# Designing for Interesting Moments

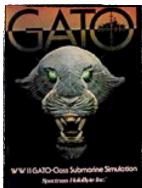
#### Bill Scott

Director, UI Engineering Netflix

Web App Masters Tour - San Diego - March 24, 2010

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#### Me











#### Simple Interaction?

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#### Simple Interaction? Events...

Page load. Mouse hover. Mouse down. Drag initiated. Drag leaves original location. Drag re-enters original location. Drag re-enters original location. Drag enters valid target. Drag exits valid target. Drag enters specific invalid target. Drag is over no specific target. Drag hovers over valid target. Drag hovers over invalid target. Drop accepted. Drop rejected. Drop on parent container.

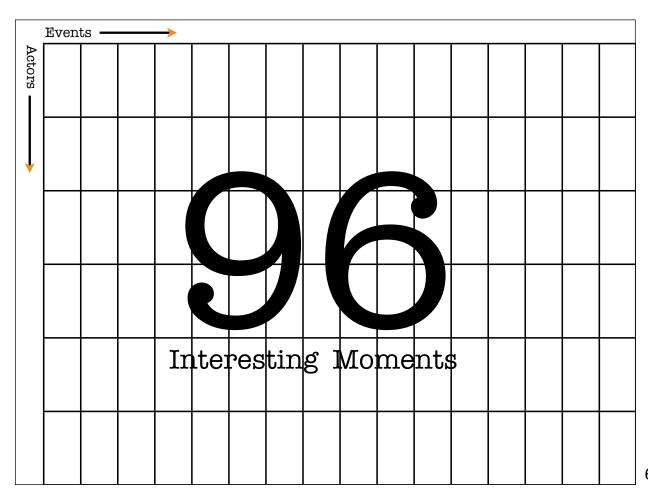
16+

Simple Interaction? Actors...

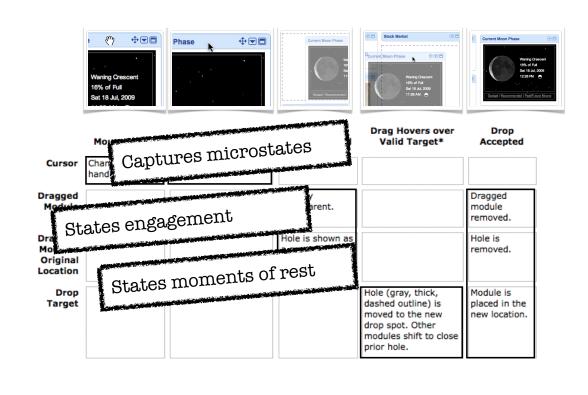
Page. Cursor. Tool Tip. Drag Object. Drag Object's Parent Container. Drop Target.

6+

5



## **Interesting Moments**

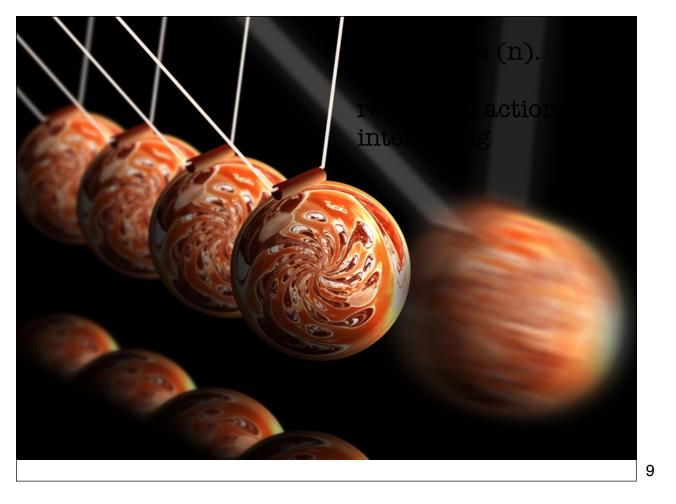


7



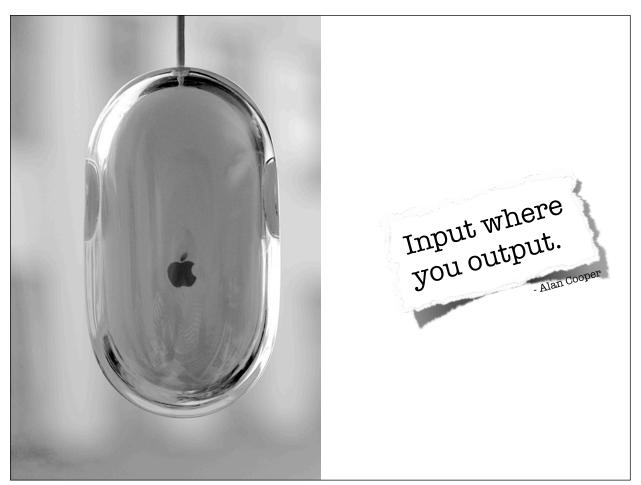
interesting moments. opportunities for engaging with the user throughout an interaction.

microstates.



# 6 principles

for designing interesting moments



#### In Page Editing



inline editing. fickr.com

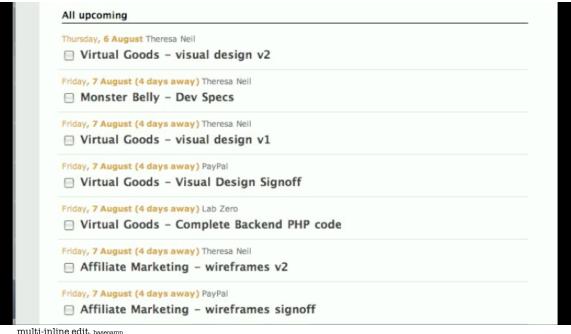
#### Additions:

- Yellow spotlight/invitation
- Tooltip invitation
- Explicit Save/Cancel buttons



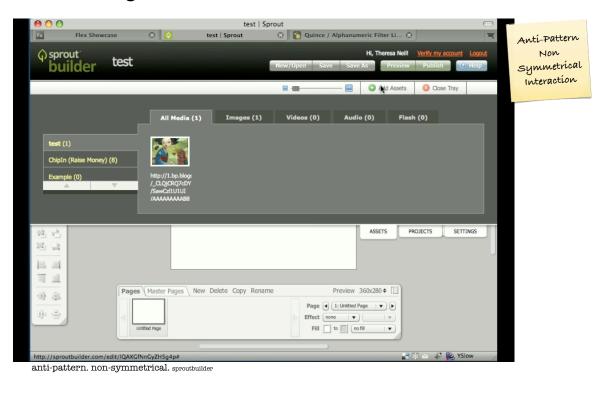
13

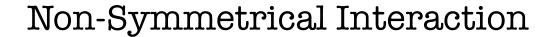
#### In Page Editing



multi-inline edit. basecamp

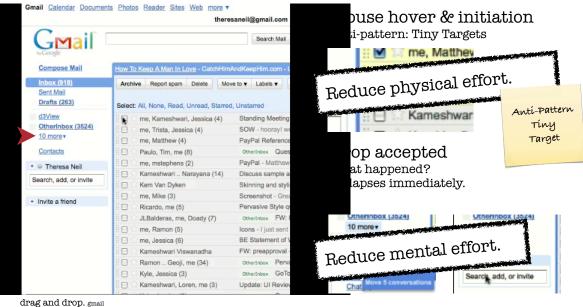
#### Non-Symmetrical Interaction







#### Drag, Open & Drop



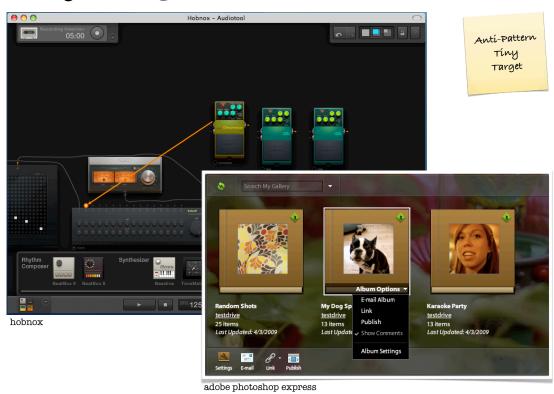
#### Drag & Drop = Usability?

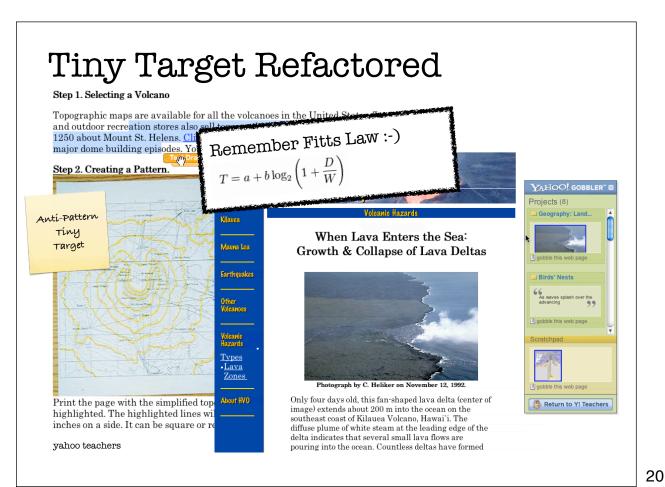




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#### Tiny Target





#### Novel Notion



Anti-Pattern Novel Notion





## Lightweight Actions

sorting by: [ newest | oldest | most digs | least digs ]

#### IBM, AMD, Sony boost chip speeds by 24%

"IBM and AMD have found a way to improve transistor performance by up to 24% without increasing the power draw - using a tweaked implementation of Big Blue's 'strained silicon' process."

[ dig this story | comment | by: anonymous ]

original digg site. digg.com 1.0



#### Lightweight Actions

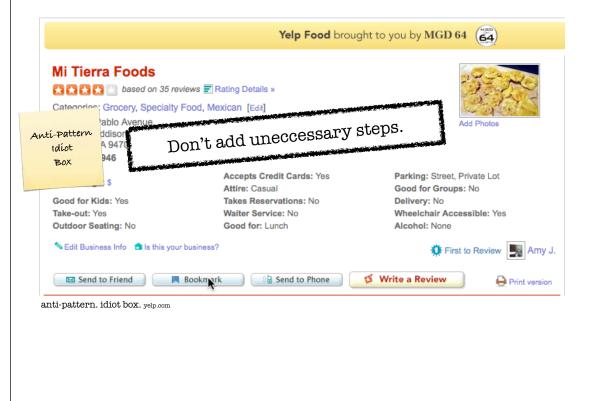
Be mindful of the "click weight."

- # of interaction steps
- Decision time
- Seek time
- Second guessing
- Wait time

http://genesisconduit.wordpress.com/2008/07/13/click-weight/ http://www.amazon.com/Designing-Both-Sides-Screen-Collaborate/dp/0672321513

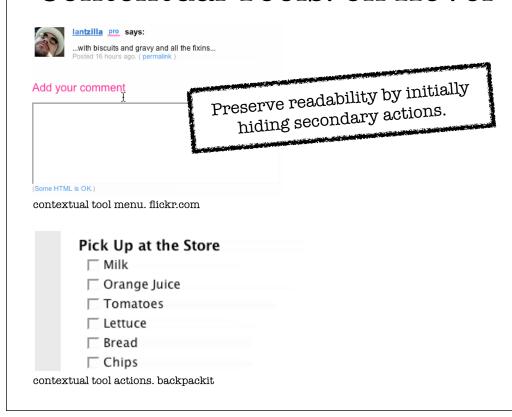
Lightweight Actions in-page action. digg.com rating an object. y!news, netflix 282 Fixing the Mighty Mouse RECOMMEND THIS STORY submitted by <u>usedmac</u> 1 day 1 hour ago (via http://mac: The Apple Mighty Mouse brings a slew of great feat with most new Mac systems it is becoming a commone for close to a year now, I have found that the us Scroll Ball far outweigh its quirks. (a) 60 comments | blog this | email this | category: apple 0 items in my bag Pique polo Always make primary actions visible The Critics: My Grade: Rate this 14 reviews Select grade Yahoo! Users: write a review 13199 ratings remembered collections. gap.com Answer hidden due to its low rating Show Total rating: -16 32 48 🖓 rating an object. y!movies, y!answers

#### Lightweight Actions

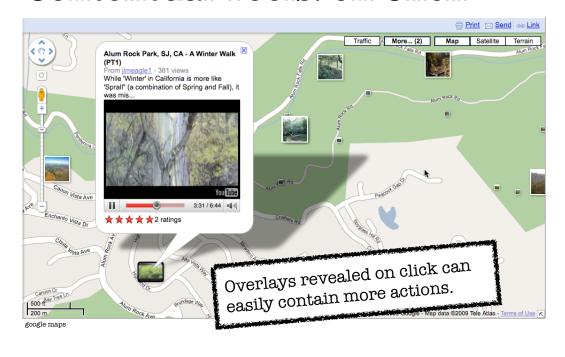


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#### Contextual Tools: on Hover

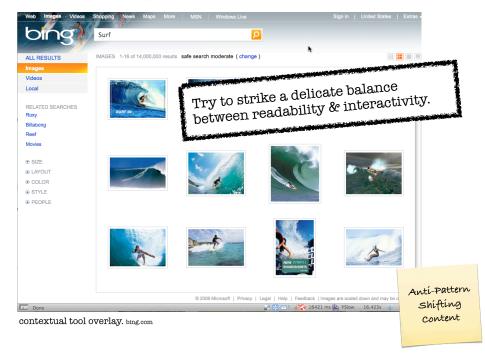


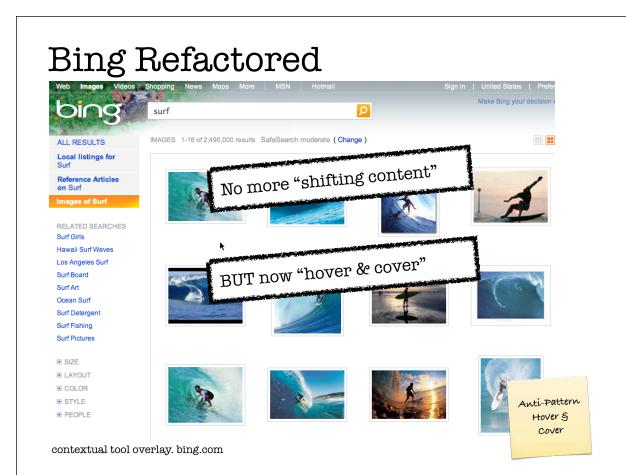
#### Contextual Tools: on Click

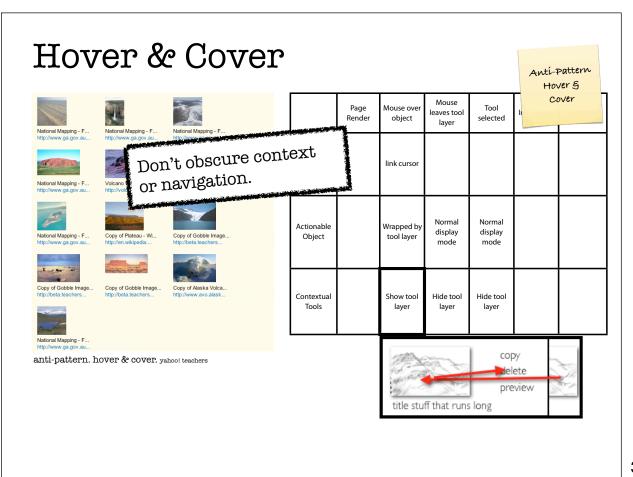


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## Shifting Content







#### Hover & Cover Refactored



hover & cover resolved. y! teachers

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## Hover & Cover (and more)



barnes and nobles

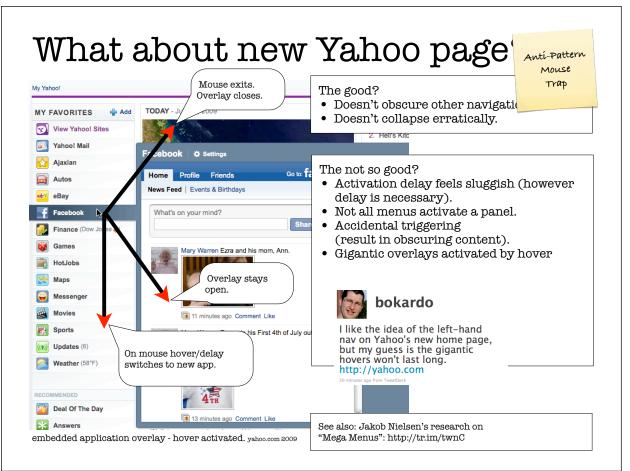
Anti-Pattern Hover § cover

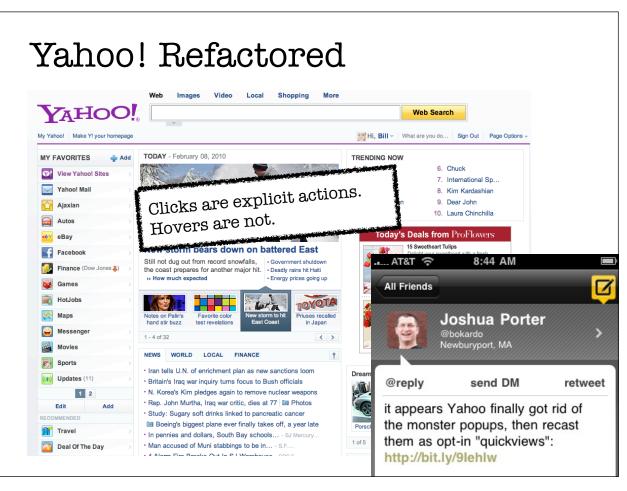
Anti-Pattern Needless Fanfare

Anti-Pattern Mouse Trap

Anti-Pattern Tiny Target

Anti-Pattern Novel Notion











## atorium Exhibit

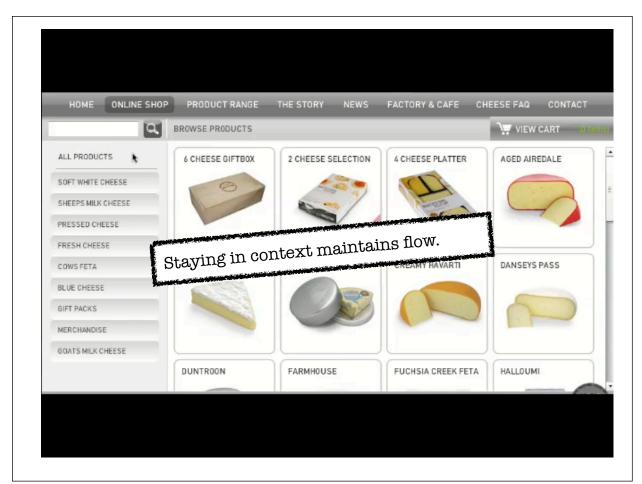
## Spot the differences

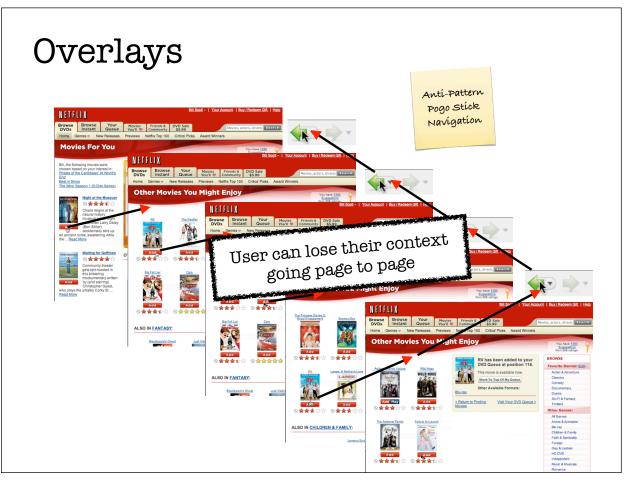


39

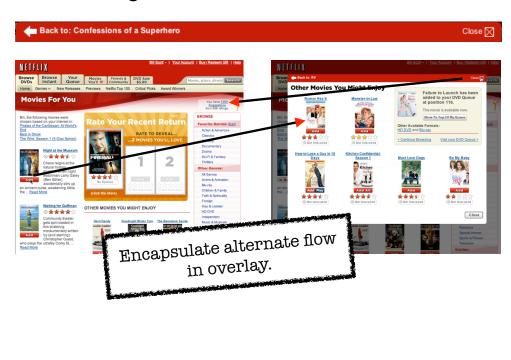
## Now try again...



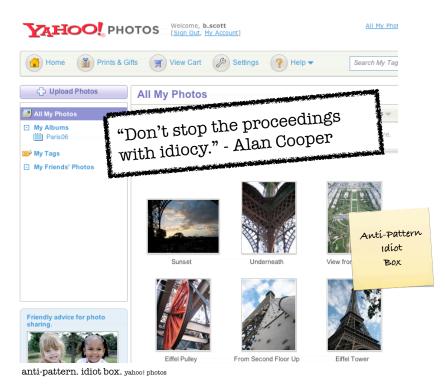




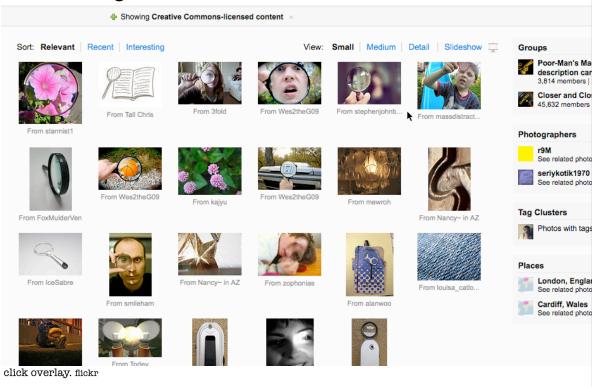
#### Overlays





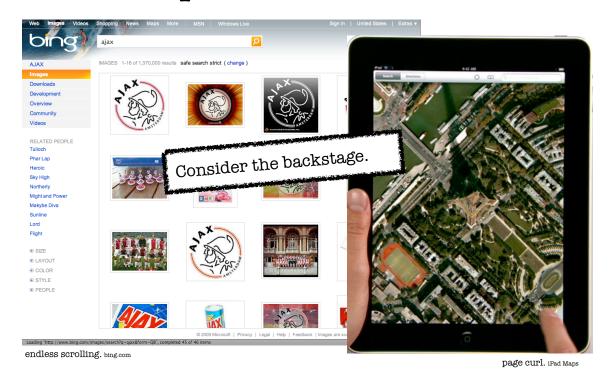


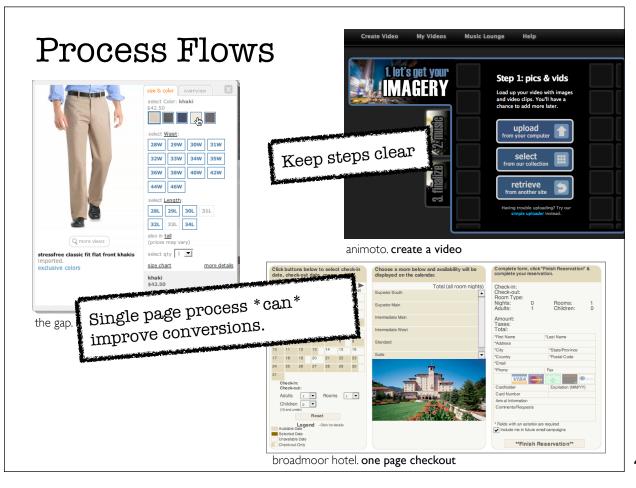
#### Overlays

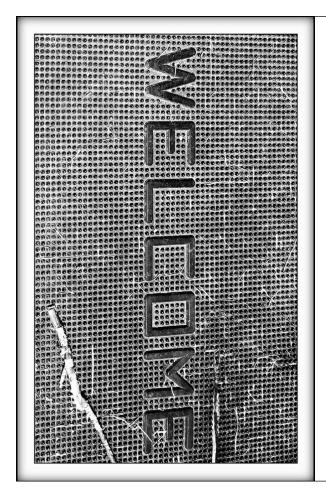




## Virtual Space









#### **DUSTIN CURTIS**





O PREV NEXT O

Hello average person,

## You should follow me on Twitter.

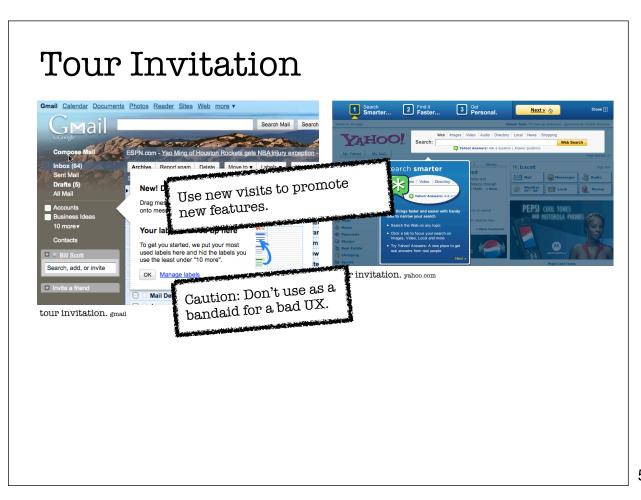
A quick study exploring the power language has on clickthrough rates.



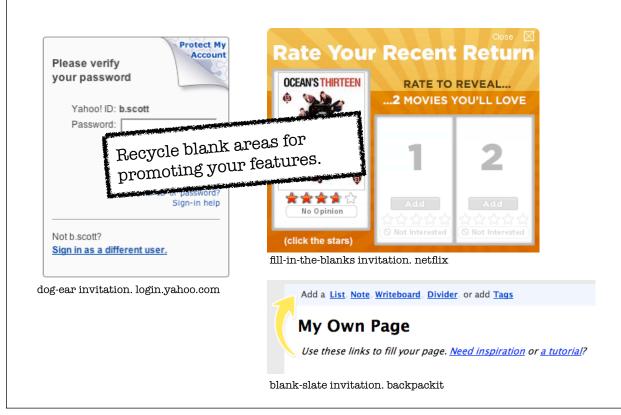
I spend a lot of time thinking about how to improve user experiences. Sometimes, I take my ideas and create experiments to get hard data about how users behave in the real world.

During the past few months, I have been performing an experiment on this site.





#### Blank Slate Invitation

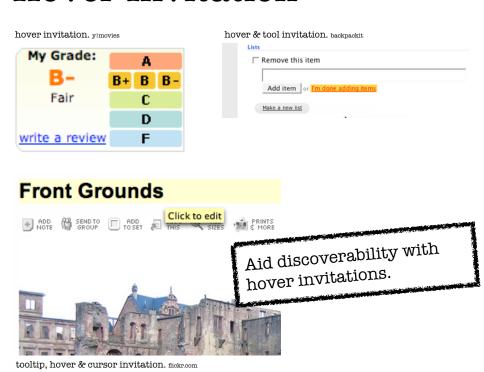


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#### Prompt Invitation



#### Hover Invitation

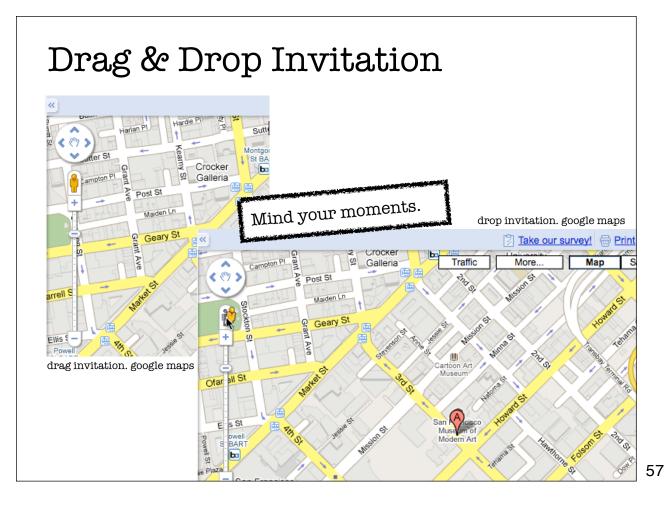


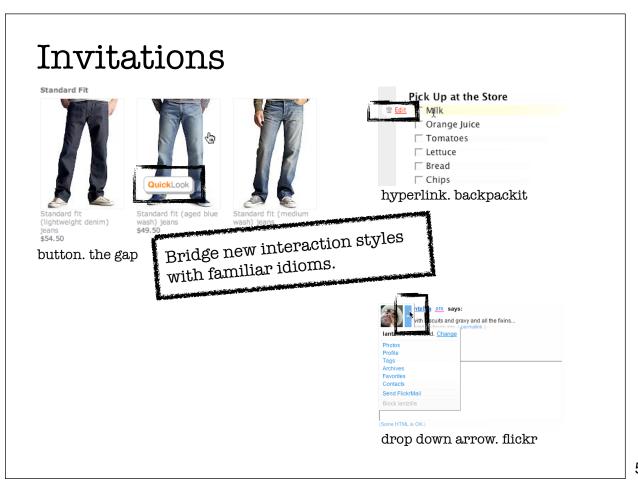
55

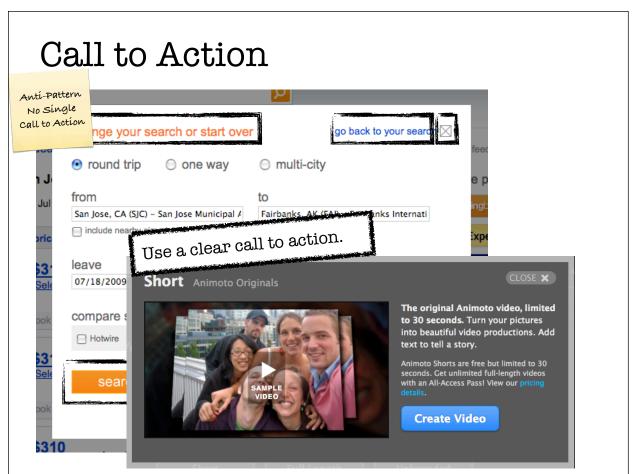
#### Drag & Drop Moments



meebo bar

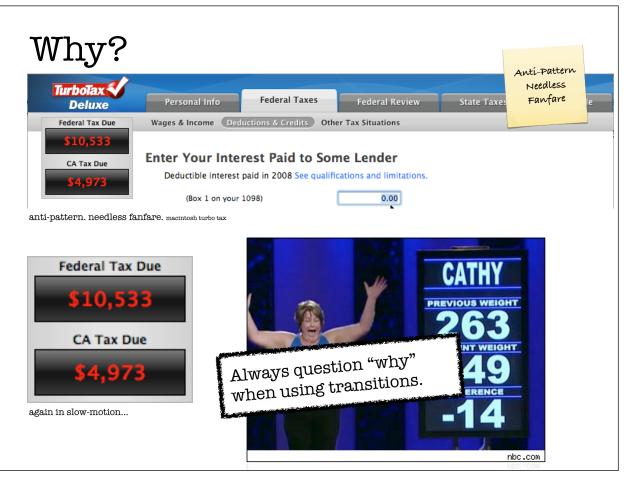




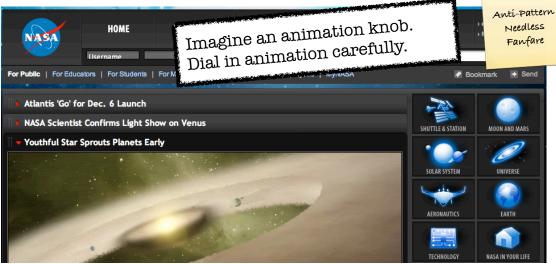








#### Imagine - No Animation



anti-pattern. needless fanfare. nasa.gov







anti-pattern. needless fanfare. roost.com



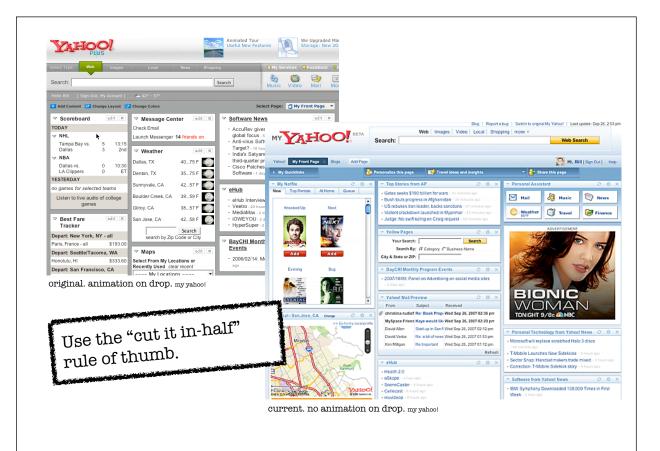
anti-pattern. needless fanfare. pbs.org

#### Animation Can Be Overdone

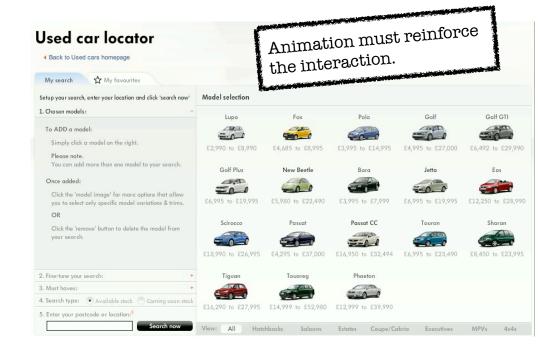


anti-pattern. animation gone wild. behr paint

Designing Visual Interfaces. Kevin Mullet & Darrell Sano



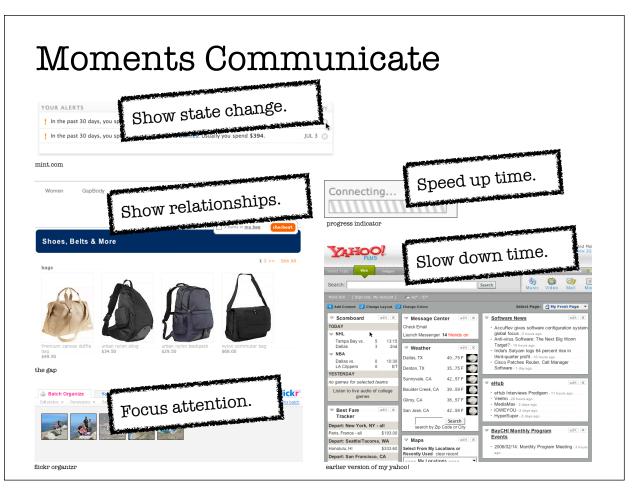
#### Animation Can Be Good



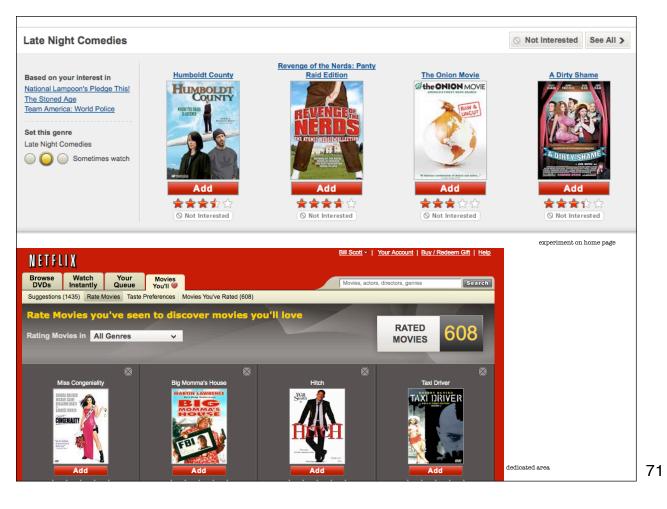
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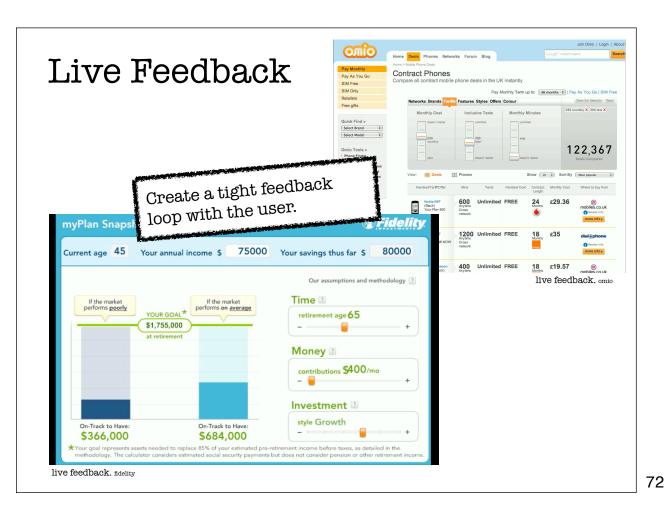
#### Animation Can Be Really Good









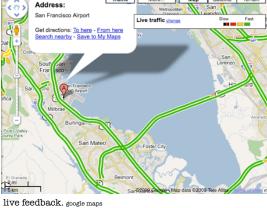


#### Live Feedback

Create a tight feedback loop with the user.







live feedback. wundrbar







live suggest. google (early version)

monterrey mexico

monterrey nl mexico

tecnologico de monter

monterrey nuevo leon

live suggest. early yahoo search experiment



Narrow toward a goal rather

than distract from it.

live suggest. yahoo search

See your message here...



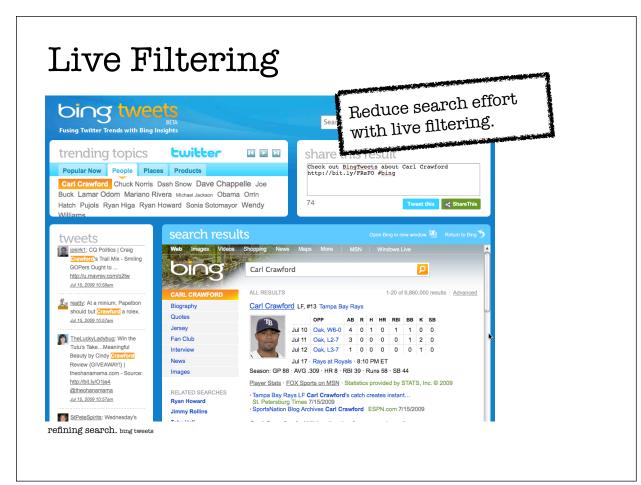
Monterey Vacations with Travelocity www.travelocity.com Get access to special Monterey rates when you book your News Results for monterrey
FC Dallas traveling roster to Monterrey - OurSports Central - Jul 24 6:16 PM
Yahoel Shortcut - About

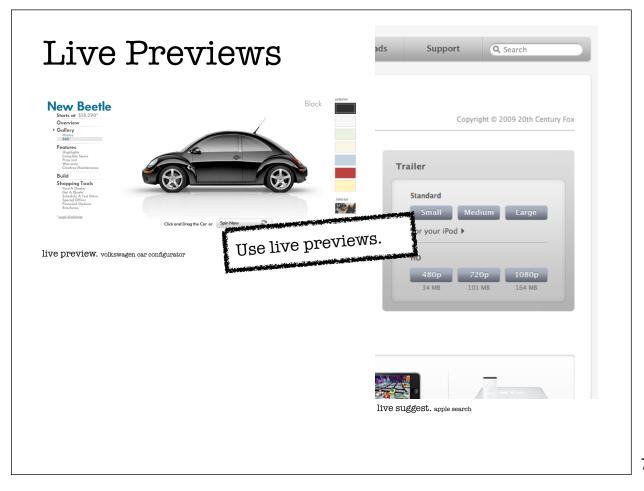
Yahool's: Seeing bad search results or ads for this query? Report them. Bucket

All About Monterrey 
City guide includes information about hotels, restaurants, nightilfe, entertatianment, maps, and more. ... Monterrey is a unique city which is often called the richest city in México. Monterrey is also a powerhouse in the business ... Monterrey - Wikipedia, the free encyclopedia

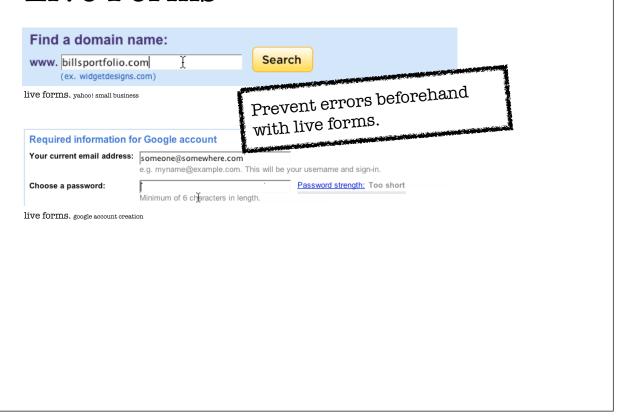
Monterrey is the capital city of the northeastern Mexican state of Nuevo León and

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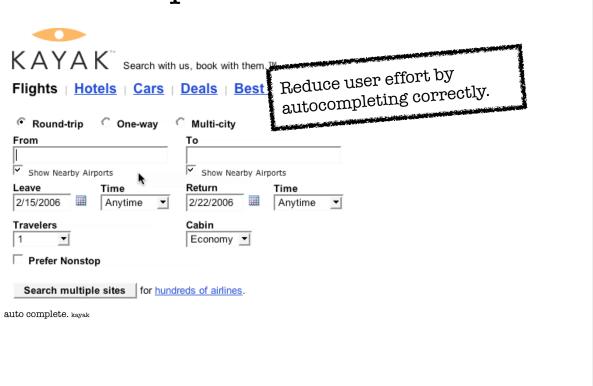




#### Live Forms

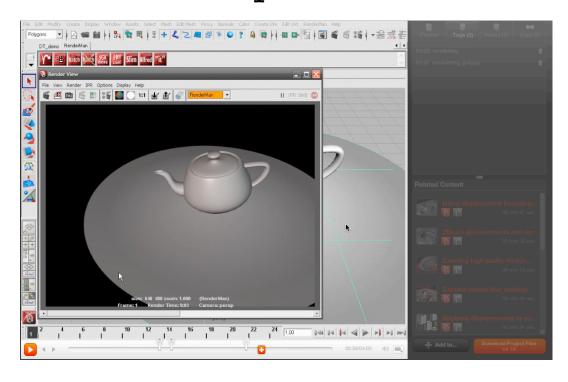


## **Auto Complete**



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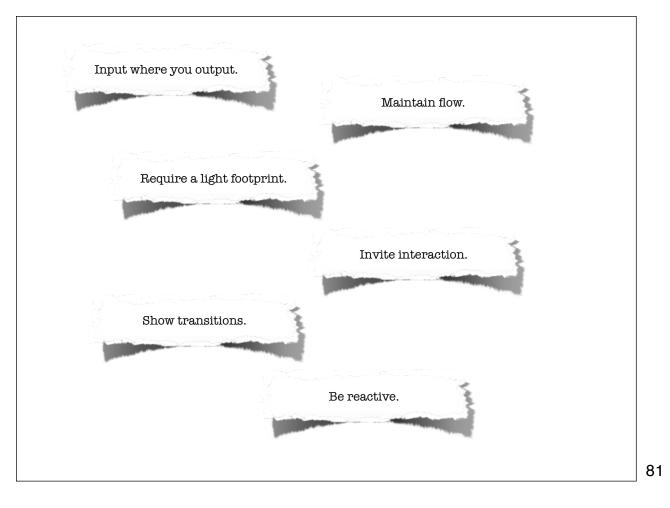
#### React in Mutiple Dimensions



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#### React in Mutiple Dimensions





## Putting it All Together



Delete Messages. iPad Mail

#### Resources

"About Face 3: The Essentials of Interaction Design" Alan Cooper, Robert Reimann, David Cronin 2007

"Designing Web Interfaces: Principles and Patterns for Rich Interactions" Bill Scott and Theresa Neil, O'Reilly Press 2009

"Designing Interfaces: Patterns for Effective Interface Design" Jenifer Tidwell, O'Reilly Press 2006

"The Design of Everyday Things" Donald Norman 2002

"The Designers Guide to Web Applications, Part 1" Hagan Rivers, Two Rivers Consulting

"Web Form Design: Filling in the Blank" Luke Wroblewski, Rosenfeld Media 2008

Designing For Flex by Rob Adams <a href="http://www.adobe.com/devnet/flex/articles/fig">http://www.adobe.com/devnet/flex/articles/fig</a> ptl.html

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#### Flickr Credits

http://tr.im/t6Ew

#### Presentation

billwscott.com/share/ presentations/2010/ wamsd

#### Blog

looksgoodworkswell.com

#### Web username

billwscott



#### Book

designingwebinterfaces.com O'Reilly