



Browse-Mash-Remix

Tools for rewriting the web

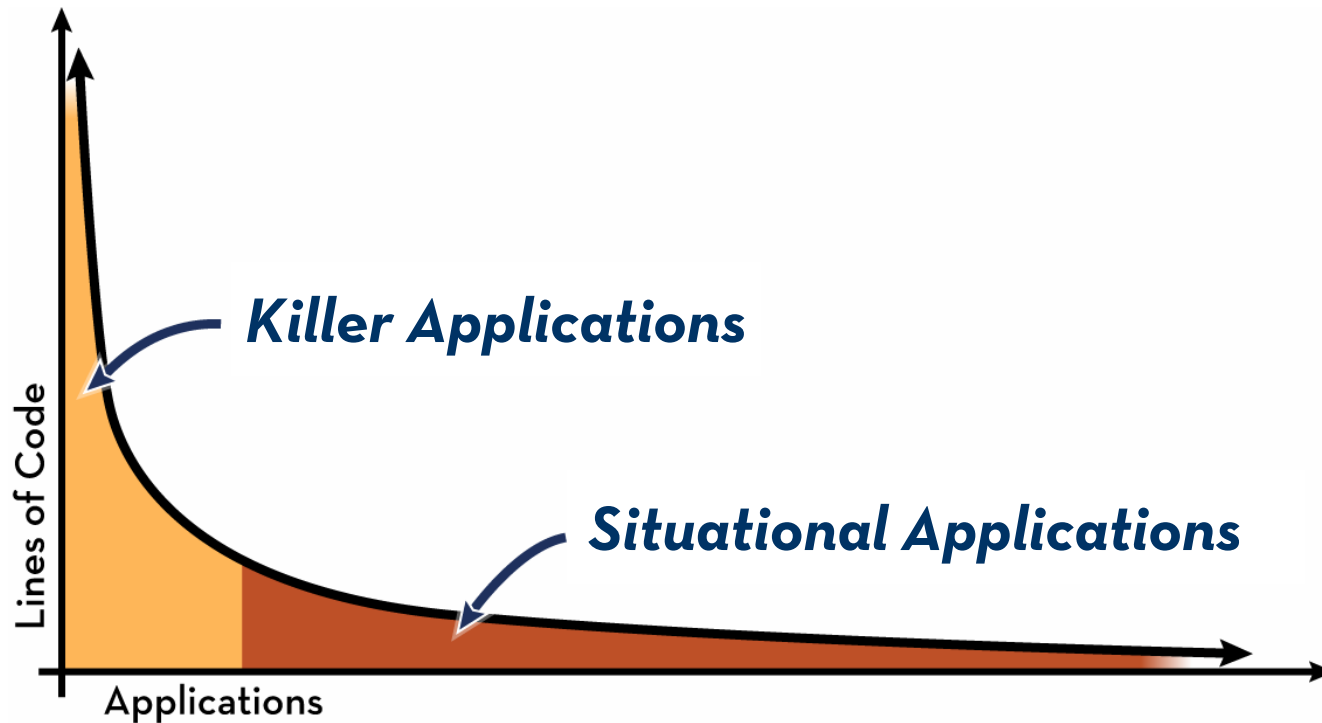
Björn Hartmann, Leslie Wu, Kevin Collins, Scott R. Klemmer

WEBMONTAG · 29 January 2007

<http://hci.stanford.edu>

The Goal:

Software tools to support exploration, creation, and sharing of web service-enabled applications



Two Components:

API Explorer: explore data-centric web service APIs by annotating their associated web sites
(*cf.*, Flickr API Explorer, Dapper)

WikiStudio: a wiki-based experimental playground to quickly create, test, and share small applications
(*cf.*, TWiki, JotSpot)

Scenario



Phoebe










Tod



Scott

What are my Photographers up to?

 Phoebe		see all... email Phoebe...
 Tod		see all... email Tod...
 Scott	  	see all... email Scott...



Scenario

What are my Photographers up to?

Phoebe



see all...
email Phoebe...

Tod



see all...
email Tod...

Scott



see all...
email Scott...




Welcome to Flickr! - Mozilla Firefox

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http://flickr.com/ Google

flickr GAMMA Signed in as **bpunkt** (3 new) Help Sign Out

Home You Organize **Contacts** Groups Explore Search everyone's photos Search

 **Hala bpunkt!**

IMPORTANT SECURITY NOTICE: Please read this [news item](#) for more information. DISMISS X

◆ You have [3 new messages](#).

Printing? Can it be true?
Well, it's true *if you're in the U.S....* with more countries coming online soon! Get 10 free prints with your first order! [Click here to set yourself up for printing.](#)

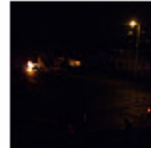



Flickr News
24 Jan 07 - Nerdy News: We've tweaked our interface just a little. If you've ever seen photos with funny looking tags on a such as "cell:cellid=197216005", well... [read more news](#)

» [Flickr Blog](#) Great photos & latest news, daily!





Do more with your photos! DISMISS X
Posters! Books! DVDs!

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 **Hala bpunkt!**

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[Contact List](#)
[People Search](#)
[Invite your Friends](#)
[Invite History](#)

IMPORTANT SECURITY NOTICE [more information.](#) [DISMISS X](#)

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http://flickr.com/people/bpunkt/contacts/ Disabled

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Your contacts



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Recent | [Friends & Family](#) | [Family](#) | [Friends](#) | [Contacts](#)








Friends & Family (1)




[tphummbbyrd](#)

Family (2)

 
[volker jr hartmann](#) [firetox13](#)

Friends (See all 14)

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http://flickr.com/people/bpunkt/contacts/?see=friends









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Your contacts

Recent Photos Contact List Who calls you a Contact? Invite

Recent Friends & Family Family **Friends** Contacts

 <p>agentpu jaime 164 photos view agentpu's profile</p>	 <p>balee Brian 4,890 photos view his profile</p>
 <p>eleith 0 photos view eleith's profile</p>	 <p>gleemie Lilly Irani - San Francisco, CA, USA 400 photos view her profile</p>
 <p>haiyan haiyan zhang - san francisco, usa 773 photos view her profile</p>	 <p>heidymp 69 photos view heidymp's profile</p>
 <p>Indignant Chihuahua Wendy Ju</p>	 <p>joelrbrandt Joel</p>


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http://flickr.com/people/bpunkt/contacts/?see=friends


773 [photos](#) | view her [profile](#)




Indignant Chihuahua
Wendy Ju
66 [photos](#) | view Indignant Chihuahua's [profile](#)




joelrbrandt
Joel
452 [photos](#) | view joelrbrandt's [profile](#)




krispyzelda
Ron Yeh - Stanford, CA, USA
2,202 [photos](#) | view his [profile](#)




madh
hiten parmar - stanford, ca, usa
1,793 [photos](#) | view madh's [profile](#)




parutron
835 [photos](#) | view parutron's [profile](#)



scootdoor
165 [photos](#) | view scootdoor's [profile](#)



sohyeong
29 [photos](#) | view sohyeong's [profile](#)



stanfordhci
49 [photos](#) | view stanfordhci's [profile](#)

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773 photos | view her profile

 Indignant Chihuahua Wendy Ju 66 photos view Indignant Chihuahua's profile	 joelrbrandt Joel 452 photos view joelrbrandt's profile
 krispyzelda Ron Yeh - Stanford, CA, USA 2,202 photos view his profile	 madh hiten parmar - stanford, ca, usa 1,793 photos view madh's profile
 parutron 835 photos view parutron's profile	 scootdoor 165 photos view scootdoor's profile
 sohyeong 29 photos view sohyeong's profile	 stanfordhci 49 photos view stanfordhci's profile

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sohyeong
29 photos | view sohyeong's profile

scootdoor
photos | view scootdoor's profile

stanfordhci
49 photos | view stanfordhci's profile

```
flickr.people.getInfo(nsid="12037949754@N01")  
.username="scootdoor"
```

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 835 photos | view parutron's profile

scootdoor
 165 photos | view scootdoor's profile

flickr.photos.search
 (user_id= 79455386@N00)

copy to clipboard copy to wiki

Returns photo list XML
 Optional arguments
 tags: restrict list to matching tags
 text: Search for matching text

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773 photos | view her profile

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`flickr.photos.search`
(`user_id= 79455386@N00`)

Returns photo list XML
Optional arguments
tags: restrict list to matching tags
text: Search for matching text

Activity You Explore ...

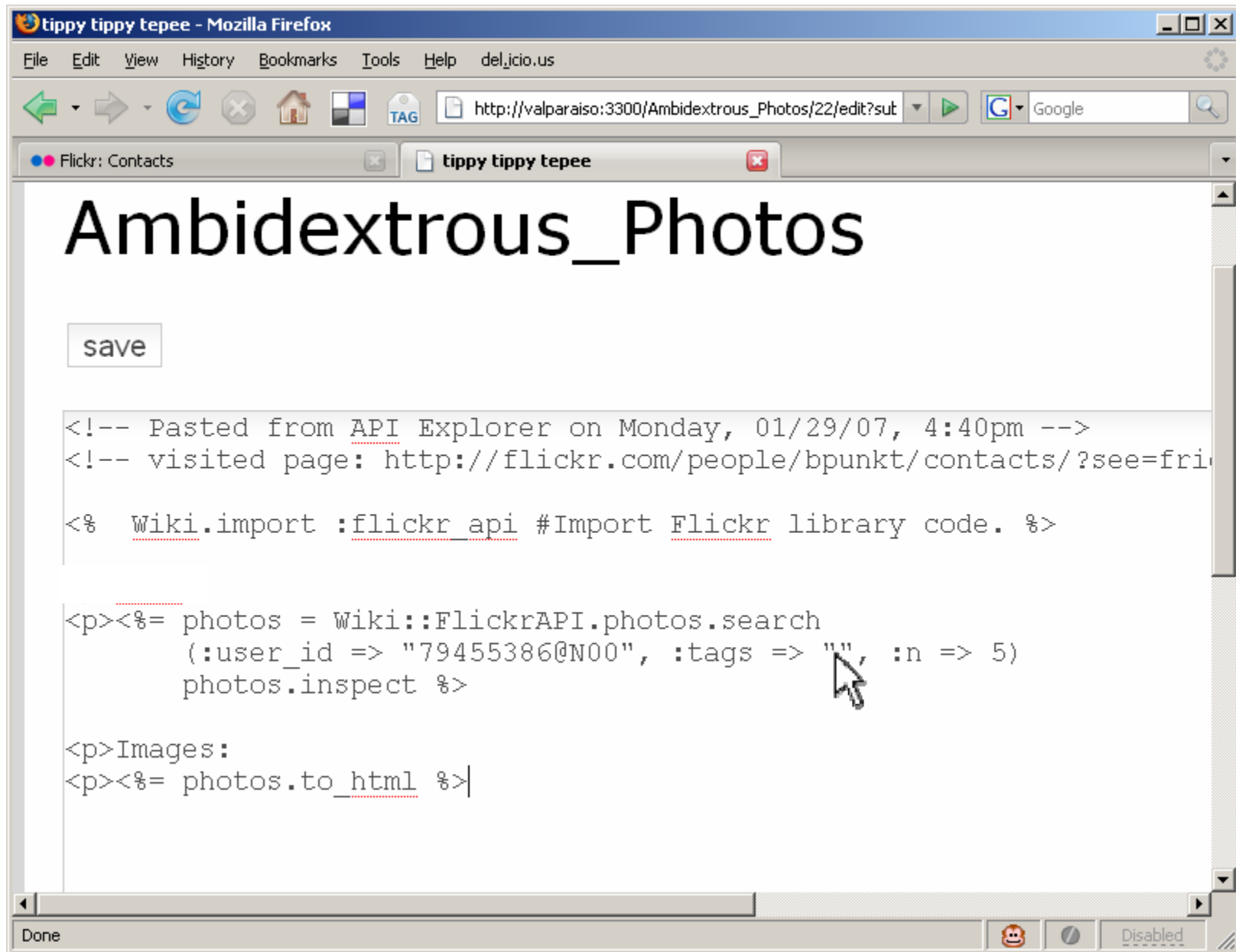
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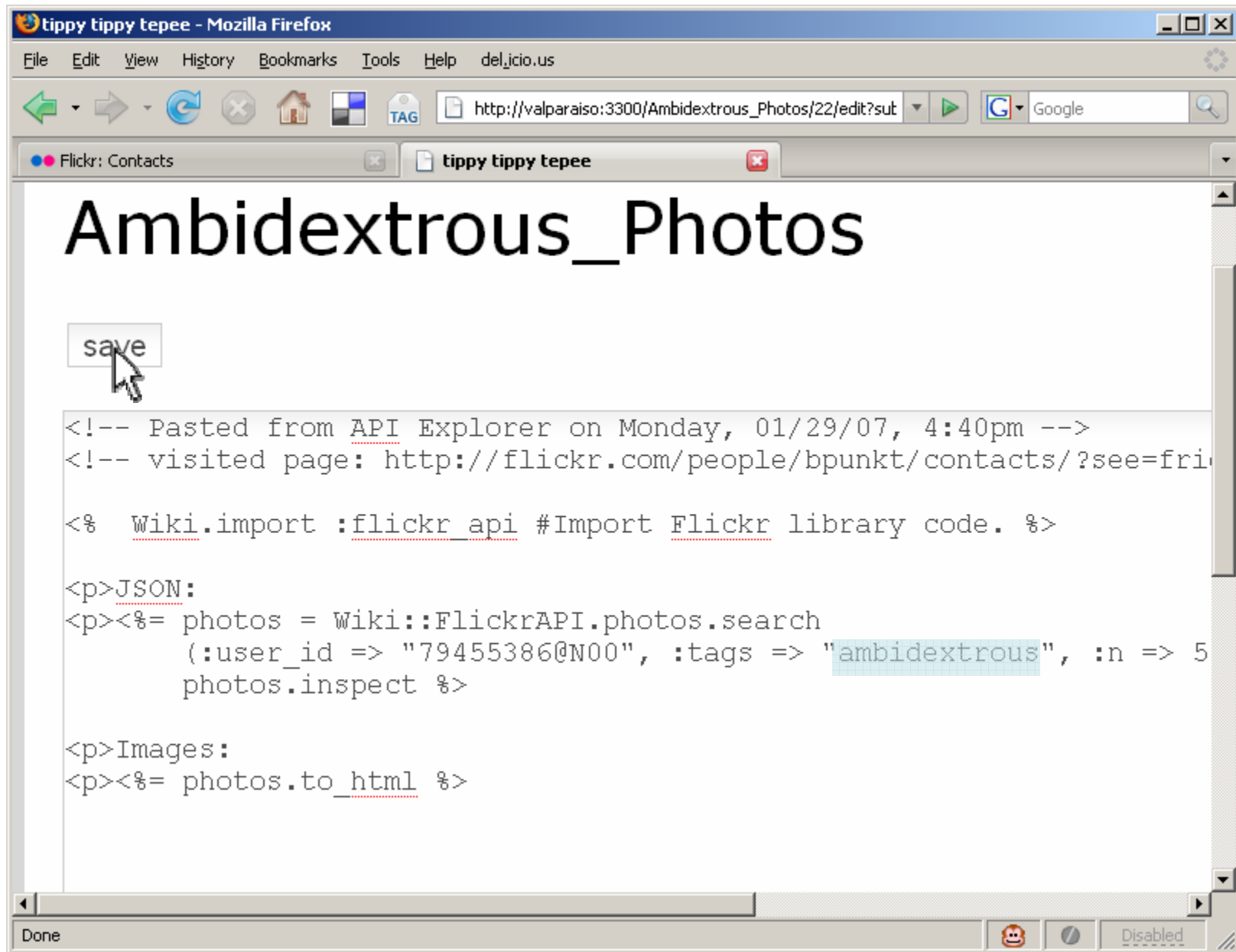
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Ambidextrous_Photos

edit

Images:



http://www.flickr.com/photos/73866493@N00/152270663


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http://flickr.com/people/bpunkt/contacts/?see=friends

773 photos | view her profile


 **Indignant Chihuahua**
Wendy Ju
66 photos | view Indignant Chihuahua's profile

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(user_id= 79455386@N00)

copy to clipboard copy to wiki



Returns photo list XML
Optional arguments
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...



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Flickr: Contacts tippy tippy tepee

welcome to [tepee](#). go [home](#). list all [pages](#)

Ambidextrous_Photos

save

```
<!-- Pasted from API Explorer on Monday, 01/29/07, 4:40pm -->
<!-- visited page: http://flickr.com/people/bpunkt/contacts/?see=fri

<% Wiki.import :flickr_api #Import Flickr library code. %>

<h2> Scott's photos:</h2>
<%= photos1 = Wiki::FlickrAPI.photos.search(
  :user_id => "73866493@N00", :tags => "issue_4", :n => 5)
  photos1.to_html(:width=>100,:height=>100) %>
<h2> Phoebe's photos:</h2>
<%= photos2 = Wiki::FlickrAPI.photos.search(
  :user_id => "73866493@N00", :tags => "tech%20museum", :n =>
  photos2.to_html(:width=>100,:height=>100) %>
```

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http://valparaiso.stanford.edu:3300/Ambidextrous_Photos

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Ambidextrous_Photos

edit

Scott's photos:



Phoebe's photos:



Done

Disabled

Scenario

Hey, I could use one of them pages myself!



(cc) Images from Vin Crosbie and Riley Roxx, CrazyPixels, Pulpolux

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Ambidextrous_Photos

save **Remix!**

```
<!-- Pasted from API Explorer on Monday, 01/29/07, 4:40pm -->
<!-- visited page: http://flickr.com/people/bpunkt/contacts/?see=fri

<% Wiki.import :flickr_api #Import Flickr library code. %>

<h2> Scott's photos:</h2>
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  :user_id => "73866493@N00", :tags => "issue_4", :n => 5)
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<h2> Phoebe's photos:</h2>
<%= photos2 = Wiki::FlickrAPI.photos.search(
  :user_id => "73866493@N00", :tags => "tech%20museum", :n =>
  photos2.to_html(:width=>100,:height=>100) %>
```

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Flickr: Search your photos tippy tippy tepee

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Ambidextrous_Photo_Remix

save

```
<!-- Remixed from [[Ambidextrous_Photos]] -->

<% Wiki.import :flickr_api #Import Flickr library code. %>
<h2>My holiday pictures</h2>
<h3>Near Mammoth, CA:</h3>
<%= photos1 = Wiki::FlickrAPI.photos.search(
  :user_id => "73866493@N00", :tags => "independence", :n => 5
  photos1.to_html(:width=>100,:height=>100) %>
<h2>Montreal:</h2>
<%= photos2 = Wiki::FlickrAPI.photos.search(
  :user_id => "73866493@N00", :tags => "montreal", :n => 5)
  photos2.to_html(:width=>100,:height=>100) %>
```

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Ambidextrous_Photo_Remix edit

My holiday pictures

Near Mammoth, CA:



Montreal:



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**Does this
actually work?**

**Yeah,
kinda sorta.**

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Real code, running in a Ruby sandbox within the Wiki.

save

```
<!-- Remixed from [[Ambidextrous_Photos]] -->

<% Wiki.import :flickr_api #Import Flickr library code. %>
<h2>My holiday pictures</h2>
<h3> Near Mammoth, CA:</h3>
<%= photos1 = Wiki::FlickrAPI.photos.search(
      :user_id => "73866493@N00", :tags => "independence", :n => 5
      photos1.to_html(:width=>100,:height=>100) %>
<h2> Montreal:</h2>
<%= photos2 = Wiki::FlickrAPI.photos.search(
      :user_id => "73866493@N00", :tags => "montreal", :n => 5)
      photos2.to_html(:width=>100,:height=>100) %>
```

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Real code, running in a Ruby sandbox within the Wiki.

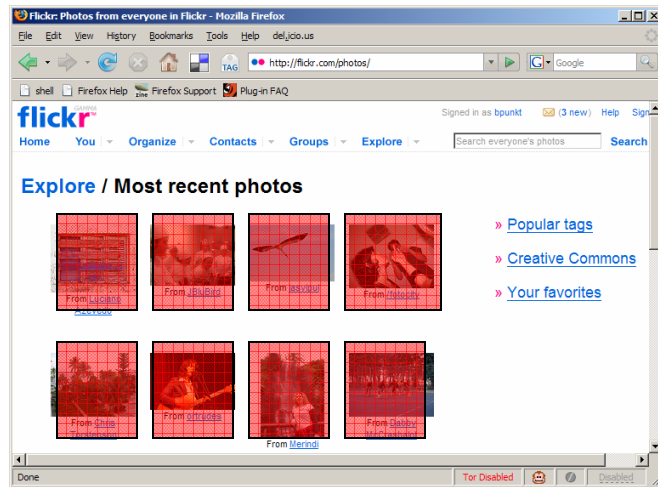
save

Another node in the wiki

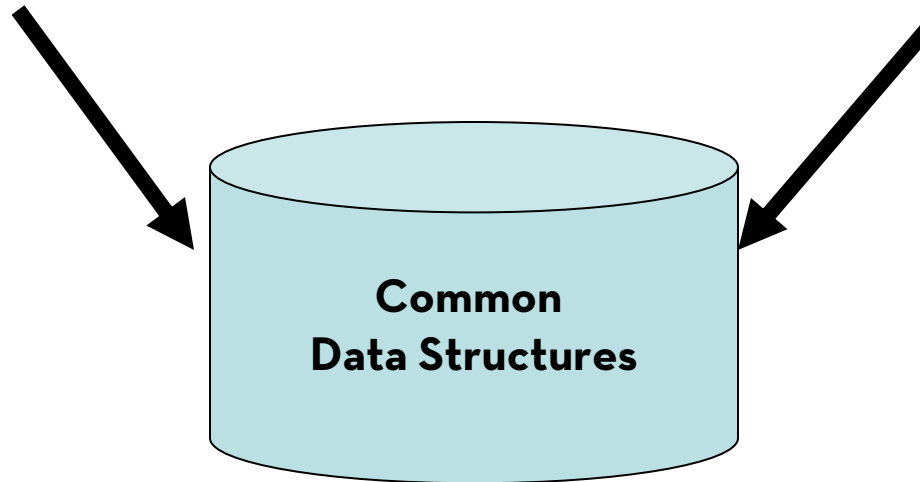
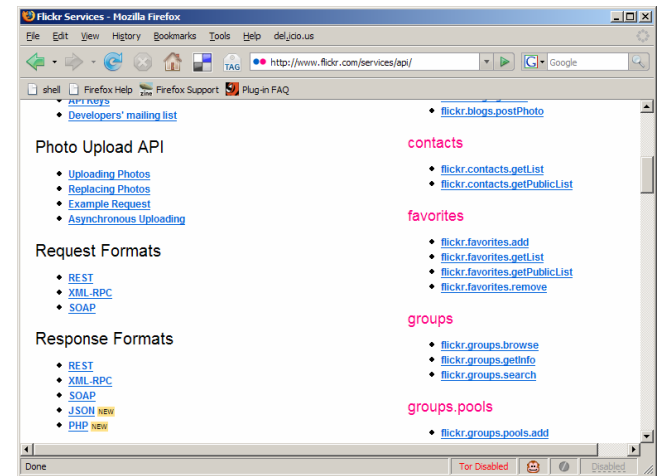
```
<!-- Remixed from [[Ambidextrous_Photos]] -->
<% Wiki.import :flickr_api #Import Flickr library code. %>
<h2>My holiday pictures</h2>
<h3> Near Mammoth, CA:</h3>
<%= photos1 = Wiki::FlickrAPI.photos.search(
      :user_id => "73866493@N00", :tags => "independence", :n => 5
      photos1.to_html(:width=>100,:height=>100) %>
<h2> Montreal:</h2>
<%= photos2 = Wiki::FlickrAPI.photos.search(
      :user_id => "73866493@N00", :tags => "montreal", :n => 5)
      photos2.to_html(:width=>100,:height=>100) %>
```

Done Disabled

Real proxy to inject HTML annotations, but fake example.



API Explorer
Proxy





Interested? Contact us at:
mashups@cs.stanford.edu