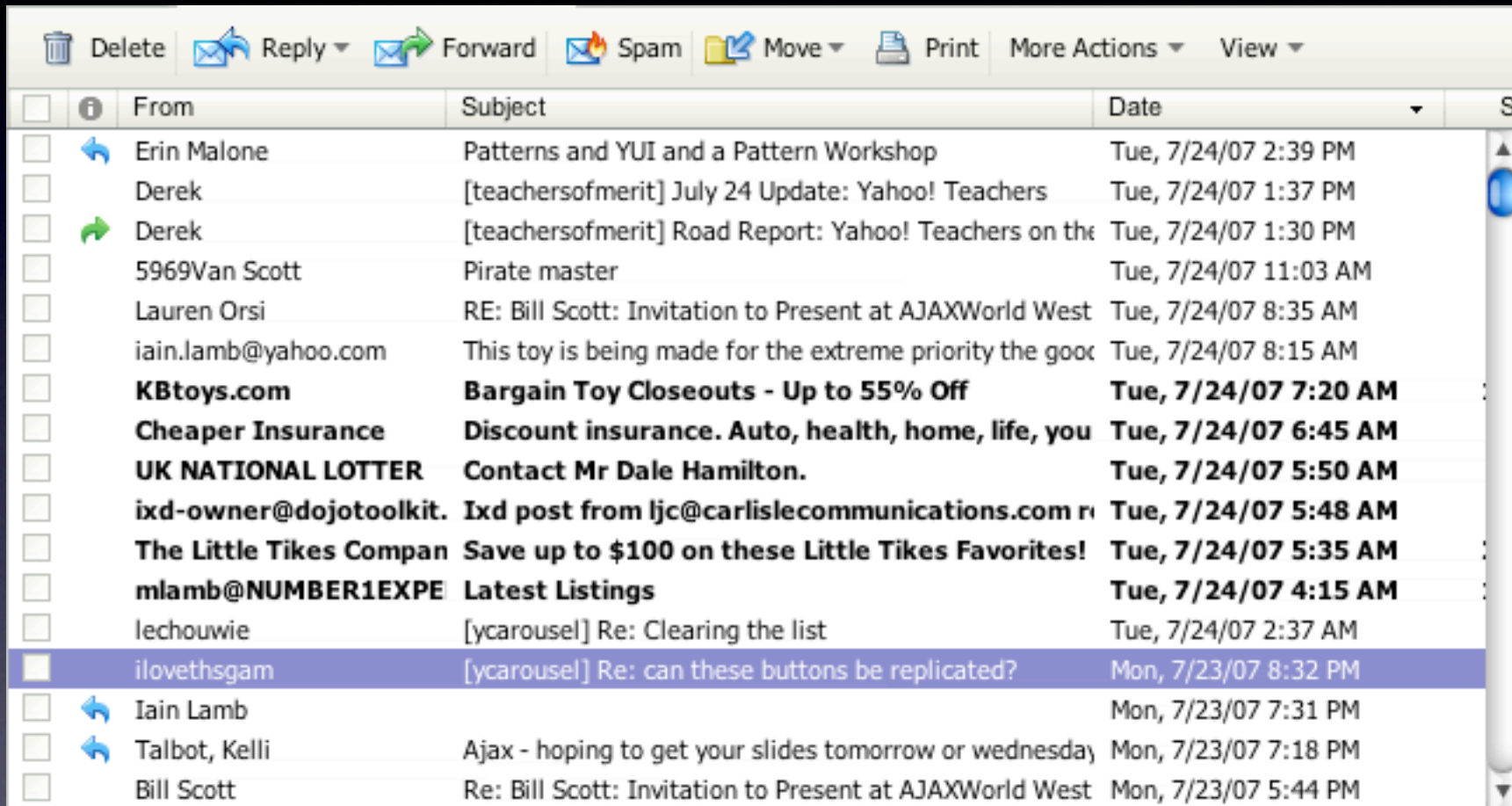
[Reply](#) [Forward](#) [Print](#) [Spam](#) [Delete](#) [More Actions](#) [View](#)

	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"/>		<b>KBtoys.com</b>	<b>Bargain Toy Closeouts - Up to 55% Off</b>	<b>Tue, 7/24/07 7:20 AM</b>	
<input type="checkbox"/>		<b>Cheaper Insurance</b>	<b>Discount insurance. Auto, health, home, life, you</b>	<b>Tue, 7/24/07 6:45 AM</b>	
<input type="checkbox"/>		<b>UK NATIONAL LOTTERY</b>	<b>Contact Mr Dale Hamilton.</b>	<b>Tue, 7/24/07 5:50 AM</b>	
<input type="checkbox"/>		ixd-owner@dojotoolkit.	Ixd post from ljc@carlislecommunications.com re	Tue, 7/24/07 5:48 AM	
<input type="checkbox"/>		<b>The Little Tikes Company</b>	<b>Save up to \$100 on these Little Tikes Favorites!</b>	<b>Tue, 7/24/07 5:35 AM</b>	
<input type="checkbox"/>		<b>mlamb@NUMBER1EXPERIENCE</b>	<b>Latest Listings</b>	<b>Tue, 7/24/07 4:15 AM</b>	
<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 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 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.

*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

*novel approach to putting candy in a box... how about drag and drop?*

**ROGERS' CHOCOLATES**MY ROGERS' WELCOME BILL SCOTT LOGOUT

Shop Online My Rogers' Resources Locations About Us Help Press Room

1 item is in your cart [VIEW CART](#) [CHECKOUT](#)

**Flavours**

- Standard Assortment
- Blueberry
- Candy Cane
- Caramel
- Cherry
- Chocolate
- Chocolate Nut
- Chocolate Swirl
- Coconut
- Coffee
- Cranberry
- Dk Choc Almond Brittle
- Eggnog
- Empress Square
- Ginger
- Lemon
- Maple
- Maple Nut
- Marzipan
- Mk Choc Almond Brittle
- Orange
- Peach
- Peppermint
- Pumpkin
- Raspberry
- Rum
- Strawberry
- Vanilla

**Box Name**  [DONE](#)

If you are satisfied with the selected assortment, click Done.


To change a flavour in this assortment:

**Step 1** - click on a chocolate below to remove it from the box.

**Step 2** - click on a flavour from the left to add to the box.

**Step 3** - when the box is full, please give it a name above (e.g. "Chocolates for Mom") and click Done. The name you enter here will appear on your confirmation.

Caramel Cream (x2), Chocolate (x1), Coffee (x1), Dk Choc Almond Brittle (x1), Empress Square (x2), Lemon (x1), Vanilla (x1), Pumpkin (x1)



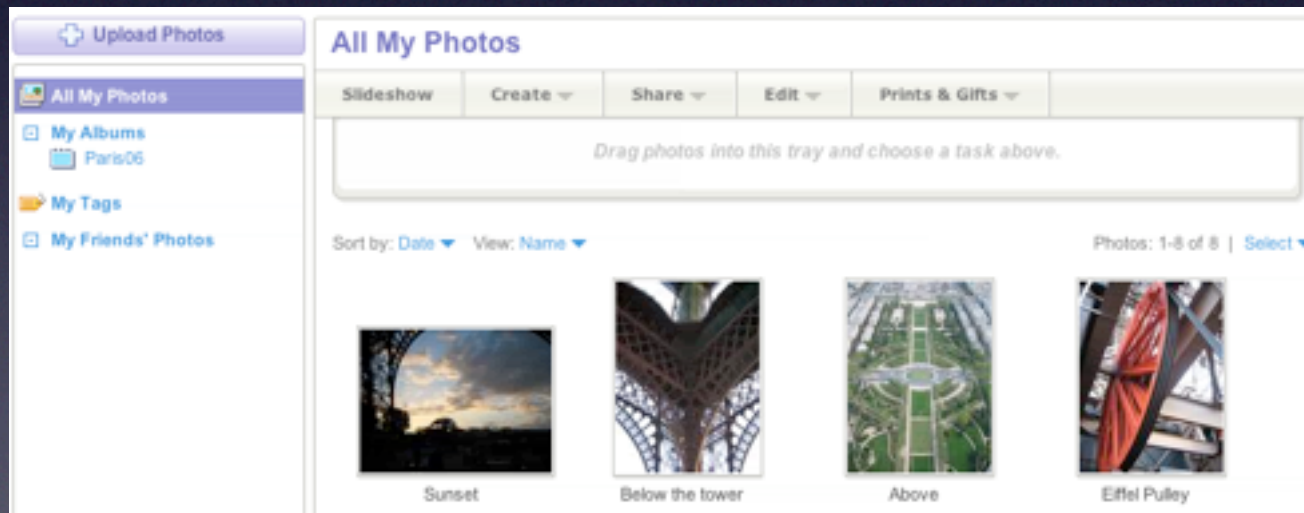


# anti-pattern. **novel notion**

*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.*



... editors have some graphic capabilities, they're  
... L limitations. Buzzword, however, can flow text around  
... To place a graphic into this document, open the Image  
... the Insert Image icon. Or, you can select Image... from





# 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)


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

 **Weather**  
78°F

 **Messenger**

 **Local**

 **Radio**

 **Horoscope**

**SUNDAY**  
**AUGUST 2007**

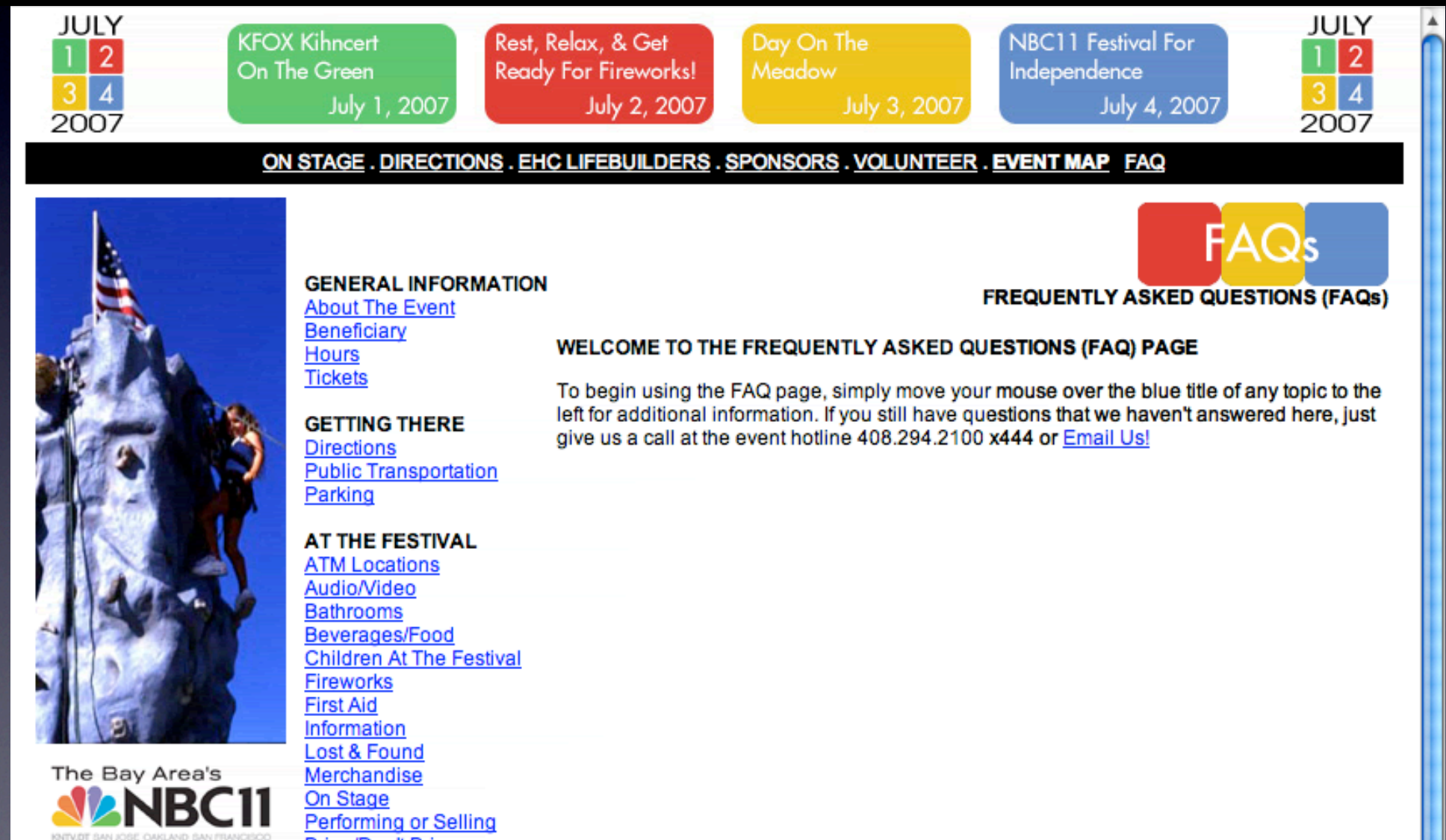
**5**

**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)

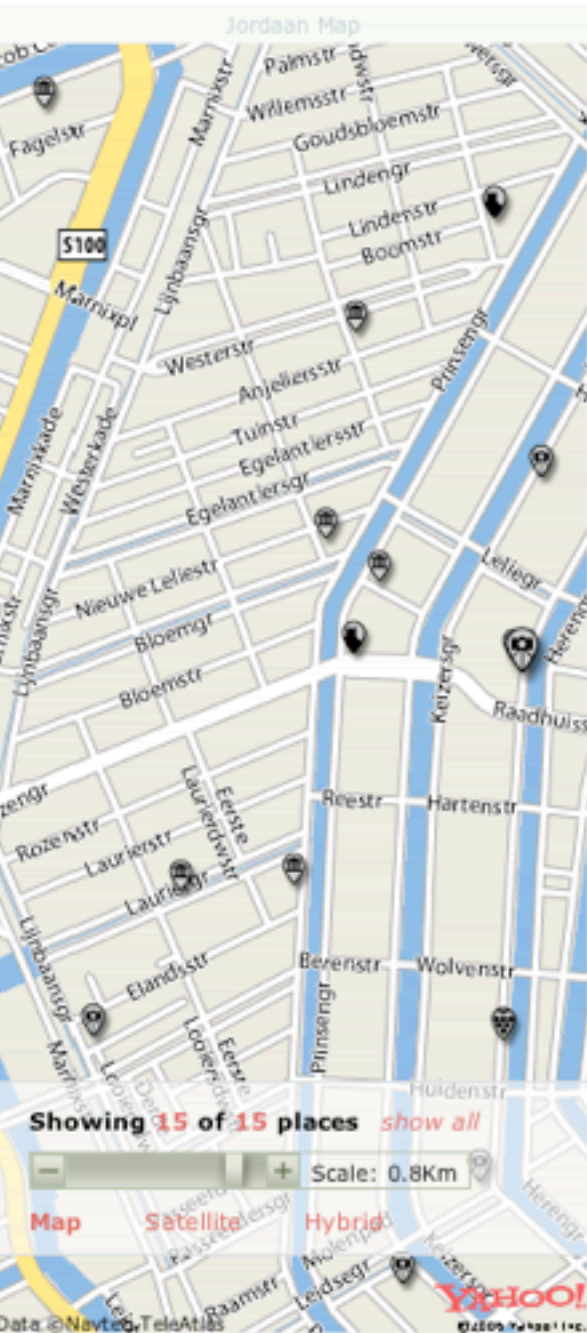
**GENERAL INFORMATION**  
[About The Event](#)  
[Beneficiary](#)  
[Hours](#)  
[Tickets](#)

**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](#)  
[Price/Desk Price](#)

**The Bay Area's**  
**NBC11**  
KNIX-TV SAN JOSE OAKLAND SAN FRANCISCO





Places	Photos
<b>Admiraal Cheers!</b> <a href="#">print</a> • <a href="#">zoom in</a>	
<b>Anne Frank House</b> Anne Frank's Hideaway <a href="#">print</a> • <a href="#">zoom in</a>	
<b>Brouwersgracht</b> Canal at the city centre <a href="#">print</a> • <a href="#">zoom in</a>	
<b>Dutch Theatre Institute</b> Theater, museum and library <a href="#">print</a> • <a href="#">zoom in</a>	
<b>Het Huis met de Hoofden</b> House of heads <a href="#">print</a> • <a href="#">zoom in</a>	
<b>Houseboat Museum</b> Living on Water <a href="#">print</a> • <a href="#">zoom in</a>	
<b>Marcel Wanders</b> Wander & Wonder! <a href="#">print</a> • <a href="#">zoom in</a>	
<b>Pianola Museum</b> History of the pianola <a href="#">print</a> • <a href="#">zoom in</a>	
<b>Spiegelkwartier</b> Picturesque neighbourhood <a href="#">print</a> • <a href="#">zoom in</a>	
<b>The North Church</b> In the Jordaan <a href="#">print</a> • <a href="#">zoom in</a>	
<b>The West Church</b> Amsterdam's Most Famous Church	



Photo: wclties

**Dutch Theatre Institute**

Herengracht 168  
 Amsterdam, 1016 BP  
 Tel: +31 (0)20 551 3300  
[info@tin.nl](mailto:info@tin.nl)  
[www.theaterinstituut.nl](http://www.theaterinstituut.nl)

This theater was established as a museum in 1924. In the 1960s, a library and gallery space were added. In the late 1970s, it merged with the Dutch Centre of the International Theatre Institute, creating an entirely new entity. The establishment is spread over five 17th Century buildings, overlooking one of the main canals. It has a museum, a gallery, a cafe, a library with 6,000 videos and 10,000 books and also a theatre with 100 seats. In addition, it has an activity area for children, a garden, and even meeting rooms. Puppetry shows, cabaret, dance, drama, circus, lectures, debates and discussions are also conducted in the auditorium.

Review © 2007, [Wclties](#)

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NASA's Spitzer Space Telescope has spotted a stellar prodigy which may provide insight into when planets began to form in our own solar system. [Read More](#)



SHUTTLE &amp; STATION



SOLAR SYSTEM



AERONAUTICS

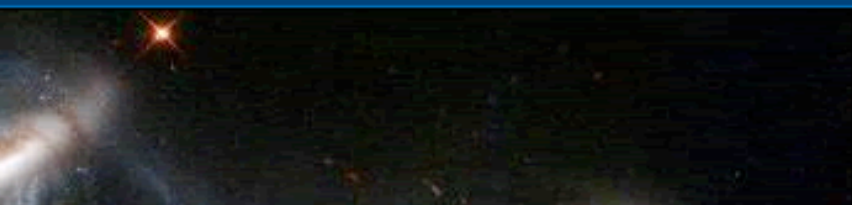


TECHNOLOGY

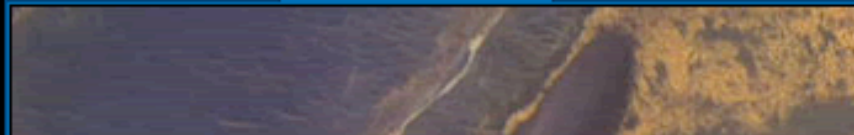


NASA PEOPLE

## Image of the Day Gallery



## NASA TV & Video

[NASA TV \(Live\)](#)[Video On Demand](#)

## Popular Content

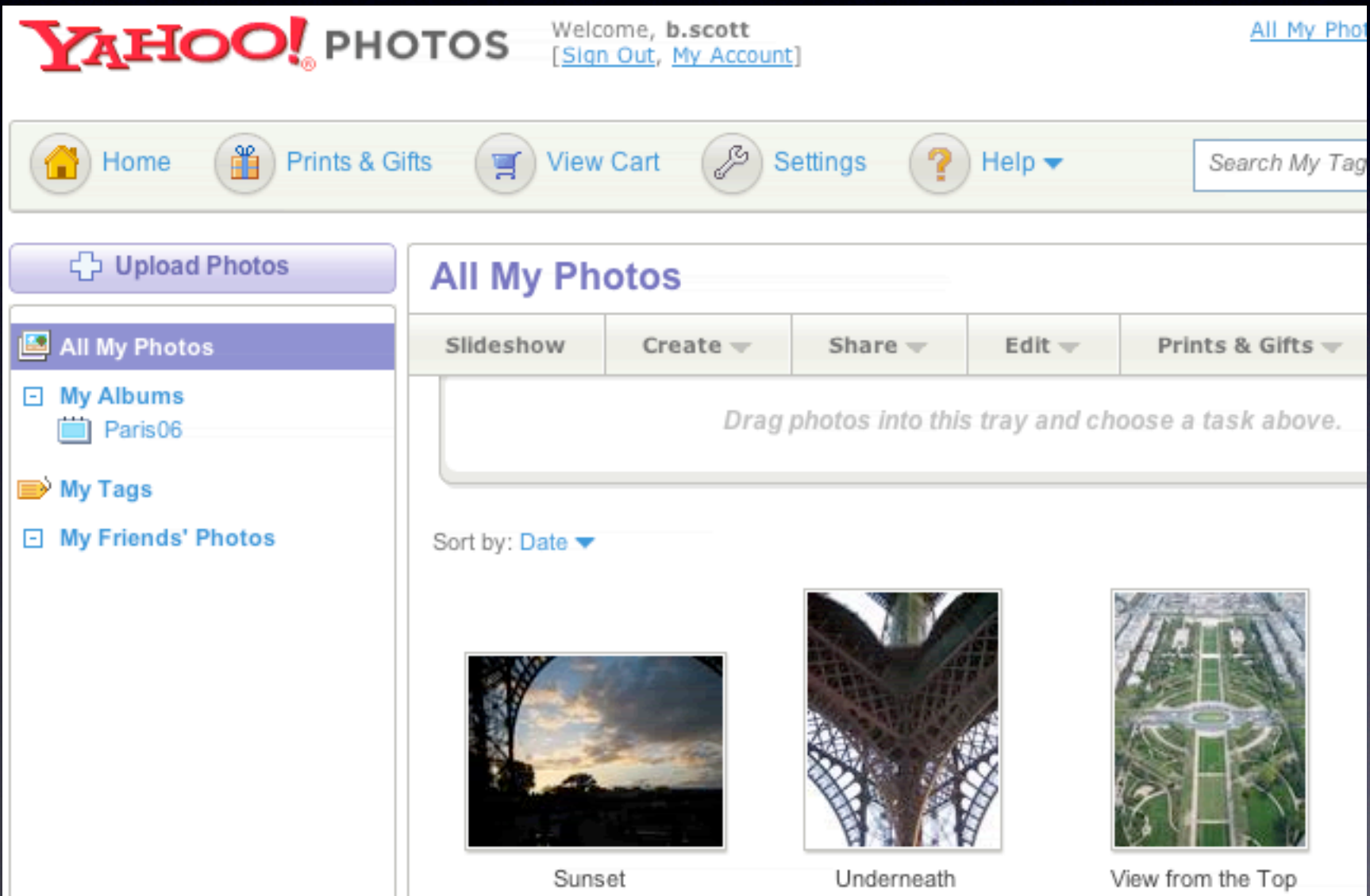
[mars](#)[nasa tv](#)



# 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

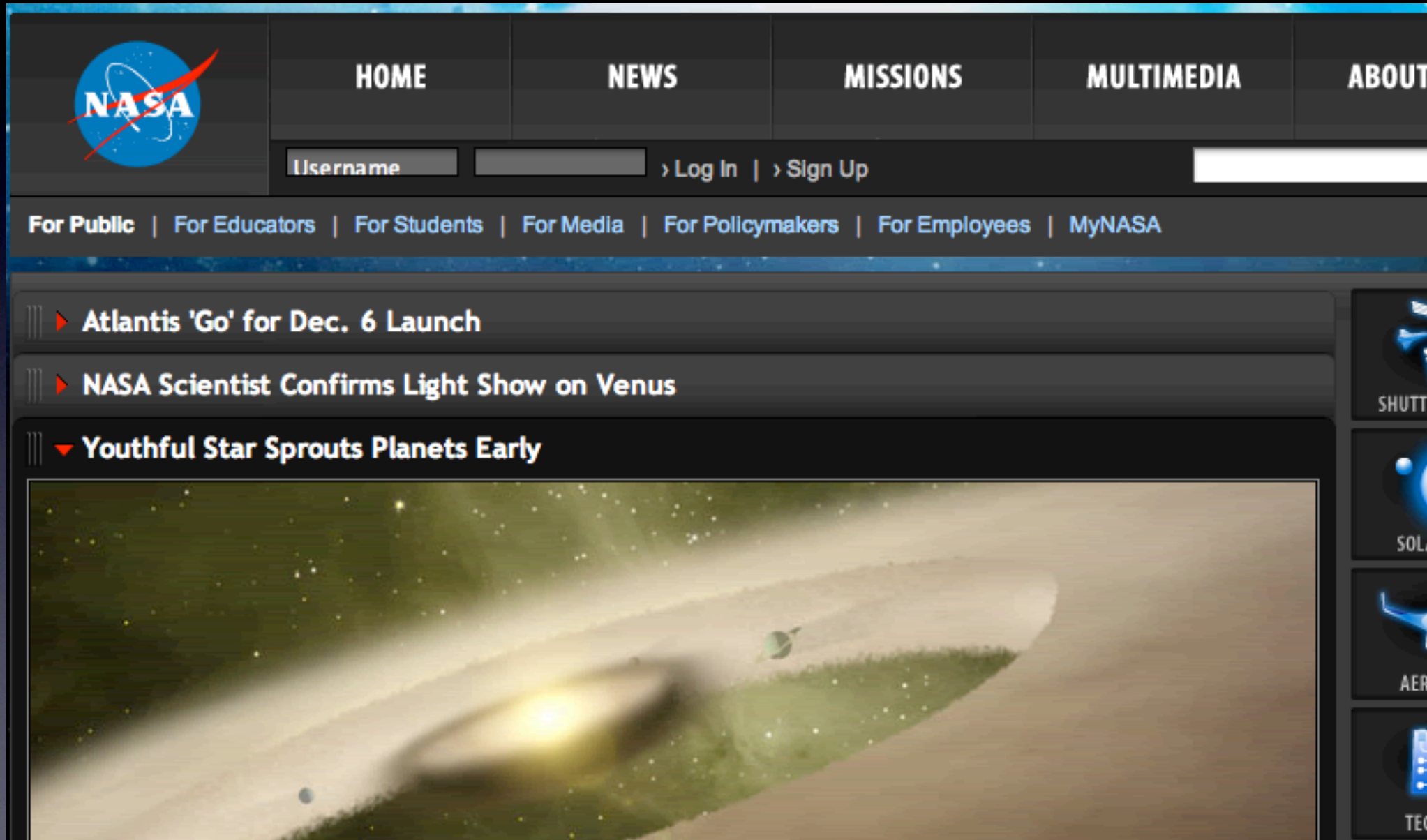
Keep the seed bed moist (but not soggy) until sod roots knit with soil below. In hot weather, you may have to water more than once a day.

### 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

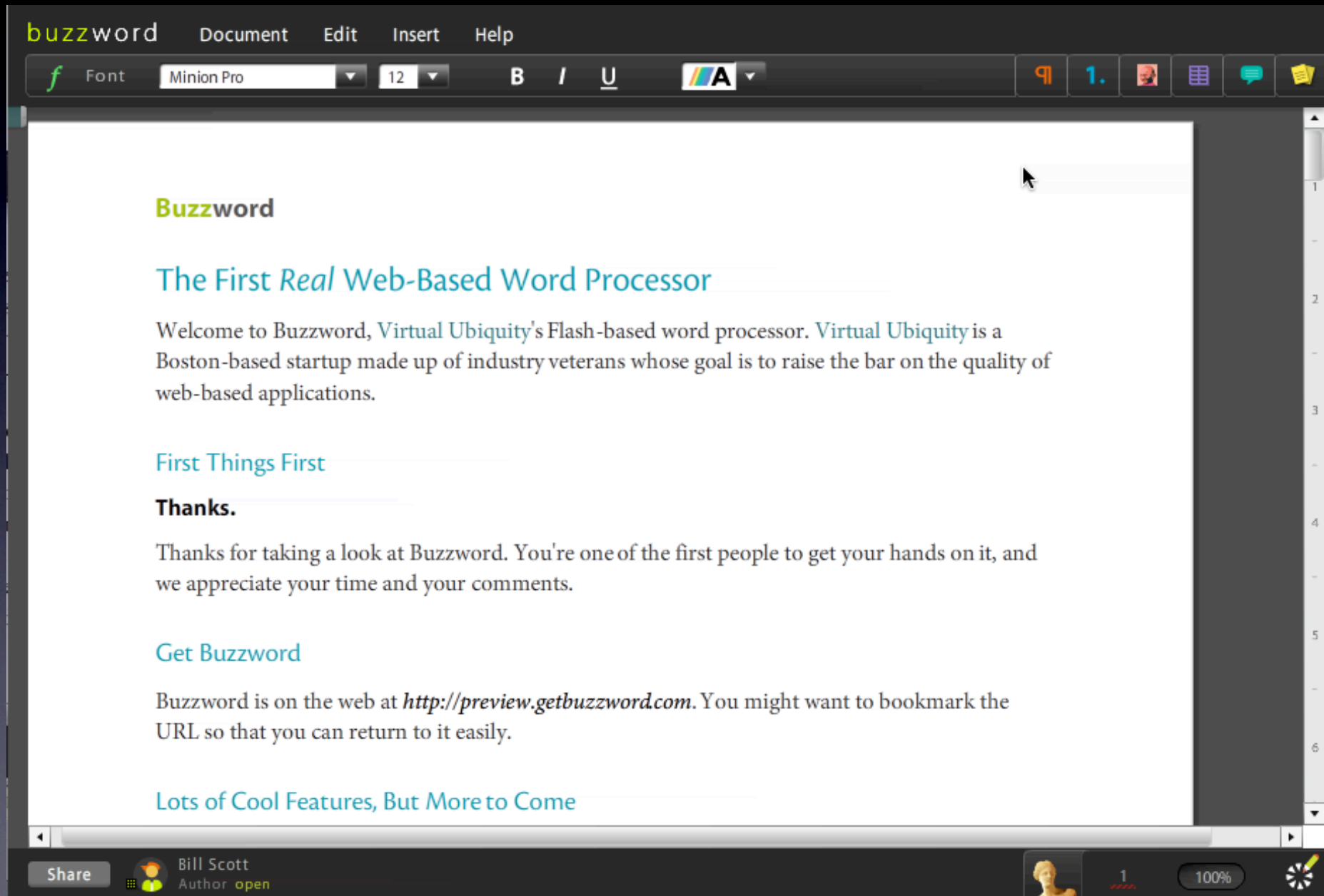
*animated menus... so 90's*





# anti-pattern. animation gone wild

*too many things animating on hover*



# 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 -- tab-o-sel?*  
*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

*the stalker pattern. can also see an example from Netflix community.*

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 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

**2 Sunnyvale Storm Drain Repairs** ★★★★★ 6.22 mi  
(408) 730-7510  
221 Commercial St, Sunnyvale, CA  
Get Directions

**3 C & K Drain Plumbing Repair** ★★★★★ Merchant verified 5.10 mi  
(408) 483-1044  
3560 Flora Vista Ave # 204, Santa Clara, CA  
Get Directions

**4 Alum Rock Hardware** ★★★★★ (2) 2.49 mi  
(408) 258-6084  
2243 Alum Rock Ave, San Jose, CA  
Get Directions  
www.acehardware.com/

**5 YOUR PLUMBING SPECIALIST** ★★★★★  
(408) 832-1445

**Zoom in and search the map**

Map showing San Jose, CA area with various locations marked.

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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 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

no feedback during interaction... less "learnable"

**ROGERS' CHOCOLATES****MY ROGERS'****WELCOME BILL SCOTT****LOGOUT**

[Shop Online](#)[My Rogers'](#)[Resources](#)[Locations](#)[About Us](#)[Help](#)[Press Room](#)

**1 item** is in your cart [VIEW CART](#) [CHECKOUT](#)

**Flavours**

- Standard Assortment
- Blueberry
- Candy Cane
- Caramel
- Cherry
- Chocolate
- Chocolate Nut
- Chocolate Swirl
- Coconut
- Coffee
- Cranberry
- Dk Choc Almond Brittle
- Eggnog
- Empress Square
- Ginger
- Lemon
- Maple
- Maple Nut
- Marzipan
- Mk Choc Almond Brittle
- Orange
- Peach
- Peppermint
- **Pumpkin**
- Raspberry
- Rum
- Strawberry
- Vanilla

**Box Name**  [DONE](#)

If you are satisfied with the selected assortment, click Done.


To change a flavour in this assortment:

**Step 1** - click on a chocolate below to remove it from the box.

**Step 2** - click on a flavour from the left to add to the box.

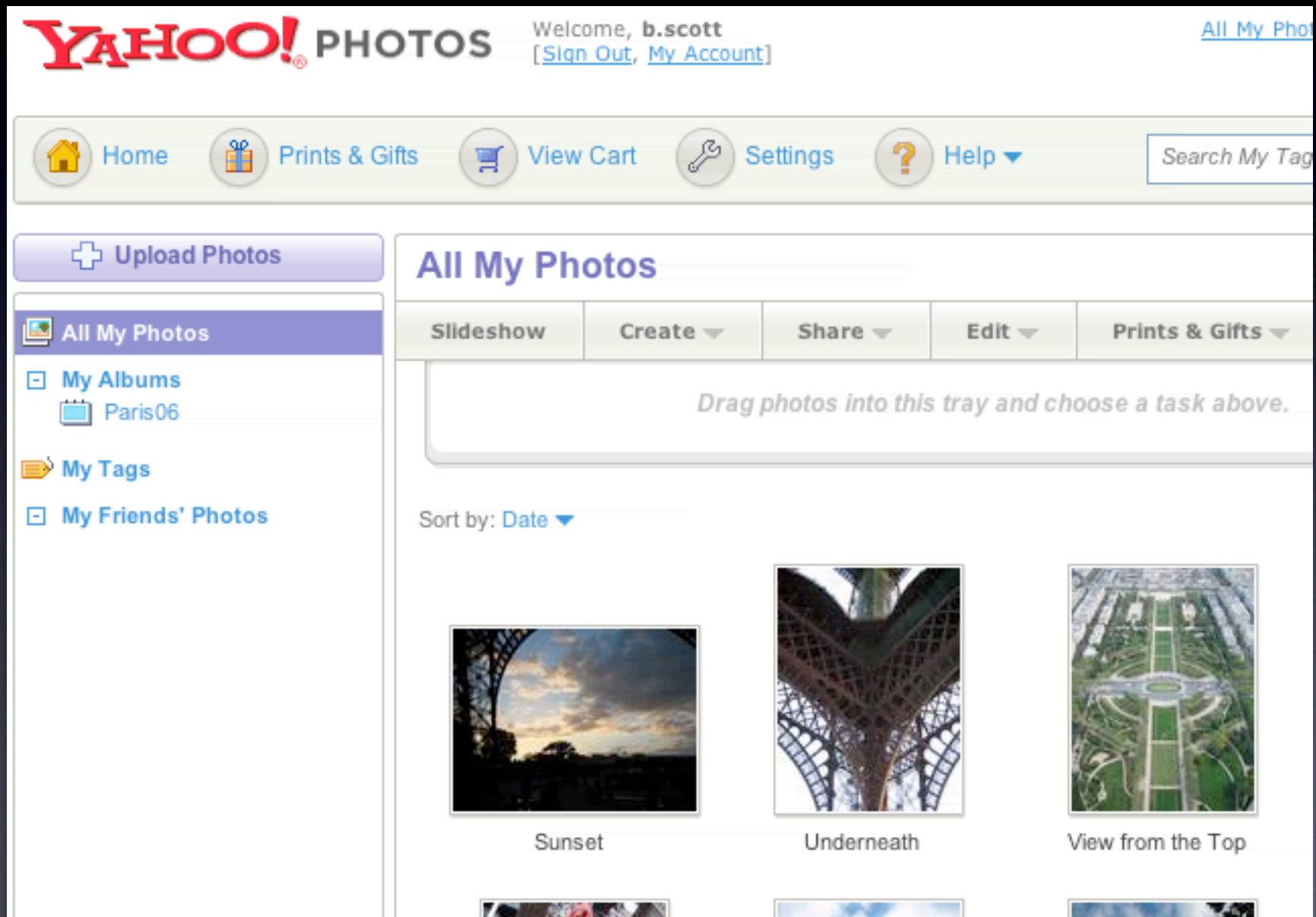
**Step 3** - when the box is full, please give it a name (e.g. "Chocolates for Mom") and click Done. The name you enter here will appear on your confirmation.

Caramel Cream (x2), Chocolate (x1), Coffee (x1), Dk Choc Almond Brittle (x1), Empress Square (x2), Lemon (x1), Vanilla (x1), Pumpkin (x1)



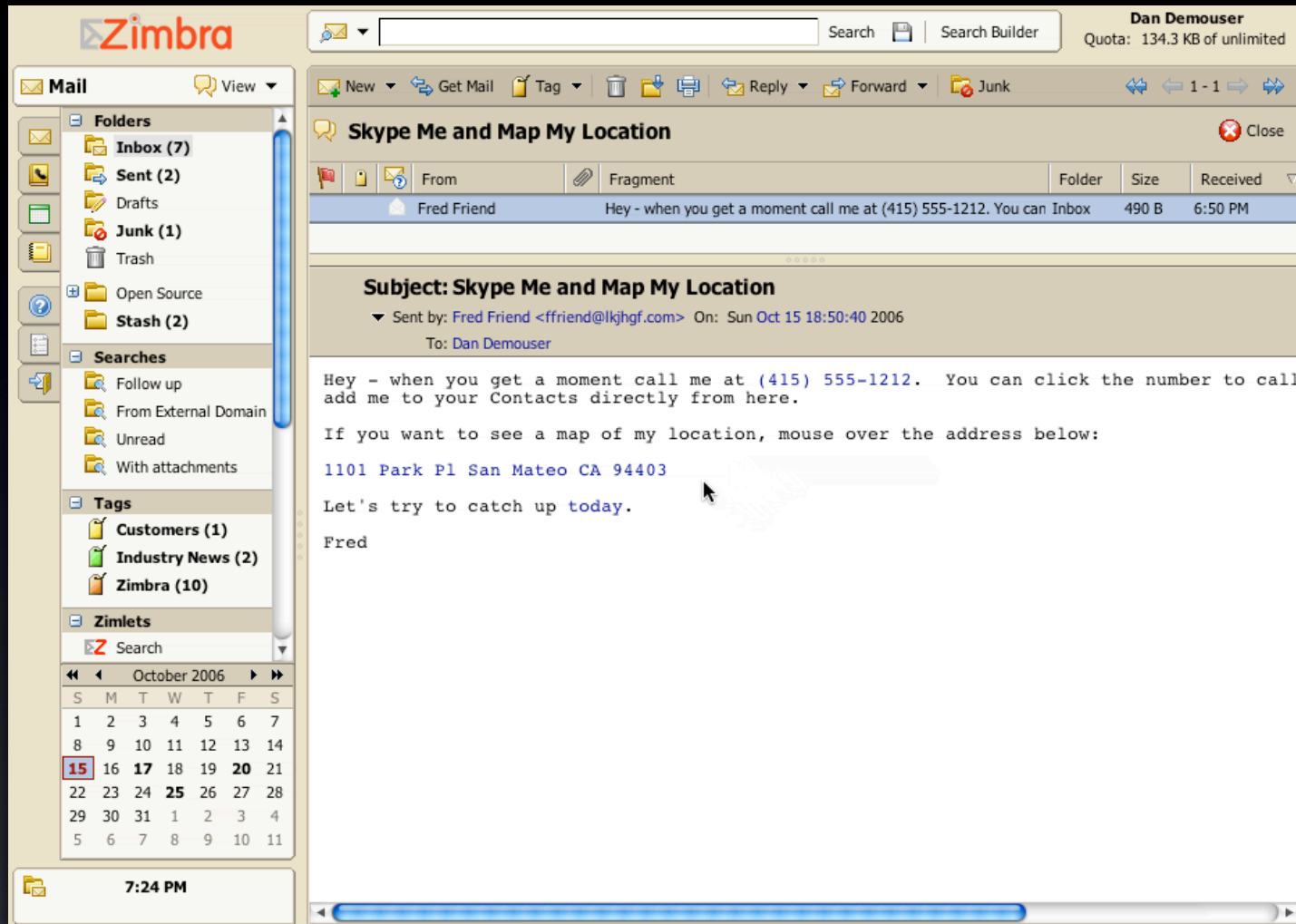
# anti-pattern. missed moments

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





# anti-pattern. missed moments



# anti-pattern. missed moments


*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**

Kilauea

Mauna Loa

Earthquakes

Other  
Volcanoes

Volcanic  
Hazards


Types

• Lava  
Zones

About HVO

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... ”

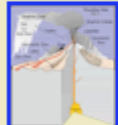
gobble this web page

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 multiple 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

[Add Item](#)



[Make a new list](#) [Reorder lists](#)

[Remove from sidebar](#), [Delete this page](#), [Email me this page](#)

✉ Send email to this page: [miles12betty@billwscott.backpackit.co](mailto:miles12betty@billwscott.backpackit.co)

[Changes](#) [Help](#) [Text Formatting](#) [Weblog](#) [Forum](#) [Privacy](#)

### 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](mailto: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*




**my FUTON CRITIC**  
the web's best television resource

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

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 **SHOWWATCH**

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

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](http://looksgoodworkswell.com)

this prez. [billwscott.com/share/presentations/2007/wb2.0/](http://billwscott.com/share/presentations/2007/wb2.0/)

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