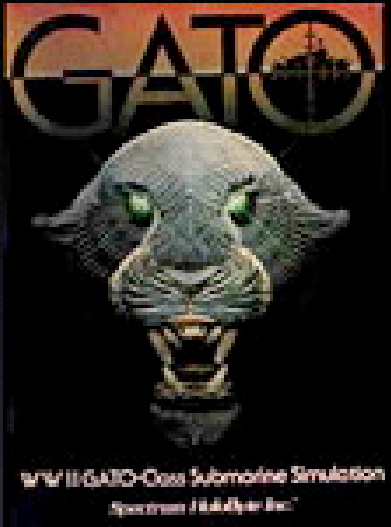


patterns and beyond

Bill Scott
Yahoo! Ajax Evangelist
b.scott@yahoo.com



background.



Rico

JavaScript for Rich Internet Applications

Home Features Demos Documentation Downloads About

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

BACKGROUND

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

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

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

OPEN SOURCE

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

BROWSER SUPPORT

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

AJAX SUPPORT

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

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

DRAG AND DROP

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

CINEMATIC EFFECTS

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

BEHAVIORS

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

NEW! LiveGrid Behavior!

Check out the Alternative to Paging!

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
- 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 specific context. [more...](#)

Recent Patterns

Auto-Complete

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

Breadcrumbs

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

Drag and Drop Modules

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

Module Tabs

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

Navigation Tabs

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

Object Pagination

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

Results Page:

1 2 3 4 Next

[Search Pagination](#)

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

Rating an Object

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

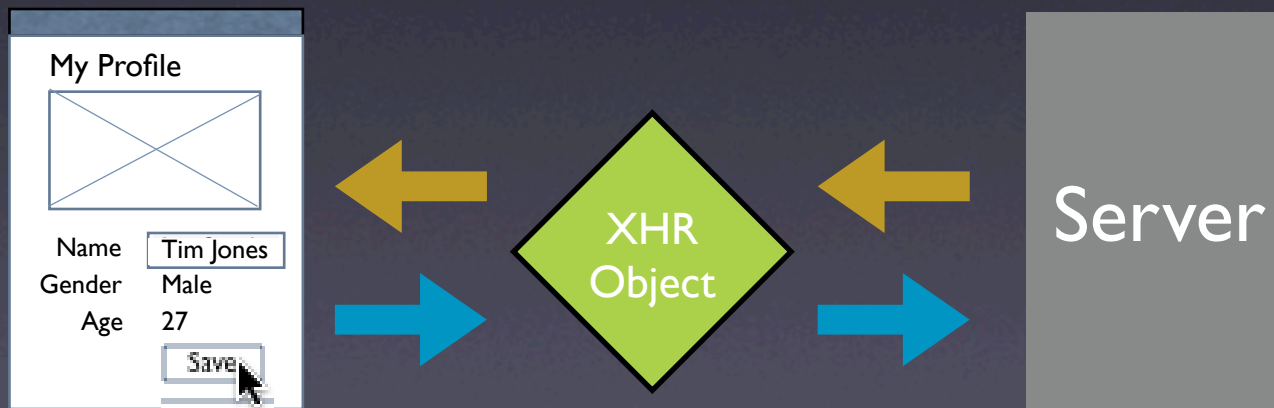
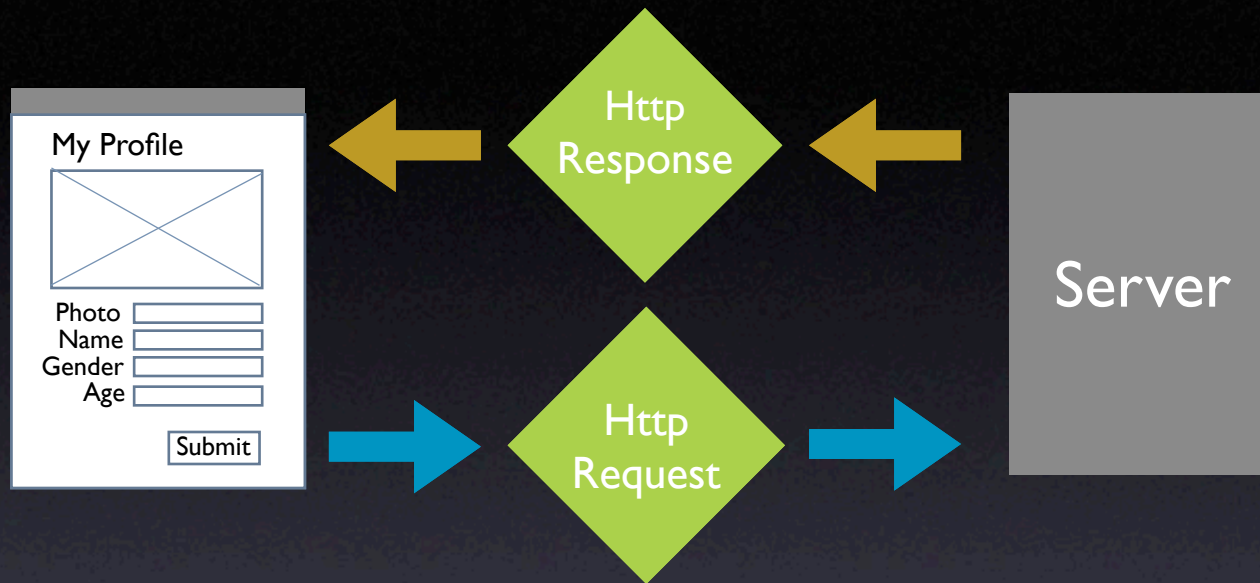
Review Title

*Review Title - e.g. We can't Great!

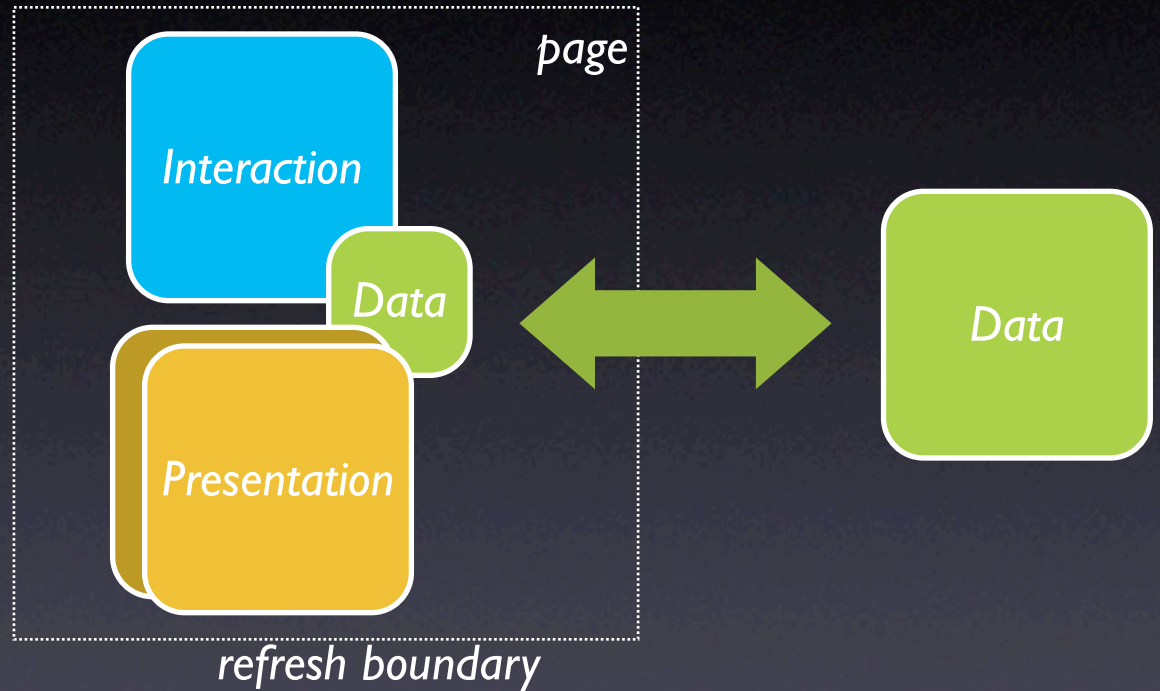
*Write your review - Your ID

Yahoo! Ajax Evangelist & Pattern Curator

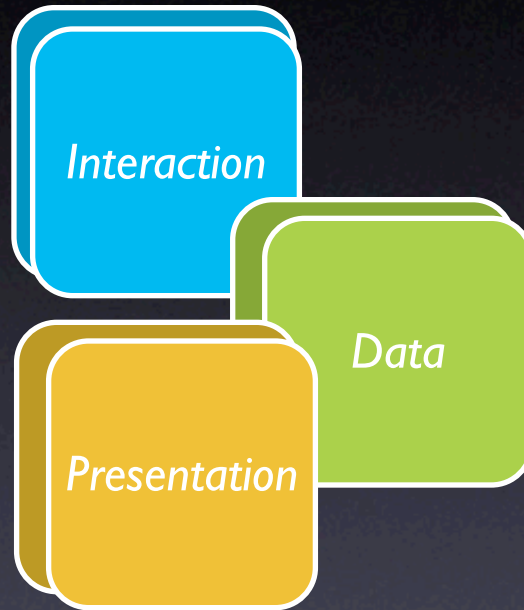
classic model. rich model.



interaction. presentation. data.



data near. interaction rich.



surfacing a vocabulary.



vocabulary. patterns.

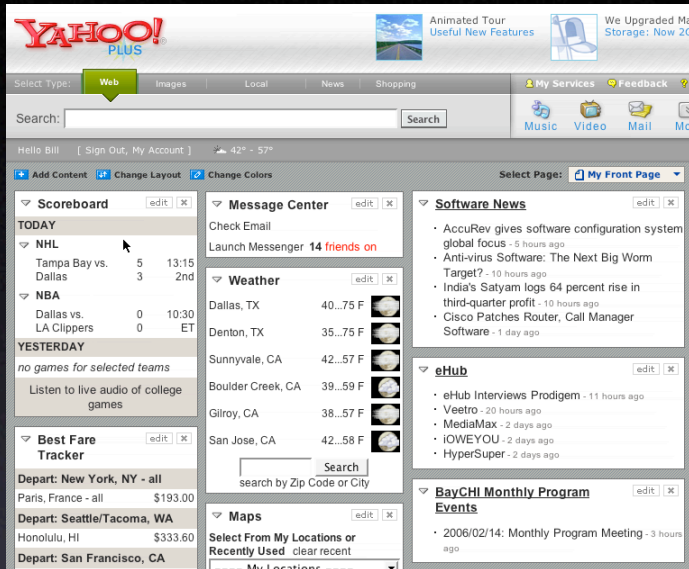
Drag and Drop. Drag and Drop Modules. In Page Editing. In Page Custom Editing. Direct State Editing. Grid Cell Editing. Inline Custom Editing. Inline Tag Editing. Popup Custom Editing. Slide-out Custom Editing. Inline Text Editing. Persistent Portals. Inline Reordering. Indication. Busy Indication. Cursor Busy. In Context Busy. In Context Progress. Inline Status. Auto Complete. Balloon Error Tip. Deferred Content Loading. Dynamic Goal. Narrowing Choices. Refining Search. Live Search. Dynamic Filter. Invitation. Cursor Invitation. Drop Invitation. Tool Tip Invitation. Hover Invitation. Detail Zoom. Opacity Focus. Configurable Module - Faceplate. Configurable Module - Flip It. Configurable Module - Inline Configure. Configurable Module - Slide Out Drawer. Slide Out. Flip. Opacity Fade. Endless Scrolling. Expandable Paging Boundary. Fresh Content. Hover Detail. In Place Drill Down. Inline Assistant. Inline Validation. Validate Then Suggest. On Demand Refresh. Periodic Refresh. Resizable Modules. Scrolling Modules. Auto Save. In Context Tools. Remembered Collection. Remembered Preferences. Auto Form Fill. Rating an Object. Transition. Brighten Transition. Cross Fade Transition. Dim Transition. Expand Transition. Fade In Transition. Fade Out Transition. Flip Transition. Move Transition. Self-Healing Transition. Collapse Transition. Slide Transition. Rich Internet Object. Available. Selected. Identifiable Object.



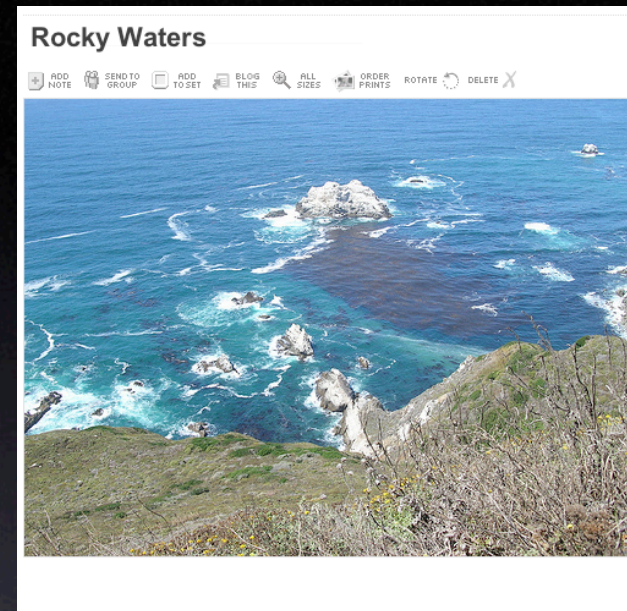
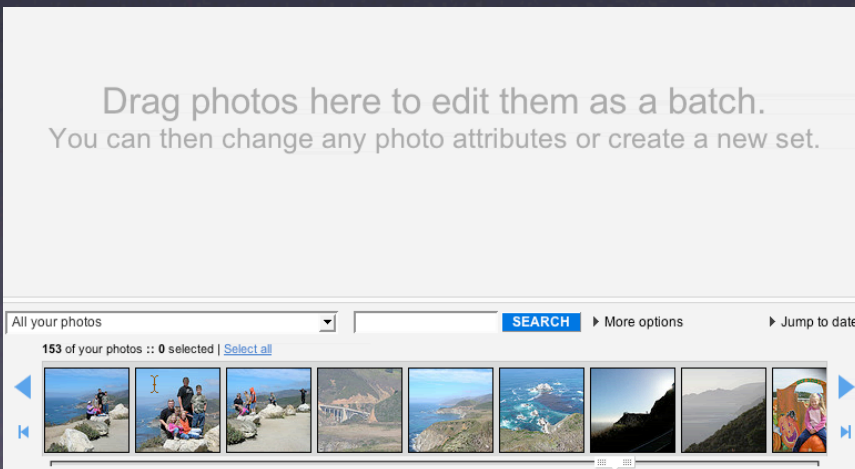
7 areas for emerging patterns



patterns. directness.



pattern. Drag and Drop.



pattern. Inline Editing.



pattern. In Context Tools.



patterns. light footprint.

0 items in **my bag** **checkout**

Pique polo

only at gap.com

overview you'll also like

Soft cotton pique knit.
Short-sleeved, button neckline.
• [Need large quantities? Click for Corporate Apparel](#)
• 100% Cotton. Machine wash. imported.

regular **tall**

Buy More and Save #346927 prices may vary
select Color: **royal grape**
\$29.50 **Buy 2 or more, \$25.00 each**
\$29.50 **\$9.99**

select **Size**: XS S M L XL XXL XXXL
[size chart](#)

Quantity: 1 **royal grape** **\$29.50 \$9.99** **add to bag**

pattern. Remembered Collection.

RECOMMEND THIS STORY

Recommend It: ☆☆☆☆☆ Average (63 votes) ★★★★★

pattern. Rating an Object.

Classics

Featured Subgenre **CLASSIC COMEDIES**

Recommendations

High Plains Drifter ★★★★★
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 ★★★★★
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](#)

Fun with Dick and Jane ★★★★★
George Segal and Jane Fonda play Dick and Jane, two up-and-coming yuppies who exemplified 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 ★★★★★
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

282 diggs [digg it](#)

Fixing the Mighty Mouse

submitted by [usedmac](#) 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 comm one for close to a year now, I have found that the us Scroll Ball far outweigh its quirks.

[60 comments](#) | [blog this](#) | [email this](#) | category: [apple](#)

pattern. In Page Action.



patterns. immediacy.

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](#).

You have 110 characters to work with. Add details below.








You have 1000 characters to work with.

pattern. Live Suggest.

To: | Show BCC

Cc:

Subject: Plain Text

Times New Roman 12 **B** *I* U       

pattern. Auto Complete.

Find Athletes and Countries

PRESENTED BY  **CHEVROLET**

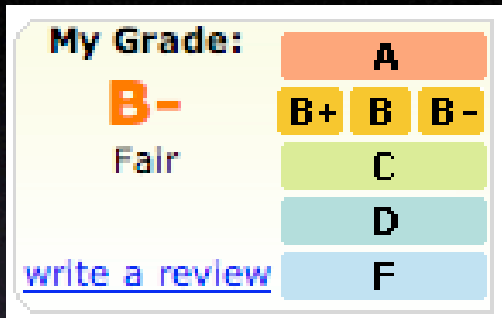
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				TOTAL
 GERMANY	11	12	6	29
 UNITED STATES	9	9	7	25
 CANADA	7	10	7	24
 AUSTRIA	9	7	7	23
 RUSSIA	8	6	8	22

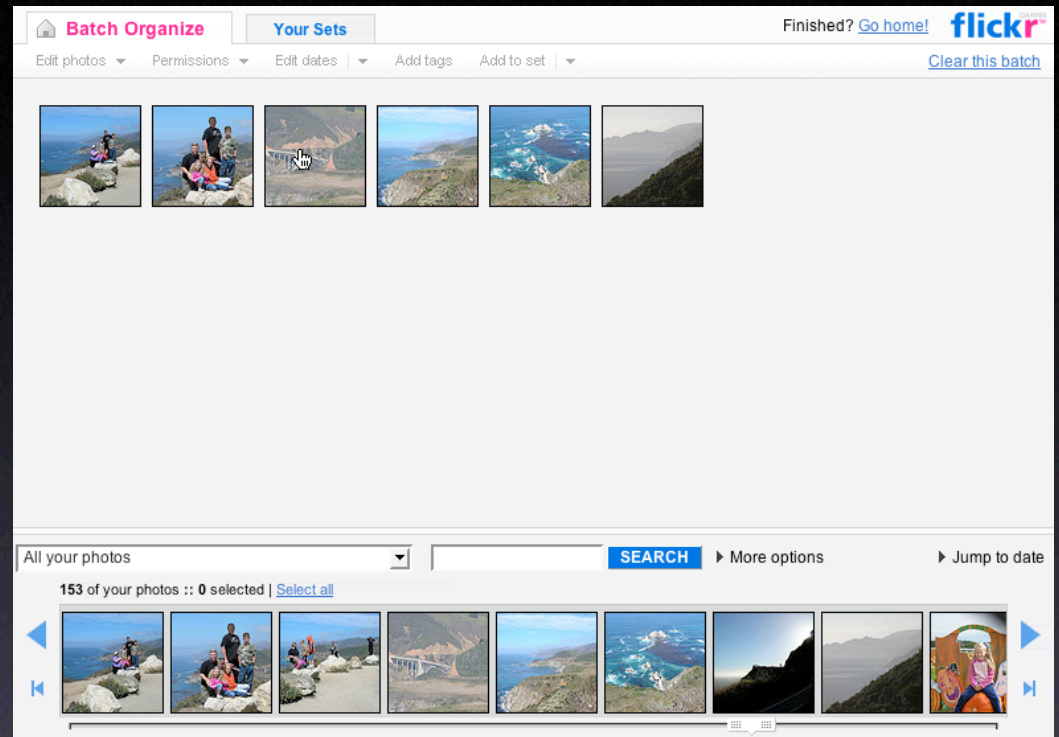
» Full Medal Count  



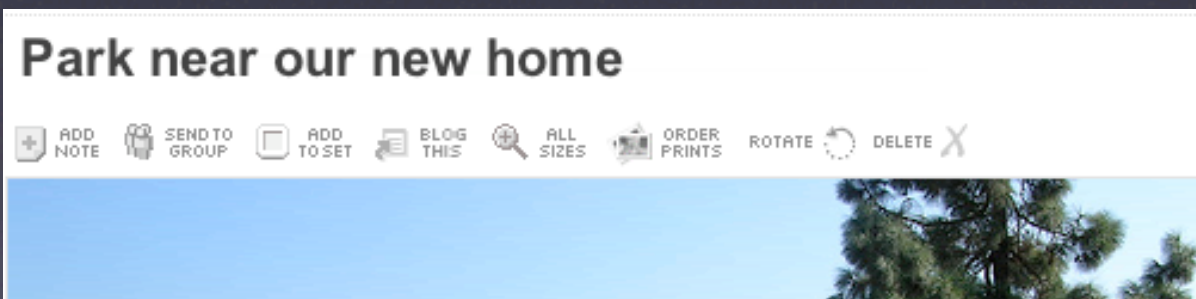
patterns. **invitational.**



pattern. Hover Invitation.



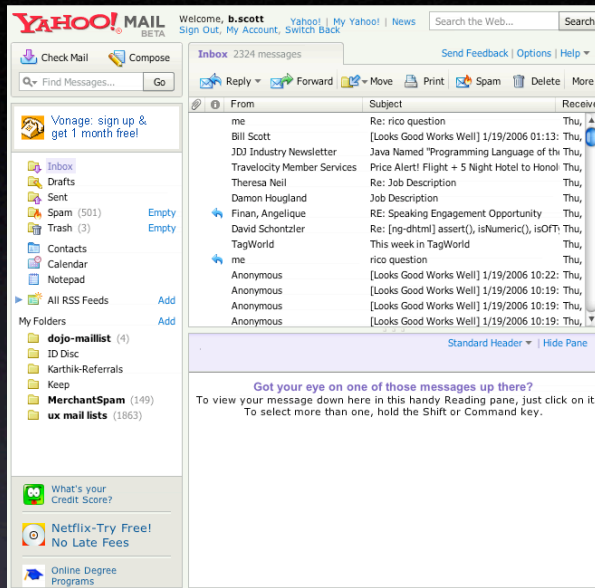
pattern. Drop Invitation.



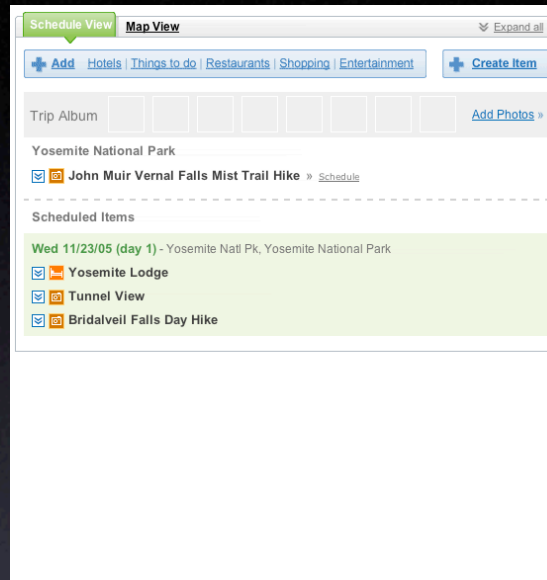
pattern. Tooltip Invitation + Hover Invitation.



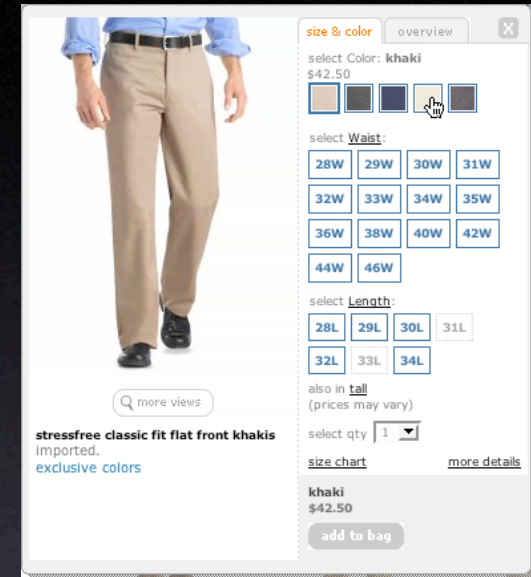
patterns. without boundaries.



pattern. Endless Scrolling.



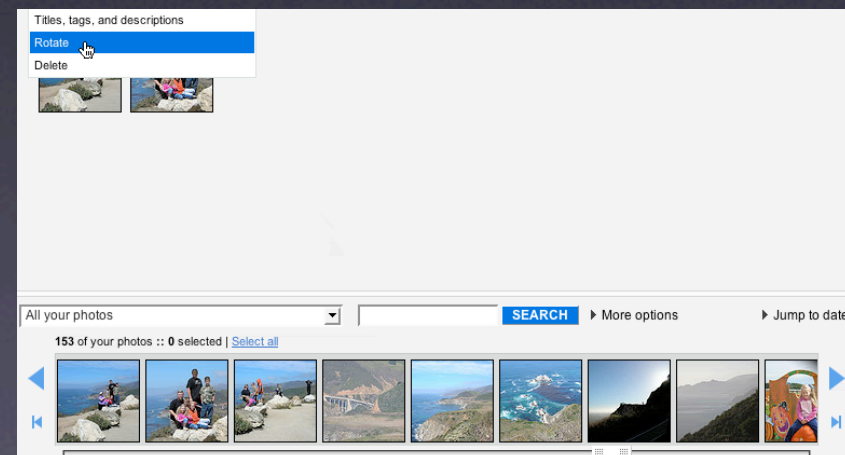
pattern. In Context Expand.



pattern. Inline Assistant.



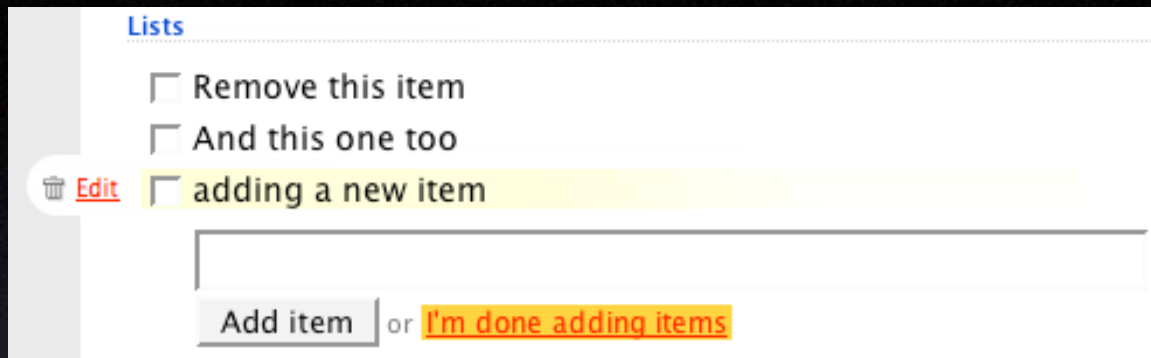
pattern. Hover Details.



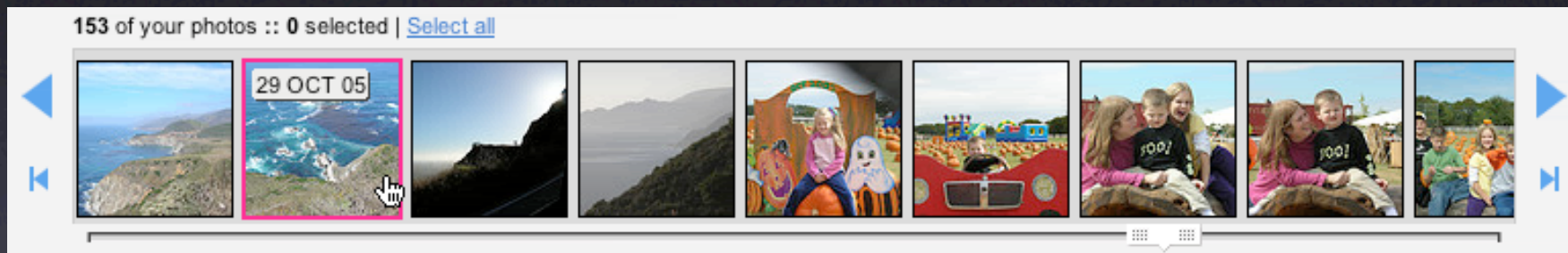
pattern. Lightweight Popup + Lightbox



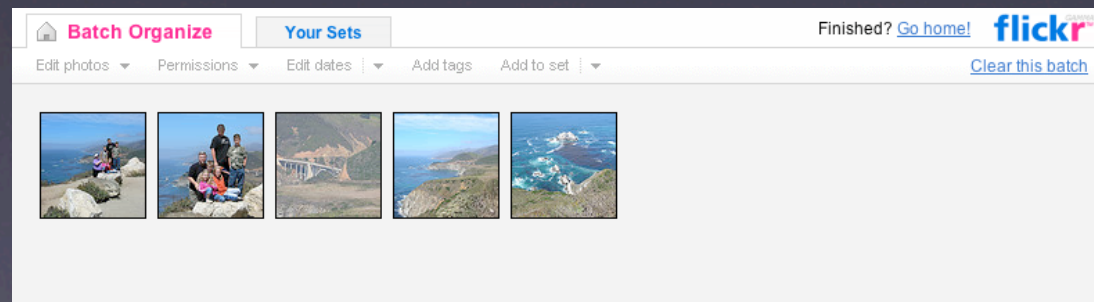
patterns. **cinematic.**



pattern. Fade Transition + Self-Healing Transition.



pattern. Slide + Animate.



pattern. Spotlight.



patterns. rich content.

[Schedule View](#) [Map View](#) [Expand all](#)

[+ Add](#) [Hotels](#) [Things to do](#) [Restaurants](#) [Shopping](#) [Entertainment](#) [+ Create Item](#)

Yosemite National Park

  [John Muir Vernal Falls Mist Trail Hike](#) [Schedule](#) [View](#) [Delete](#)

+1 209 372 0200
Happy Isle Shuttle Stop #16
Yosemite National Park, CA 95389
United States



This hike is also known as the Mist Trail because it passes right beside Vernal Falls, which in the spring blows a heavy mist everywhere. This 1.4 mile roundtrip hike is considered a moderate [...](#)

Notes: [\[Edit \]](#)

Tags: [\[Edit \]](#)

Dates: [\[Add \]](#)

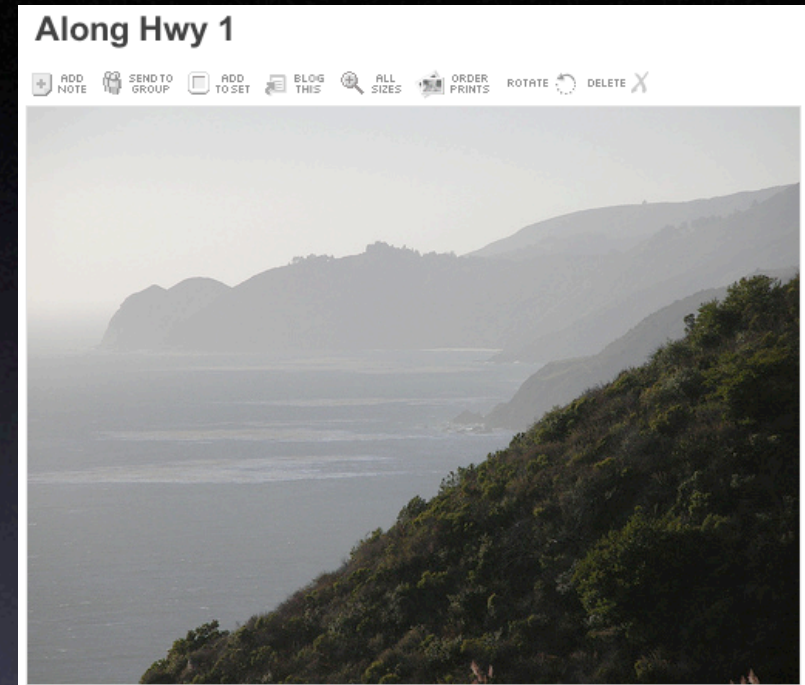
Scheduled Items

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

  [Yosemite Lodge](#)


  [Tunnel View](#)

  [Bridalveil Falls Day Hike](#)




pattern. Shareable Object.


[Other trips you might like ...](#) [Browse All Public Trips »](#)




The Ultimate A...
by [ajrao1918](#)
[Copy this trip](#)



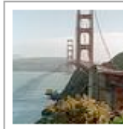
SF Trip
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[Copy this trip](#)



6 Parks in 8 d...
by [jacorebb](#)
[Copy this trip](#)



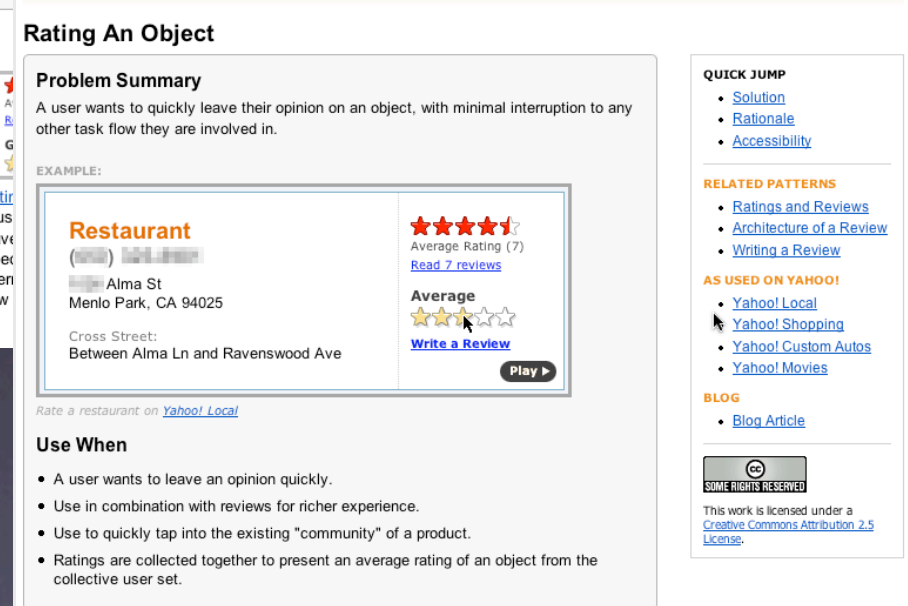
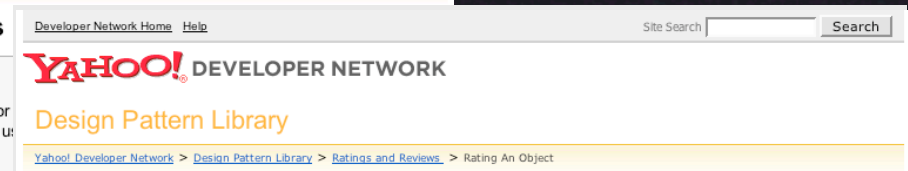
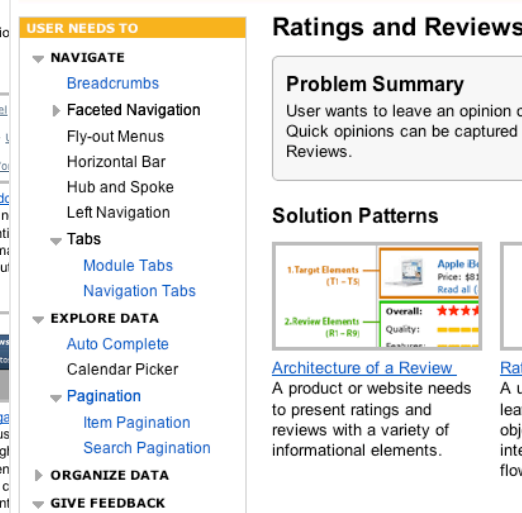
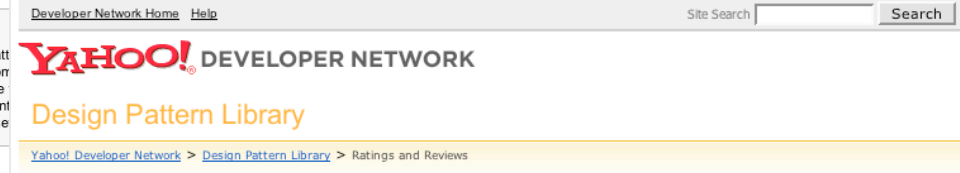
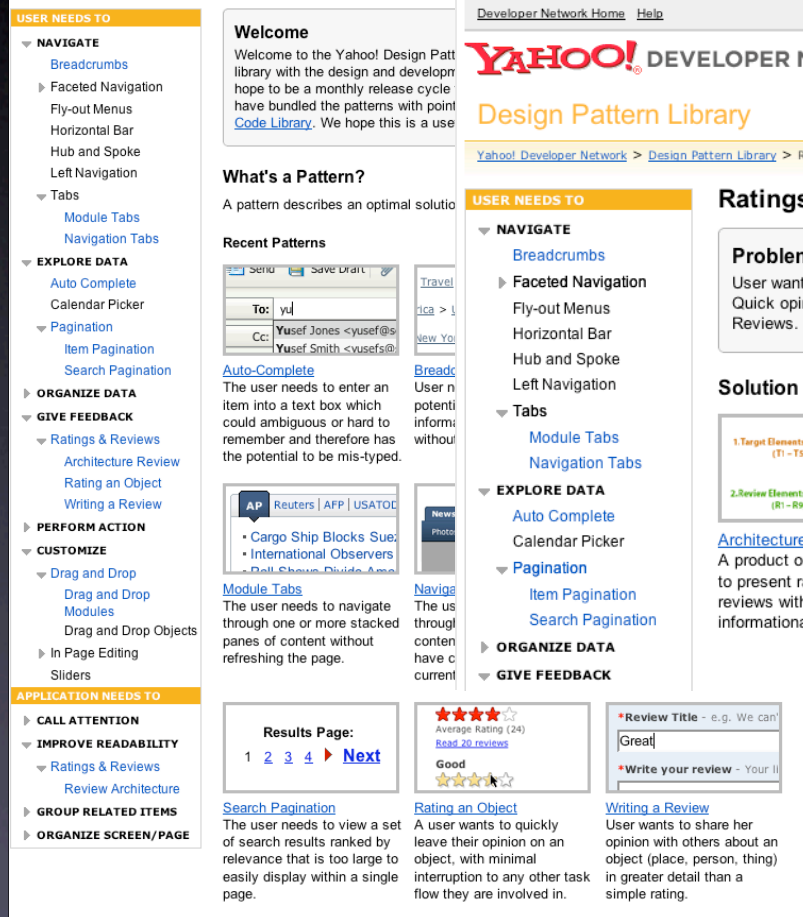
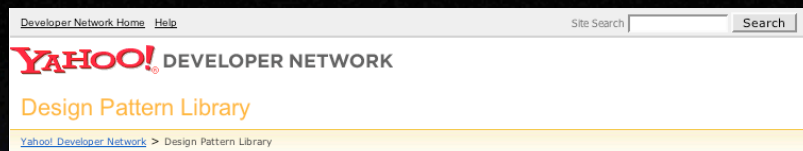
Yosemite
by [whiskeywom...](#)
[Copy this trip](#)



Cali Baby!
by [ibily78](#)
[Copy this trip](#)



Yahoo! Design Pattern Library Released 2/13



vocabulary. patterns.

Drag and Drop. Drag and Drop Modules. In Page Editing. In Page Custom Editing. Direct State Editing. Grid Cell Editing. Inline Custom Editing. Inline Tag Editing. Popup Custom Editing. Slide-out Custom Editing. Inline Text Editing. Persistent Portals. Inline Reordering. Indication. Busy Indication. Cursor Busy. In Context Busy. In Context Progress. Inline Status. Auto Complete. Balloon Error Tip. Deferred Content Loading. Dynamic Goal. Narrowing Choices. Refining Search. Live Search. Dynamic Filter. Invitation. Cursor Invitation. Drop Invitation. Tool Tip Invitation. Hover Invitation. Detail Zoom. Opacity Focus. Configurable Module - Faceplate. Configurable Module - Flip It. Configurable Module - Inline Configure. Configurable Module - Slide Out Drawer. Slide Out. Flip. Opacity Fade. Endless Scrolling. Expandable Paging Boundary. Fresh Content. Hover Detail. In Place Drill Down. Inline Assistant. Inline Validation. Validate Then Suggest. On Demand Refresh. Periodic Refresh. Resizable Modules. Scrolling Modules. Auto Save. In Context Tools. Remembered Collection. Remembered Preferences. Auto Form Fill. Rating an Object. Transition. Brighten Transition. Cross Fade Transition. Dim Transition. Expand Transition. Fade In Transition. Fade Out Transition. Flip Transition. Move Transition. Self-Healing Transition. Collapse Transition. Slide Transition. Rich Internet Object. Available. Selected. Identifiable Object.



developer.yahoo.com/ypatterns

The image displays three overlapping screenshots of the Yahoo! Developer Network Design Pattern Library website, illustrating various design patterns and their applications.

Top-Left Screenshot: Design Pattern Library

- Header:** Developer Network Home | Help | Site Search | Search
- Navigation:** 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
 - APPLICATION NEEDS TO:**
 - CALL ATTENTION
 - IMPROVE READABILITY: Ratings & Reviews, Review Architecture
 - GROUP RELATED ITEMS
 - ORGANIZE SCREEN/PAGE

Top-Right Screenshot: Ratings and Reviews

- Header:** Developer Network Home | Help | Site Search | Search
- Navigation:** 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:**

Bottom-Right Screenshot: Rating An Object

- Header:** Developer Network Home | Help | Site Search | Search
- Navigation:** 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:**

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

Alma St
Menlo Park, CA 94025

Cross Street:
Between Alma Ln and Ravenswood Ave

Rate a restaurant on [Yahoo! Local](#)

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.

QUICK JUMP

- [Solution](#)
- [Rationale](#)
- [Accessibility](#)

RELATED PATTERNS

- [Ratings and Reviews](#)
- [Architecture of a Review](#)
- [Writing a Review](#)

AS USED ON YAHOO!

- [Yahoo! Local](#)
- [Yahoo! Shopping](#)
- [Yahoo! Custom Autos](#)
- [Yahoo! Movies](#)

BLOG

- [Blog Article](#)

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current patterns.

Breadcrumbs. Module Tabs. Navigation
Tabs. Auto Complete. Pagination. Item
Pagination. Search Pagination. Ratings and
Reviews. Architecture of a Review. Rating
an Object. Writing a Review. Drag and
Drop. Drag and Drop Modules. Transition.
Dim. Brighten. Cross Fade. Contract.
Expand. Fade In. Fade Out. Move. Self-
Healing. Slide. Highlight. Invitation. Cursor
Invitation. Drop Invitation. Tool Tip
Invitation. Hover Invitation.



sharing a vocabulary.
sharing code.
sharing thinking.



future. pattern mashup.

Developer Network Home Help Site Search Search

YAHOO! DEVELOPER NETWORK

Design Pattern Library

Yahoo! Developer Network > Design Pattern Library > Ratings and Reviews > Rating An Object

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

(1000) 123456789

Alma St
Menlo Park, CA 94025

Cross Street:
Between Alma Ln and Ravenswood Ave

★★★★★

Average Rating (7)
[Read 7 reviews](#)

Average
★★★★★

[Write a Review](#)

Play ▶

Rate a restaurant on [Yahoo! Local](#)

Use When

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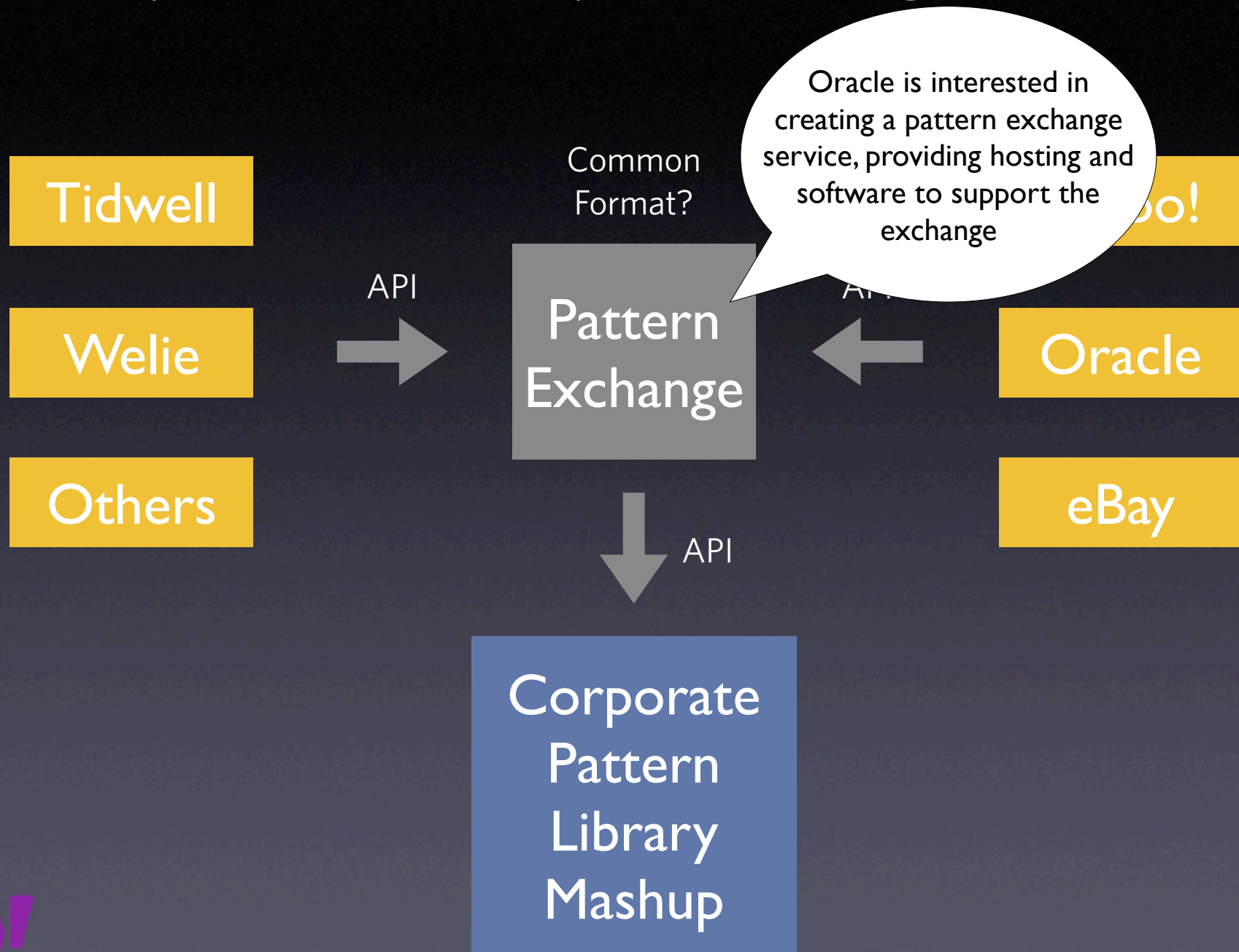
Yahoo! service responds with a JSON representation of a pattern. Allows anyone to mashup the patterns into a corporate pattern library

Pattern API

Your own
Pattern
Mashup



future. pattern mashup & exchange?



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yuiblog.com
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