Designing for Ajax

Principles and Patterns for Designing Rich Internet Applications

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Background

- Games, research, science, military, biz
- Apps, frameworks, widget sets
- Developer, designer
- Object-oriented background
- Software architect, user experience manager
- Current: Yahoo! Ajax Evangelist
- http://looksgoodworkswell.com
Ajax @ Yahoo
Welcome
Welcome to the Yahoo! Design Library with the design and hope to be a monthly release have build the patterns in Code Library. We hope this

What's a Pattern?
A pattern describes an optimal
Recent Patterns

Ratings and Reviews
Problem Summary
User wants to leave an opinion or eval
Quick opinions can be captured using

Solution Patterns
Architecture of a Review
A product or website needs to present ratings and
reviews with a variety of informational elements.

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

EXAMPLE:
Restaurant

Use When
- A user wants to leave an opinion quickly.
- Use in combination with reviews for richer experience.
- Use to quickly tap into the existing "community" of a product.
- Ratings are collected together to present an average rating of an object from the collective user set.

Solution
- Show clickable items (most often used are stars) that light up on rollover to infer clickability.
Yahoo! Design Pattern Library Released
February 13, 2006 on 7:54 am by Bill Scott | In Design |

I’m excited to announce that today we are releasing the Yahoo! Design Pattern Library to the public under a friendly Creative Commons License. The goal in releasing this library is for us to share the common patterns that we see emerging at Yahoo! It is hoped that by opening up our design patterns we can share our current thinking as well as solicit your valuable feedback.

We believe design patterns are powerful. First, they offer a solution in context of a problem. Second, they provide a name for the solution. Taken together as a set, pattern libraries form a solution language that can enhance our ability to communicate design ideas. Lastly, they provide us a context in which to discuss a number of associated issues: the thinking behind a solution; issues around accessibility; and degradeability; other related patterns; examples of usage; and code samples to name a few.

In case patterns are a new concept to you, here’s a little history to get you up to speed.

Background on Patterns
Welcome, billwaynescott

We are excited about the launch of our Yahoo! Design Patterns Library (http://developer.yahoo.com/patterns/index.php). While our internal patterns site is...

Re: Welcome!

Great work! I hope to see more soon :) One navigation suggestion: I have some kind of linear navigation within the details so I can go to the next design...

Re: Welcome!

Great work, I just scanned through the two libraries and have to say: You guys rock :) Thanks...
Yahoo! UI Library

- Normalization (Event Utility)
- Messaging (Connection Manager for AJAX)
- Direct Representation (Animation and Position)
- Direct Manipulation (Drag and Drop)
- Rich Interactive Widgets (Slider, TreeView, Calendar, AutoComplete)
Designing for Ajax

• **Richness**
  What is richness?

• **Ajax Patterns**
  DNA of an Ajax Pattern

• **Principles**
  Principles for Ajax Design
Richness
Defining Richness: Web in 3D

• Interaction Dimension

• Data Dimension

• Presentation Dimension
Classic Web

- Interaction course-grained
- Data loaded with the page or obtained via refresh
- Presentation: page-based updates
Classic Web Illustrated

Interaction → Data → Presentation

event → response

Just-in-time data

Just-in-time presentation

Just-in-time logic
Ajax Model - New & Improved!

• Now with Deeper Interaction!

• Now with Just-in-Time Data & Just-in-Time Logic!

★ XMLHttpRequest (XHR) is the secret sauce!

• Now with Richer Interface!

• All dimensions are closer
Ajax Illustrated

Designing for Ajax
AJAX vs Ajax

• AJAX = Asynchronous JavaScript and XML
  • Strict definition is using XMLHttpRequest (XHR) to retrieve XML within a web page
• Ajax = The set of technologies that allow web applications to provide rich interaction, just-in-time information and dynamic interfaces without required page refresh

• The Secret Sauce
  • Ajax = XHR + DHTML (HTML, CSS, JavaScript) + Rich design
Other Remote Scripting Techniques

- Hidden IFrame
- `<img> src`
- `<script> src` hack
- CSS `href` hack
- JS to faceless Java applets
- JS to faceless Flash
- NO CONTENT Response
- Cookies
Ajax Patterns
But What Can XHR Do?

- Make a request
- Return a response
- And do it asynchronously
Anatomy of a Pattern

- Ajax design patterns contain three steps
  - **Trigger** (event or timer)
  - **Operation** (Ajax, remote scripting)
  - **Update** (presentation)
Trigger

- Every pattern starts with
  - a user event
  - a timer event

mouseout hover keypress keydown mousedown
drop filter choices mouseup drag click mousedown select
focus blur resize move timeout
Operation

Ajax patterns open the door to immediacy

- **Lookup** I can get information when I need it
- **Persist** I can save in real-time
- **Validate** I can prevent errors early
- **Invoke** I can make things happen now
- **Message** I can communicate instantly
I can get information when I need it

I can save in real-time

Update

- Finally, patterns reflect a visual change

Pattern-O-Matic

Trigger + Operation + Update = Ajax Pattern
Principles
Principles for Ajax Design

1. Keep it direct
2. Provide live feedback
3. Offer an invitation
4. Cross borders reluctantly
5. Leave a light footprint
6. Show transitions
7. Think in objects
submit hyperlink

mouseout hover keypress keydown mousedown
drop filter choices mouseup drag click select focus
blur resize move timeout
1

Keep it Direct

Allow…input…wherever…you…output.

—Alan…Cooper
Rocky Waters

Designing for Ajax

Pattern. In Page Editing

Test Page

Notes

First Note (modified) Posted 30 Nov
This is just a note that I added. And some more text was added.
Designing for Ajax
Pattern. **Resizable Content.**

- David Hahn - The kid who built a nuclear reactor in his shed
- Good Article for PHP lovers
- BestBuy using illegal software
- Serenity HD DVD coming out next week, April 18th
- Top 10 US cities best prepared for an oil crisis
- Sun Upgrades Servers With Faster Opteron
- Dell's Quest for Cool - Will Alienware make the tech world's durnards hip?
- Watch Your Data Inflate the Flashbag

**Getting Started**

- Add or invite a friend to Gtalkr
- Change your profile image
- Frequently asked questions
- Gtalkr Blog

**TechCrunch**
Prefer interaction within the page
What about discoverability?

State park near our home in San Jose

5 photos | Add a comment?

Photos are from
22 Oct 05.
Prefer interaction within the page
What about discoverability?

Use direct editing on page content
What about save/cancel?
Avoid page jitter
Reduce the feeling of modes
Prefer interaction within the page
What about discoverability?

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.com

Provide in-context tools
Only good for single operations
Can actually slow you down

Use direct editing on page content
What about save/cancel?
Avoid page jitter
Reduce the feeling of modes

Keep it direct
Prefer interaction within the page

What about discoverability?

- What is spam?
- Can I transfer my message credits?
- How do I delete my HandyPay account?
- What if I didn’t receive my full message package?
- I need to contact customer care regarding the Compose Text Message service.

Use direct editing on page content

What about save/cancel?
Avoid page jitter
Reduce the feeling of modes

Provide in-context tools

Only good for single operations
Can actually slow you down

Use drag and drop where appropriate

Not for simply setting an attribute
Good for layout changes or containment
Needs transitions
Designing for Ajax

Shift. Immediacy.

Page

Interaction

Data

Presentation

refresh boundary

Data

Interaction

Data

Presentation
Provide live feedback

-Jesse James Garrett
**Designing for Ajax**

Pattern. Live Search, Live Suggest

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**Instant Search**

Search the Web

Instant Search gives you answers as you type -- no more waiting!

*Why feel lucky when you can be right? With Instant Search, results instantly appear for Yahoo! Shortcuts and common searches. Give it a spin! Type in these examples below, or try your own searches:*

- boston weather
- wikipedia
- nfl
- 22 5th ave new york ny
- san francisco coffee shops
- dmv

---

**ZUGGEST - an XMLHttpRequest Experiment using Amazon**

This is my take on Google Suggest only with Amazon so I’ve called it “Amazon Zuggest”. It lets you search Amazon (the US products only for now) as you type. You don’t have to press Submit or Enter, just type.

If you’d like to know the IPv4 address or have a comment, you can email me at WebFeedback at tiny.com. Enjoy.

**KEYWORDS**

Books

Just type, results will come every couple of seconds or so. Remember you can mouse over the history on the left to bring it back up.

Waiting until you’re done.

---

**Web Services Testing**

Ajax: Monitor and monitor services - Free Trial

**Ajax and Web Services**

*Ajax in Action* (book)
- Liz Price: $28.87
- 8 NEW from $23.04 ($22.12 used)

*Agile Web Development with Rails (The Felts of Ruby Series)* (book)
- Liz Price: $43.08
- 29 NEW from $32.18 ($27.74 used)

*Foundations of Ajax (Foundation)* (book)
- Liz Price: $26.59
- 8 NEW from $20.39 ($18.37 used)

*HTML 'Utopia Modern Web Design using JavaScript & DOM* (book)
- Liz Price: $53.66
- 16 NEW from $48.32 ($42.25 used)

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**Ask Your Question**

1. Enter your question
   You can ask 5 more questions today.

2. Add details (optional)
   No spam, please! When in doubt, please refer to our community guidelines.

3. Categorize the question
   Arts & Humanities >>
   Auto & Transportation >>
Designing for Ajax

Pattern. **Auto Complete**

**KAYAK**™ Search with us, book with them.

**Flights** | **Hotels** | **Cars** | **Deals** | **Best Fare Buzz**

- **Round-trip**
- **One-way**
- **Multi-city**

**From**
- **Show Nearby Airports**

**To**
- **Show Nearby Airports**

**Leave**
- 2/15/2006
- **Time**
- **Anytime**

**Return**
- 2/22/2006
- **Time**
- **Anytime**

**Travelers**
- 1

**Cabin**
- **Economy**

- **Prefer Nonstop**

**Search multiple sites** for **hundreds of airlines**.

**Find Athletes and Countries**

<table>
<thead>
<tr>
<th>Medal Count</th>
<th>TOTAL</th>
</tr>
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<tbody>
<tr>
<td>GERMANY</td>
<td>11 12 6 29</td>
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<tr>
<td>UNITED STATES</td>
<td>9 9 7 25</td>
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<tr>
<td>CANADA</td>
<td>7 10 7 24</td>
</tr>
<tr>
<td>AUSTRIA</td>
<td>9 7 7 23</td>
</tr>
<tr>
<td>RUSSIA</td>
<td>8 6 8 22</td>
</tr>
</tbody>
</table>

» **Full Medal Count** [MY YAHOO! RSS]

**Show BCC**

**Cc:**

**Subject:**

**Times New Roman**

Plain Text
<table>
<thead>
<tr>
<th>Airports</th>
<th>Price</th>
<th>Airlines</th>
<th>Depart</th>
<th>Arrive</th>
<th>Stops (Duration)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SJC &gt; LAS</td>
<td>$189</td>
<td>American Airlines</td>
<td>12:57p</td>
<td>2:21p</td>
<td>0 (1h 24m)</td>
</tr>
<tr>
<td>LAS &gt; SJC</td>
<td></td>
<td></td>
<td>10:00a</td>
<td>11:25a</td>
<td></td>
</tr>
<tr>
<td>OAK &gt; LAS</td>
<td>$192</td>
<td></td>
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<td>LAS &gt; OAK</td>
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<td>LAS &gt; OAK</td>
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</table>

**Designing for Ajax**

Refining Search

San Jose, CA to Las Vegas, NV  Wed 15 Feb 2006 – Wed 22 Feb 2006 / round-

Find Hotels or Cars for this trip

<table>
<thead>
<tr>
<th>Price</th>
<th>Airports</th>
<th>Airlines</th>
<th>Depart</th>
<th>Arrive</th>
<th>Stops (Duration)</th>
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</thead>
<tbody>
<tr>
<td>$192</td>
<td>OAK &gt; LAS</td>
<td>American Airlines</td>
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<td>2:21p</td>
<td>(n/a)</td>
</tr>
<tr>
<td>$192</td>
<td>OAK &gt; LAS</td>
<td>JetBlue Airways</td>
<td>12:57p</td>
<td>2:21p</td>
<td>(n/a)</td>
</tr>
<tr>
<td>$192</td>
<td>OAK &gt; LAS</td>
<td>United</td>
<td>12:57p</td>
<td>2:21p</td>
<td>(n/a)</td>
</tr>
</tbody>
</table>

Flight Results

Results 1 - 7 of 7 for San Jose, CA to Las Vegas, NV (02/22 - 03/01)

Sort by: Low price | Departure times | Return times

$192 per person

<table>
<thead>
<tr>
<th>Flight</th>
<th>Price</th>
<th>Departure Times</th>
<th>Airports</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ted</td>
<td>$194</td>
<td>10:19p-11:43p</td>
<td>Oakland - OAK, San Francisco - SFO</td>
</tr>
<tr>
<td></td>
<td></td>
<td>7:17p-8:45p</td>
<td>SFO - LAS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>10:00a-11:25a</td>
<td>SJC - LAS</td>
</tr>
</tbody>
</table>

Sponsor Results

Great Flight + 1 for Las Vegas
Save with add-on hotel to your flight Vegas and save i www.cheapticket

Save with Flig
Las Vegas Vac Packages from Lodging.com
Save more when hotel with your flight Vegas.
www.lodging.com
Designing for Ajax

2 Provide Live Feedback

An overview of visitors during January 2006

5271 visitors came to your blog
That’s 2140 more than an average 10 day period.

10% of those visitors had been to your blog before
That’s 521 visitors, 122 more than an average 10 day period.

Some numbers since you started tracking

Your blog has had 908 web sites have made 1424 links out from

DEPARTURE
- 5am - 9am $187
- 9am - 3pm $166
- 3pm - 9pm $166
- 9pm - 5am $192

RETURN
- 5am - 9am $187

Sort by: Low price | Departure times | Return times

$166 JetBlue (flight details)
- per person
- 1:55p-5:10p
- 1-stop
- OAK-LAS
- 3 return times available at this price
- Book it now - Email - IM
- jetblue.com

Yahoo! Webhosting <wh-professional@yahoo-inc.com> | Wed Feb 1 17:06:45 2006
To: yuiblogger@yahoo.com
Cc: billwscott@gmail.com

Flights to Las Vegas: Sherman’s Travel
Search dozens of sites at once for discount offers on airfare, hotels, cruises, car rental...
www.shermanstravel.com

Las Vegas Vac Packages from lodging.com
Save more when you book your flight & hotel with your flights to vegas.
www.lodging.com
Ask Your Question

1. Enter your question
You can ask 5 more questions today.

You have 110 characters to work with. Add details below.
Designing for Ajax

Pattern: Deferred Content Load

1. Provide Live Feedback

Search Tags Blog Finder Popular About

president bush in All Blogs Search Options

882,052 posts about: president bush Search related blogs

Related tags: Politics, Hurricane Katrina, Iraq, Katrina, Hurricane, Supreme Court.

Recent Posts tagged president bush View Tag »
Top Blogs about president bush View Blogs »

20 posts in the last 44 minutes in All Languages

Weapons-grade Bullshit
to bring down the evil Bush/Cheney/Rumsfeld neo-con cabal, but tragically scoring only collateral... and essentially accused the Vice President of the United States of treason—with absolutely no evidence

Posted 9 minutes ago in protein wisdom 1,004 links Search this blog

The Shocking Case of Ahmed Omar Abu Ali
members into the U.S. by means of Mexico, to commit aircraft piracy, and to kill President Bush

Posted 12 minutes ago in Cassel: Civil Liberties Watch 0 links Search this blog
**Pattern:** **Live Preview, Periodic Refresh**

**Provide Live Feedback**

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**digg spy:** a real-time view of digg

<table>
<thead>
<tr>
<th>What?</th>
<th>Diggs</th>
<th>Story</th>
</tr>
</thead>
</table>
| 🌐️ | +695  | **Nintendo DS download station finder!**
  |       | http://www.nintendo.com/ds/downloadstation/ |
| 🌐️ | +1399 | **How To Build a Game In A Week From Scratch With No.**
  |       | http://www.game-dev.net/reference/articles/article2... |
| 🌐️ | +86   | **David Hahn - The kid who built a nuclear reactor i...**
  |       | http://en.wikipedia.org/wiki/David_Hahn |
| 🌐️ | +201  | **Another Apple Mac mini Dual Core 1.66GHz Review**
  |       | http://reviews.designertechnica.com/review3531.html |
| 🌐️ | +85   | **David Hahn - The kid who built a nuclear reactor i...**
  |       | http://en.wikipedia.org/wiki/David_Hahn |

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**Office 12 Live Preview**
Designing for Ajax

Pattern. Live Preview

Provide Live Feedback

The page displays a product listing for a white polo shirt, allowing the user to select the size and color.

- **Select Size:**
  - XS, S, M, L, XL, XXL, XXXL
  - Also in **tall** (prices may vary)

- **Select Color:**
  - White
  - Buy 2 or more, $25.00 each
  - $29.50, $9.99

- **Quantity:**
  - 1

- **Price:**
  - $29.50

- **Button:**
  - Add to bag

**Pique polo**

Imported.

*Only at gap.com*
Keep the goal in mind
Design for immediacy
Is it narrowing or is it distracting
Use feedback to boost confidence
Let the user iterate where possible

Most Popular

Keep the goal in mind
Design for immediacy
Is it narrowing or is it distracting
Use feedback to boost confidence
Let the user iterate where possible

Just-in-time data

Just-in-time logic
Keep the goal in mind
Design for immediacy
Is it narrowing or is it distracting
Use feedback to boost confidence
Let the user iterate where possible

Keep the user engaged
Time passes faster
Look for engaging moments

Connecting…
Keep the goal in mind
Design for immediacy
Is it narrowing or is it distracting
Use feedback to boost confidence
Let the user iterate where possible

Keep the user engaged
Time passes faster
Look for engaging moments

Find a domain name:
www. billsportfolio.com
(ex. widgetdesigns.com)

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

Use live-previews
Look before you leap
Keep the goal in mind
Design for immediacy
Is it narrowing or is it distracting
Use feedback to boost confidence
Let the user iterate where possible

Keep the user engaged
Time passes faster
Look for engaging moments

Fixing the Mighty Mouse
submitted by userimac 1 day 1 hour ago (via http://mac)
The Apple Mighty Mouse brings a slew of great feats with most new Mac systems. It is becoming a common one for close to a year now, I have found that the Scroll Ball far outweigh its quirks.

Keep feedback focused
Keep it in context
Updating too many areas at once will be confusing
Show dynamically what is relevant
Avoid creating feedback noise/jitter

Use live-previews
Look before you leap
Designing for Ajax

- Hover
- Blur
- Focus
- Click
- Key
- Shift click
- Double click
- Drag
- Drag drop
- Drag flip drop
- Shift double click
- Triple click
- Shift triple click
Offer an invitation
Park near our new home

Lists

- Remove this item

Add item or I'm done adding items

Make a new list

My Grade:

B- Fair

write a review

A
B+
B
B-
C
D
F

Designing for Ajax
Pattern. Invitation. Hover Invitation

classic

Pique polo
$9.99-$29.50
Buy More and Save

double mini striped pique polo
$29.50
Buy 2 or more, $25.00 each
See All

allover striped pique polo
$29.50
Buy 2 or more, $25.00 each
See All

rugby stripe pique polo
$29.50
Buy 2 or more, $25.00 each
See All

![Email client interface with Yahoo! Toolbar and Weekend Extra links.](image-url)
To see a product preview in action, hover over the link below.

Forty Associates recently added product previews to their Web site as part of a small beta program. During the beta, visitors to Associate sites who viewed a product preview clicked through to Amazon.com over 4% of the time; those clicks resulted in a purchase nearly 6% of the time.

Now we're opening the beta up to all Associates to further improve product previews. The first 500 Associates who refer a sale through a product preview-enhanced link will receive a $5 Amazon gift certificate. Click here to join your fellow Associates in beta testing product previews.

Don't worry if you don't already have Basic Display Product Links on your Web site. You can create them as part of the sign-up process. Click here for answers to questions you might have about the beta program.
Pattern. Invitation. Drop Invitation

Students to Enroll

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<td>Craft</td>
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<tr>
<td>432939</td>
<td>Douglas</td>
<td>Elayne</td>
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<tr>
<td>468370</td>
<td>Hill</td>
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Course Calendar

DEC 2005

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<th>S</th>
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</tbody>
</table>
Make it engaging
Use lightweight events as a welcome mat
Rediscover the hover
Make it engaging
Use lightweight events as a welcome mat
Rediscover the hover

Keep actions out of it
Don’t make the user afraid to explore
Don’t proselytize

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

Forty Associates recently added product previews to their Web site as part of a small beta program. During the beta, visitors to Associate sites who viewed a product preview clicked through to Amazon.com over 4% of the time; those clicks resulted in a purchase nearly 6% of the time.

Now we’re opening the beta up to all Associates to further improve product previews. The first 500 Associates who refer a sale through a product preview-enhanced link will receive a $5 Amazon gift certificate. Click here to join your fellow Associates in beta testing product previews.

Don’t worry if you don’t already have Basic Display Product Links on your Web site. You can create them as part of the sign-up process. Click here for answers to questions you might have about the beta program.
Make it engaging
Use lightweight events as a welcome mat
Rediscover the hover

Keep actions out of it
Don’t make the user afraid to explore
Don’t proselytize

Get the actors involved
Hover Invitation
Cursor Invitation
Tooltip Invitation
Make it engaging
Use lightweight events as a welcome mat
Rediscover the hover

Keep actions out of it
Don’t make the user afraid to explore
Don’t proselytize

Get the actors involved
Hover Invitation
Cursor Invitation
Tooltip Invitation

Use invitations to aid discoverability
Two challenges: idiom & feature
Adding signposts, always-on clues doesn’t scale
Add tours, help pedals, tips, spotlights
Designing for Ajax

Shift. In-Page Interaction.

classic flow across pages

rich flow within page
4

Cross borders reluctantly
Rico LiveGrid

Yahoo! Mail Beta (Oddpost)
At the very least make your paging fast
Pattern. **Inline Validation**

- Select Color: **babe pink combo**
- Price: $14.50
- Select Size: XS, S, M, L, XL, XXL
- Quantity: 1
- Price: $14.50

**Warning:** Please select a Size before adding to bag.
Required information for Google account

Your current email address: someone@somewhere.com
E.g. myname@example.com. This will be your username and sign-in.

Choose a password: [Field] [Password strength: Too short]
Minimum of 6 characters in length.

Find a domain name:

www. billsportfolio.com [ ] [ ] [ ] [Search] (ex. widgetdesigns.com)
For **introduction** of features

- For giving **instruction**
- For revealing **information**
- For **interrogative** feedback
- For obtaining **input**
- For important **interruptions**
- For **indication** of status or progress
- For offering an **invitation**
Pattern. Slide Out.
3. Il Postale
Rethink process flows
Its the user’s model, not the page model
Every page jump is a mental speed bump
Rethink process flows

It’s the user’s model, not the page model
Every page jump is a mental speed bump

Rethink paging

It’s the user’s model, not the paging model
Use scrolling for “owned” data
Watch out for dual scroll bar issue
Rethink process flows
Its the user’s model, not the page model
Every page jump is a mental speed bump

Plan for linking, crawling and back button
Not everything is a single page application
What will the user think the back button does?

Rethink paging
Its the user’s model, not the paging model
Use scrolling for “owned” data
Watch out for dual scroll bar issue
Use overlays
For momentary interruption
Replace page transition
When editing an individual, more complex item
Be symmetrical
Not disturb the page
Use overlays
For momentary interruption
Replace page transition
When editing an individual, more complex item
Be symmetrical
Not disturb the page

Use in-context expands
For editing part of a collection
Need to see surrounding context
For managing content modules
Use overlays
For momentary interruption
Replace page transition
When editing an individual, more complex item
Be symmetrical
Not disturb the page

Use in-context expands
For editing part of a collection
Need to see surrounding context
For managing content modules

Use space creatively
Slide, zoom, flip, lens, fade
Think of your backstage
heavy click-weight

light-weight actions
5

Leave a light footprint
Pattern. In Context Tools

straight fit

loose straight fit (sandblasted vintage) $49.50

straight fit corduroy pants $44.50
Buy 1 or more, save $14.55 each See All

straight fit (blasted black) $49.50

straight fit (dark authentic) $44.50

Tunnel View View Map Delete

Bridalveil Falls Day Hike
Public Pattern Project

- Create Taxonomy Tree for all current patterns
- Finish Transition Patterns
- Move public patterns to new template and stage
- Creative Commons License
- -----
- YDN Patterns Blog Article
- Schedule review meeting for Wed
- Schedule review meeting for Friday

Add item | Reorder
• Microsoft Vista, Office 12 Contextual Command Tabs
Recommendations

High Plains Drifter

Not interested

Add

The Great Escape

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 Gunfighter." Read More

More Recommendations 

Featured Subgenre
CLASSIC COMEDIES

Fun with Dick and Jane

Not interested

Add

George Segal and Jane Fonda play Dick and Jane, two up-and-coming yuppies who exemplify the lifestyle before there was even a name for it. But when Dick loses his lucrative job, the two face a...

Read More

Monty Python's Life of Brian

Not interested

Add

The crown princes of British comedy are at it again — this time, in a send-up of the life and times of Jesus Christ. Perhaps the most controversial...

RECOMMEND THIS STORY
Recommend It: Average (63 votes)

4

5

6

7

8

9

10

Sauce
(415) 252-1369
131 Gough St
San Francisco, CA 94102

Cross Street:
Near intersection of Gough St and Lily St

www.sausesf.com

Designing for Ajax
Pique polo

only at gap.com

Overview

Soft cotton pique knit.
Short-sleeved, button neckline.

- Need large quantities? Click for Corporate Apparel
- 100% Cotton. Machine wash. Imported.

Buy More and Save

select Color: royal grape

$29.50  Buy 2 or more, $25.00 each

$9.99

select Size:
XS S M L XL XXL XXXL

Quantity: 1
royal grape
$29.50 $9.99

add to bag

http://www.flock.com/start/
Watch your click weight
Keep actions immediate and light
Count “clicks”

Fixing the Mighty Mouse

282 diggs
submitted by usedmac 1 day 1 hour ago (via http://mac...
The Apple Mighty Mouse brings a slew of great feats with most new Mac systems it is becoming a common one for close to a year now, I have found that the use Scroll Ball far outweigh its quirks.

60 comments | blog this | email this | category: apple
Watch your click weight
Keep actions immediate and light
Count “clicks”

Design for engaging moments
Use invitations
Keep it fun, exciting and light
Treat it like an impulse aisle
Watch your click weight
Keep actions immediate and light
Count “clicks”

Use lightweight events
Hover
Blur, focus
Click. Avoid double-click

Design for engaging moments
Use invitations
Keep it fun, exciting and light
Treat it like an impulse aisle
multiple transitions, single page

page-based transitions
Show transitions
Yosemite Thanksgiving [ Edit ]

A trip to YOSEMITE NATIONAL PARK
Fun in Yosemite with Daniel & Kids

- This trip is public
- Sharing settings
- Email this trip

[ Update photos ]

Schedule View  Map View

Add Hotels | Things to do | Restaurants | Shopping | Entertainment

Trip Album

Yosemite National Park

- John Muir Vernal Falls Mist Trail Hike  Schedule

Scheduled Items

Wed 11/23/05 (day 1) - Yosemite Natl Pk, Yosemite National Park

- Yosemite Lodge
  From $97.00 to $146.00 per night.  Reserve Now
  
  559-252-4848
  Yosemite Natl Pk, CA 95389
  United States
  In the valley of Yosemite National Park

Notes: [ Edit ]

Tags: [ Edit ]
yosemite, hiking
Patterns. **Scale, Zoom**

**Shoes, Belts & More**

- **Premium canvas duffle bag** $49.50
- **urban nylon sling** $34.50
- **urban nylon backpack** $29.50
- **nylon commuter bag** $68.00
Active Spotlight
9080 visitors came to your blog
That's 313 fewer than an average 30 day period.

digg spy: a real-time view of digg

<table>
<thead>
<tr>
<th>What?</th>
<th>Diggs</th>
<th>Story</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nintendo DS download station finder!</td>
<td>+695</td>
<td><a href="http://www.nintendo.com/dsdownloadstation/">http://www.nintendo.com/dsdownloadstation/</a></td>
</tr>
<tr>
<td>How To Build a Game In A Week From Scratch With No.</td>
<td>+1399</td>
<td><a href="http://www.gamedev.net/reference/articles/article2">http://www.gamedev.net/reference/articles/article2</a>...</td>
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<tr>
<td>David Hahn - The kid who built a nuclear reactor i...</td>
<td>+86</td>
<td><a href="http://en.wikipedia.org/wiki/David_Hahn">http://en.wikipedia.org/wiki/David_Hahn</a></td>
</tr>
<tr>
<td>Another Apple Mac mini Dual Core 1.66GHz Review</td>
<td>+201</td>
<td><a href="http://reviews.designtechnica.com/review3531.html">http://reviews.designtechnica.com/review3531.html</a></td>
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<tr>
<td>David Hahn - The kid who built a nuclear reactor i...</td>
<td>+85</td>
<td><a href="http://en.wikipedia.org/wiki/David_Hahn">http://en.wikipedia.org/wiki/David_Hahn</a></td>
</tr>
</tbody>
</table>
Designing for Ajax

Pattern. **Fade, Self-Heal, Slide, Collapse, Expand**

- **Starter Web Page**
  Publish basic information on a placeholder web page — until you're ready to upgrade to a full web site. [View a sample.]

- **Domain Locking**
  Safeguard your domain from hijacking and unauthorized transfers with domain locking. Yahoo! Domains secures your domain for you — and only you.

- **Domain Forwarding**
  Point your new domain name to a web site you already have with domain forwarding. This is a useful feature if you own multiple domain names.

- **Complete Domain (DNS) Control**
  Advanced users: You can easily edit your name servers and MX, A, and CNAME records for complete control over your domain.

- **Email Forwarding**
  Unlimited forwarding of messages sent to your new domain name into your free Yahoo! email account.

---

Fantasy Games Archive

<table>
<thead>
<tr>
<th>All Sports</th>
<th>Baseball</th>
<th>Basketball</th>
<th>Football</th>
<th>Auto Racing</th>
<th>Golf</th>
<th>Hockey</th>
</tr>
</thead>
</table>

All Fantasy Games

You have not played any Fantasy Games

Search: [Yahoo! Sports] for

---

Copyright © 2005 Yahoo! Inc. All rights reserved. [Privacy Policy] - [Terms of Service] - [Copyright/IP Rs]
Transitions

- Brighten. Raise importance
- Cross Fade. One leaves, another enters
- Dim. Lower importance
- Expand. Open in context of others
- Fade In. Good for adds
- Fade Out. Good for deletes
- Flip. Edit configuration
- Animate. Change relationship, tweening
- Self-Healing. After delete or “yank”
- Collapse. Close in context of others
- Slide. Similar to expand but child window
Speak to the BRAIN
Understanding attention processing
Sending the wrong message
Speak to the BRAIN
Understanding attention processing
Sending the wrong message

What you can communicate
Speed up time
Slow down time
Show state change
Show relationships between objects
Speak to the BRAIN
Understanding attention processing
Sending the wrong message

What you can communicate
- Speed up time
- Slow down time
- Show state change
- Show relationships between objects

Keep it sane
“Cut in half” rule of thumb
Use a “contrast knob” approach
Don’t overuse
Simple observations

- The more rapid the change the more important the event.
- Rapid movement is seen as more important than rapid color change.
- Movement toward the user is seen as more important than movement away from the user.
- Very slow change can be processed without disrupting the user's attention.
- Animation can be used to communicate where an object was and now is
Page to Objects.
Think in objects
### The shift to objects

<table>
<thead>
<tr>
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<th>Page-Based Web</th>
<th>Rich Internet App</th>
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<tbody>
<tr>
<td><strong>Richer Model</strong></td>
<td>Document</td>
<td>Rich Internet Object</td>
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<tr>
<td><strong>Longer Lifecycle</strong></td>
<td>Transient</td>
<td>Permanent</td>
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<tr>
<td><strong>Community/Sharing</strong></td>
<td>Bookmark</td>
<td>Content, properties, and behaviors</td>
</tr>
</tbody>
</table>
Designing for Ajax

Pattern: Shareable Object

Scheduled Items

Wed 11/23/05 (day 1) - Yosemite Natl Pk, Yosemite National Park

- Yosemite Lodge
- Tunnel View
- Bridalveil Falls Day Hike

Other trips you might like ...

- The Ultimate by ajun01918
- SF Trip by pikak_shah
- 6 Parks in 8 d by laocren
- Yosemite by whiskeyw0m
- Gold Baby! by jilly76
Rethinking the model
What is the user’s mental model?
How to distinguish from content?

Yosemite Thanksgiving [ Edit ]
A trip to YOSEMITE NATIONAL PARK
Fun in Yosemite with Daniel & Kids
This trip is public  •  Sharing settings  •  Email this trip

Schedule View  Map View

Trip Album Add Hotels  Things to do  Restaurants  Shopping  Entertainment Create Item

Yosemite National Park
John Muir Vernal Falls Mist Trail Hike  Schedule

Scheduled Items

Wed 11/23/06 (day 1) - Yosemite Natl Pk, Yosemite National Park

Yosemite Lodge
From $97.00 to $145.00 per night.  Reserve Now
559-252-4948
Yosemite Natl Pk, CA 95389
United States
In the valley of Yosemite National Park

Notes: [ ] Tags: [ ]
yosemite, hiking
Rethinking the model
What is the user’s mental model? How to distinguish from content?

The power of sharing
Bloggable, shareable, findable
How to dial-in community
Collections
Rethinking the model
What is the user’s mental model?
How to distinguish from content?

Web 2.0 as a platform
Rich objects fit the SOA model
Creates a good separation of concerns
Mashups

The power of sharing
Bloggable, shareable, findable
How to dial-in community
Collections

See your friends on a mobile map. Anywhere. Outside or inside.
Questions?
Participate?
Have You Seen a Cool Example?

• **Tag It!**
  
  • Use ‘ypatternexample’ tag in either delicious or Yahoo! My Web2
  
  • Use additional tags to identify the pattern name you think it belongs to
  
  • Write a comment about what is interesting about the example or how to see the interaction