



Pipes and Y! Query Language (YQL)

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Apt near Park

How do you find an apartment *near* a park?

Apt near Park

- Apartment listings
 - For each apartment:
 - Click on map link or enter an address into a browser
 - Check distance to a park on the map
- Tedious

Apt near Park

- Data is available
 - Apartment RSS feeds, craigslist, backpage.com
 - Yahoo! Local API to find “things” like parks
- Can do it in about 50 lines of Perl code

```
#!/usr/bin/perl -w
use strict;
use LWP::Simple;
use XML::Simple;
...
```

Apt near Park

- Basically combine feeds + web services
- Yet another custom mashup
 - HousingMaps, ChicagoCrime, ...

- Would be nice if there was an easier way...

Pipes

```
grep -iv yahoo.com squid.log | sort |  
uniq -c | sort -n > top_sources.txt
```

- Unix Pipes for the Web
- Build useful applications from simple primitives

Pipes

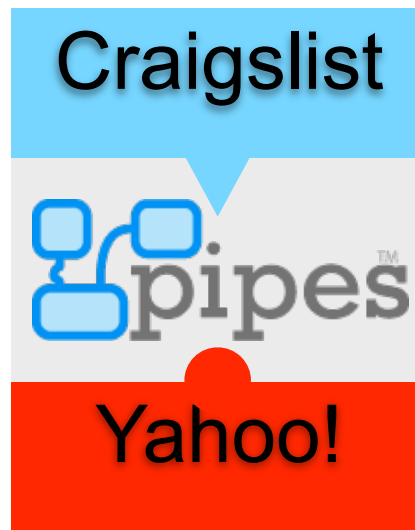
- A free service that lets you remix and create **data** mashups using a visual editor
- No need to host, we do it for you

Craigslist

Yahoo!

Pipes

- A free service that lets you remix and create **data** mashups using a visual editor
- No need to host, we do it for you



Demo

The screenshot shows the Pipes web application interface. The browser address bar displays the URL: `http://pipes.yahoo.com/pipes/1mrk8232xGjDdwXqlxGw/edit?opendesc=true`. The page title is "Apartment Near Something". The interface includes a sidebar with categories like Sources, User inputs, Operators, and My pipes. The main workspace contains a flowchart with the following components:

- Location Extractor**: A module that extracts location information from the input.
- Filter**: A module that filters items based on rules. The rule is: "v:title is greater than 80".
- Near what (text)**: A module that prompts for a location. The prompt is "Near what", the position is 2, and the default is "parks".
- For Each: Annotate**: A module that iterates over the input and sets an attribute. The attribute is "nearby" and the output is from "Yahoo! Local".
- Minimum distance (num)**: A module that sets a minimum distance. The name is "mindist", the prompt is "Minimum distance", and the position is 3.

The output of the pipeline is displayed in a list format:

Time taken: 0.632322s [Refresh](#)

- Looking for a room on the peninsula (palo alto) \$800
- Palo Alto Executive Living, 2Beds/1Bath/Garage (mountain view) \$1600 2bd
- Prime Executive Living in Palo Alto (los altos) \$1600 2bd
- 2Beds/1Bath:Private Garage/Balcony etc. (palo alto) \$1600 2bd
- Renovated Apartments Now Renting!! (palo alto) \$1731 2bd
- Private Cottage furnished room avail. April, 1 (palo alto) \$800
- GREAT LOCATION LOTS OF LIGHT IN PALO ALTO 2BD/2BTH (palo alto) \$1845 2bd
- **** AVAILABLE in MARCH **** (mountain view) \$1795 2bd
- Office space on El Camino in Palo Alto (palo alto) \$1400 920sqft
- PALO ALTO PLAZA GATED COM, GE APPL, POOL, SPA, FIT CTR, SUNNY FREE WI-FI (palo alto) \$1395
- Business: Auto Repair Shop for Sale (mountain view) \$80000 2500sqft



Piecing things together in the cloud

Any Input

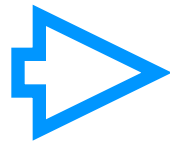
Craigslist

Yahoo!

Google

Ebay

Your data
here!



Any Output

Any Output

The screenshot shows a web browser window with the title "Apartment Near Something". The address bar contains a feed URL: "feed://pipes.yahoo.com/pipes/pipe.run?what=park&mindist=2&location=san+francisco%20". The page content is a feed of apartment listings. The first listing is titled "1 br available is 3br/1ba victorian (central and close to water) (SOMA / south beach) \$7..." and is dated "Today, 07:38 PM". The listing text includes a greeting "Hello," followed by details about a 3-bedroom victorian style apartment for rent, including a deposit of \$771.27 and monthly rent of \$721.27. It also mentions the location (SOMA), parking, and amenities. The second listing is titled "1br APRIL RENT FREE!!! One year lease (haight ashbury) \$825" and is dated "Today, 07:30 PM". The listing text describes a 4-bedroom house with a new lease starting in May, located near USF students, with a security deposit of \$1650. On the right side of the browser window, there is a sidebar with search and sorting options. The "Search Articles:" section has a search input field. The "Article Length:" section has a slider. The "Sort By:" section has options for "Date", "Title", "Source", and "New". The "Recent Articles:" section lists "All", "Today", "Yesterday", "Last Seven Days", "This Month", and "Last Month". The "Source:" section shows "Apartment Near So...". The "Actions:" section has "Mail Link to This Page" and "Add Bookmark...".

Apartment Near Something

6 Total

1 br available is 3br/1ba victorian (central and close to water) (SOMA / south beach) \$7... Today, 07:38 PM

Hello,

We are going to have an opening in a 3 bedroom victorian style apt. Rent for the available room is \$771.27/mo with a deposit of \$771.27 (the two occupied rooms are \$721.27 and \$771.27, for a total rent of \$2263.81). House bills run roughly \$55/person/mo + about \$35 for cleaning services. Move-in date is April 1st and we're looking for someone to stay for the month.

THE LOCATION: SOMA - We're nestled in a loft filled alley called Lansing which is off of 1st btw Folsom and Harrison. It's very close to all modes of transportation (transbay terminal, Montgomery or Embarcadero bart, caltrain, highway 80/baybridge). 15 min walk to the financial district, ~20 commute to eastbay, and right in the middle of many SOMA offices.

PARKING: street parking is fairly easy to come by, although it can be a bit difficult if you commute on a daily basis. A parking permit is recommended, which costs \$60/yr.

AMENITIES: The room is approx 13"x14" (seen in top 2 pics below), large built-in dresser and cupboards, no closet but it does have an armoire. The room gets a good amount of sunlight. We also have a large shared walk-in storage closet in the hallway. Hardwood floors throughout. We have a new washer and dryer, all new kitchen appliances, and a nice claw foot tub in the bathroom. All rooms have cable tv hook-up and also wireless cable internet access. Shared rooms include the kitchen, living room, and one bathroom.

ROOMIES: I'm a graphic designer, working at a law firm doing their marketing and PR. In my free time I love salsa dancing and hiking. I also have a very sweet and playful medium hair cat, Gauguin. He's still fairly young and has a lot of energy. He loves being around people and often makes his presence well know, although he's not a lap cat. Ying is a grad student at Berkeley. She also enjoys hiking and camping and the occasional shopping spree. We've been roommates for about a year and a half now and get along great (we also happen to have a great relationship with the landlord). We're both fairly laid back with easy going personalities. From time to time we have dinners together and also go out to movies, the theater or concerts. We're both in our early 30's. We don't smoke (anything!) or do any drugs and we will expect the same from our new roomie. We occasionally have small get-togethers with friends at the apt, but no major parties.

YOU: Please tell us a little about yourself... Your age (preferably in your 30's), what you do for a living, what you like to do for fun, your personality type, what type of roommate situation you're looking for, do you like cats, have you lived with a cat before.

We look forward to hearing from you!

Thanks,

Chantal & Ying [Read more...](#)

1br APRIL RENT FREE!!! One year lease (haight ashbury) \$825 Today, 07:30 PM

This is a 4br house and I am leaving the state at the beginning of April. There is a new lease coming up at the beginning of May. You can move in as soon as April 7th and not pay for April. You will be living with a third year law student at Hastings and two other roommates. This is a PRIME location for USF students. It is on Oak St two blocks down from Cha Cha Cha's. Security deposit is \$1650. Street parking is available. This is a beautiful location in the Upper Haight and a close walk to school.

Laundry included, hardwood floors, granite countertops, backyard, really nice landlord, and close muni access. Please contact by email asap to set up appointments. [Read more...](#)

Search Articles:
Article Length:
Sort By:
Date
Title
Source
New

Recent Articles:
All
Today
Yesterday
Last Seven Days
This Month
Last Month

Source:
Apartment Near So...

Actions:
Mail Link to This Page
Add Bookmark...



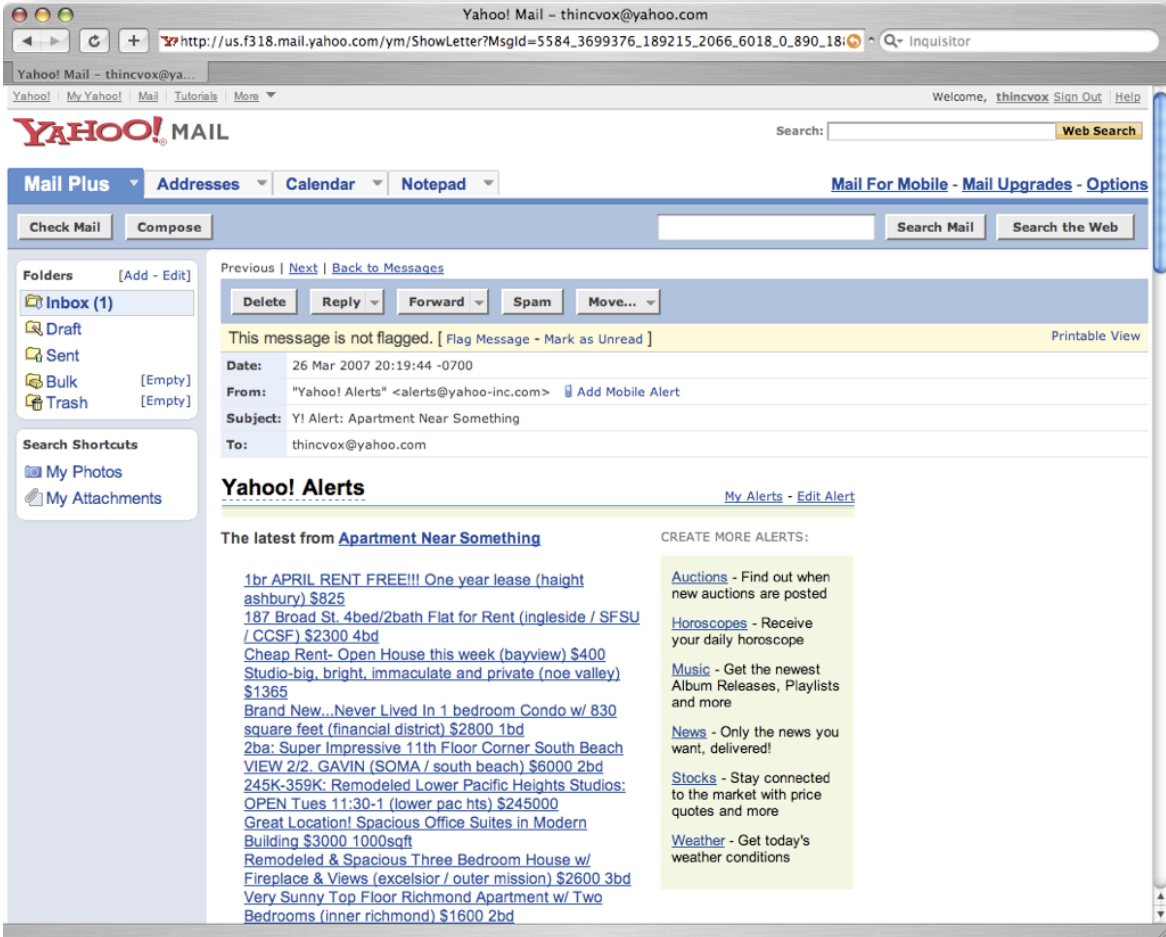
Any Output

```
pipe.run
1 {"count":6,"value":{"title":"Apartment Near Something","description":"Ever wanted to find an
apartment close to a park, a school or Whole Foods? Now you
can...","link":"http://pipes.yahoo.com/pipes/pipe.info?_id=1mr1k8232xGjJdDwXqIxGw","pubDate":"M
on, 26 Mar 2007 19:58:58
-0700","generator":"http://pipes.yahoo.com/pipes/","callback":"","items":[{"link":"http://sfb
ay.craigslist.org/sfc/roo/301061840.html","nearby":{"link":"http://local.yahoo.com/details?id=
21370452&stx=park&csz=San+Francisco+CA&ed=SGNhw160SyE3VbtI0u6sVnHreovG.xE4iq9Wwpss_u1ys
Nsnh6A8aFzFoTJ_.Fxoro7edIk","Categories":{"Category":[{"content":"Tourist
Attractions","id":"96926026"},"content":"Outdoor
Parks","id":"96928354"}]},"BusinessClickUrl":"http://www.sfgov.org/","Rating":{"LastReviewIntro
:"Golden Gate Park is a great place to go check out and visit anytime! See the Chinese Garden, the
Japanese Garden, the great American Bison, the Conservatory of Flowers, the Dutch windmill
w/flowers and or many of the other things in the park..and then go just down the road a bit to
check out Ocean Beach when you are all
done."},"TotalRatings":"7","LastReviewDate":"1172972754","AverageRating":"4","TotalReviews":"3"},"y:
location":{"country":null,"city":"San Francisco","lat":"37.772735","street":"501 Stanyan
St","postal":null,"lon":"-122.454438","quality":"100","state":"CA"},"Distance":"0.12","Phone":"(415
)
831-2700","ClickUrl":"http://local.yahoo.com/details?id=21370452&stx=park&csz=San+Franci
sco+CA&ed=SGNhw160SyE3VbtI0u6sVnHreovG.xE4iq9Wwpss_u1ysNsnh6A8aFzFoTJ_.Fxoro7edIk","MapUrl":"ht
tp://maps.yahoo.com/maps_result?name=Golden+Gate+Park+-+San+Francisco&desc=4158312700&csz
=San+Francisco+CA&qty=9&cs=9&ed=SGNhw160SyE3VbtI0u6sVnHreovG.xE4iq9Wwpss_u1ysNsnh6A8aFz
FoTJ_.Fxoro7edIk&gid1=21370452","BusinessUrl":"http://www.sfgov.org/","id":"21370452","title
":"Golden Gate Park - San Francisco"},"dc:title":"1br APRIL RENT FREE!!! One year lease (haigt
ashbury)
$825","dc:type":"text","dc:date":"2007-03-26T19:30:15-07:00","dc:language":"en-us","description":"T
his is a 4br house and I am leaving the state at the beginning of April. There is a new lease coming
up at the beginning of May. You can move in as soon as April 7th and not pay for April. You will be
living with a third year law student at Hastings and two other roommates. This is a PRIME location
for USF students. It is on Oak St two blocks down from Cha Cha Cha#39;s. Security deposit is
$1650. Street parking is available. This is a beautiful location in the Upper Haight and a close
walk to school. <br>\nLaundry included, hardwood floors, granite countertops, backyard, really nice
landlord, and close muni access. Please contact by email asap to set up
appointments."},"y:location":{"country":"United States","street":"2019 Oak
St","lat":"37.771179","postal":"94117","state":"CA","city":"San
Francisco","lon":"-122.452583","quality":"87"},"dc:rights":"Copyright \u00a9 2007 craigslist,
inc.,"rdf:about":"http://sfbay.craigslist.org/sfc/roo/301061840.html","y:title":"1br APRIL
RENT FREE!!! One year lease (haigt ashbury)
$825","dc:source":"http://sfbay.craigslist.org/sfc/roo/301061840.html","title":"1br APRIL RENT
FREE!!! One year lease (haigt ashbury)
$825","pubDate":"2007-03-26T19:30:15-07:00","y:published":{"hour":"2","timezone":"UTC","second":"15
","month":"3","minute":"30","utime":"1174962615","day":"27","day_of_week":"2","year":"2007"},"geo:la
t":"37.771179","geo:long":"-122.452583"},"link":"http://sfbay.craigslist.org/sfc/vpa/301061385.htm
l","nearby":{"link":"http://local.yahoo.com/details?id=23134331&stx=park&csz=CA&ed=C
```

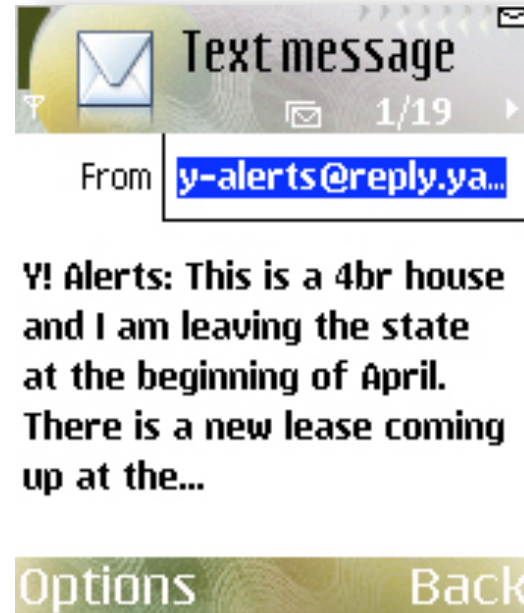
Line: 1 Column: 1 Plain Text Tab Size: 4



Any Output



Any Output



Any Output

The image shows a screenshot of the Widgetbox website's configuration interface for a widget. The browser window title is "Widgetbox > Edit Widget >". The URL is "http://www.widgetbox.com/blog_widget.action?b=gallery&reqB...". The page header features the "widgetbox" logo with the tagline "widgetizing the web".

The main section is titled "Make a Blidget" with the subtext "Instantly turn your site or blog into a widget and share it with the world". Below this, the "Blog URL" is set to "http://pipes.yahoo.com/pipes/pipe.info?_id=1m...".

The "Set up your blidget's default appearance. Users subscribing to you" section includes:

- Layout:** Two icons representing different widget layouts.
- Theme:** A grid of color swatches for the widget's theme.
- Display:** Radio buttons for "Headlines only" (selected) and "Headlines and articles", and a checkbox for "Show the first image in each post".

The "Choose your blidget's header style and details" section includes:

- Header Style:** Radio buttons for "Title & Image" (selected), "Title", and "Image".
- Title:** A text input field containing "Pipes: Apartment Near Something".
- Caption:** An empty text input field.
- Image:** A preview of the widget header showing a profile picture of a man with glasses and the "pipes" logo.

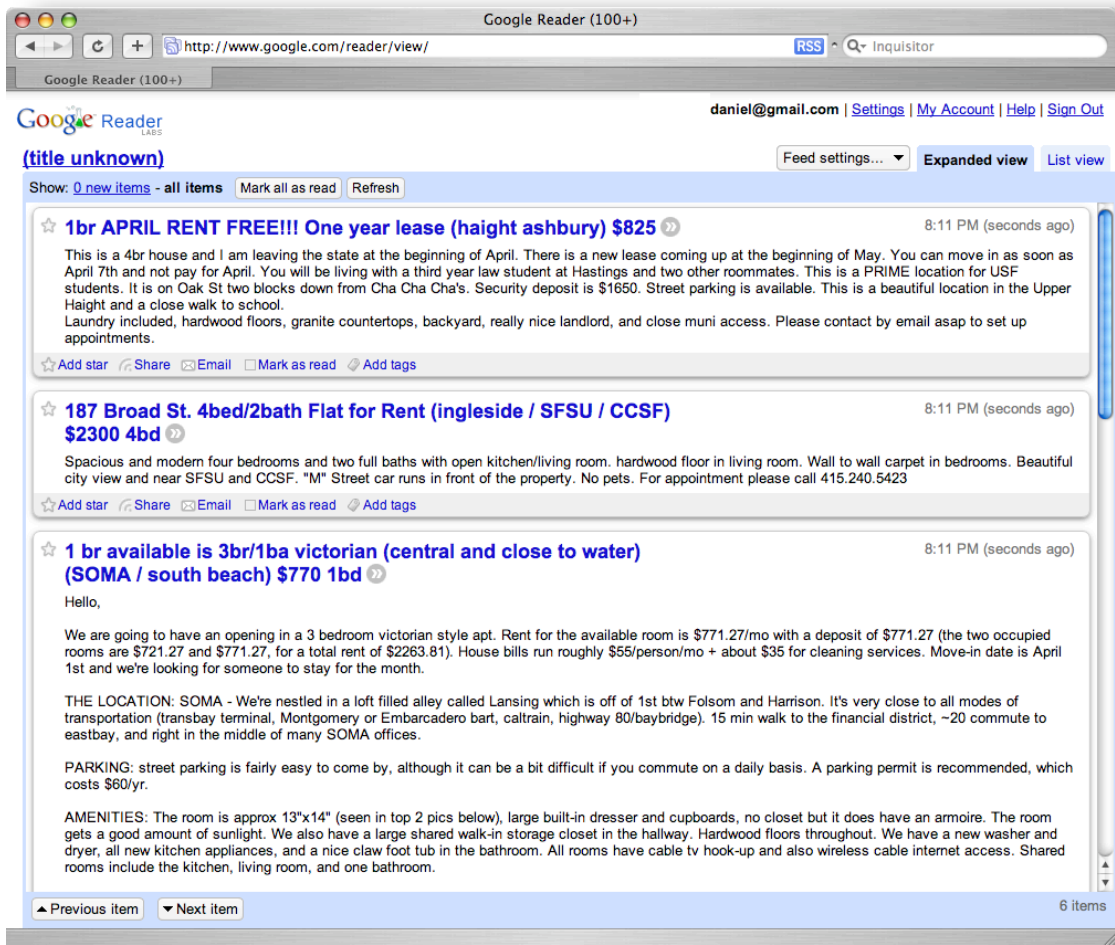
To the right of the configuration interface is a preview of the widget's output. The widget has a header with a profile picture and the title "Pipes: Apartment Near Something". Below the header is a section titled "Recent Posts" containing a list of apartment listings:

- 1br APRIL RENT FREE!!! One year lease (haight ashbury) \$825
- 187 Broad St. 4bed/2bath Flat for Rent (Ingleside / SFSU / CCSF) \$2300 4bd
- 1 br available is 3br/1ba victorian (central and close to water) (SOMA / south beach) \$770 1bd
- Studio-big, bright, immaculate and private (noe valley) \$1365
- Cheap Rent- Open

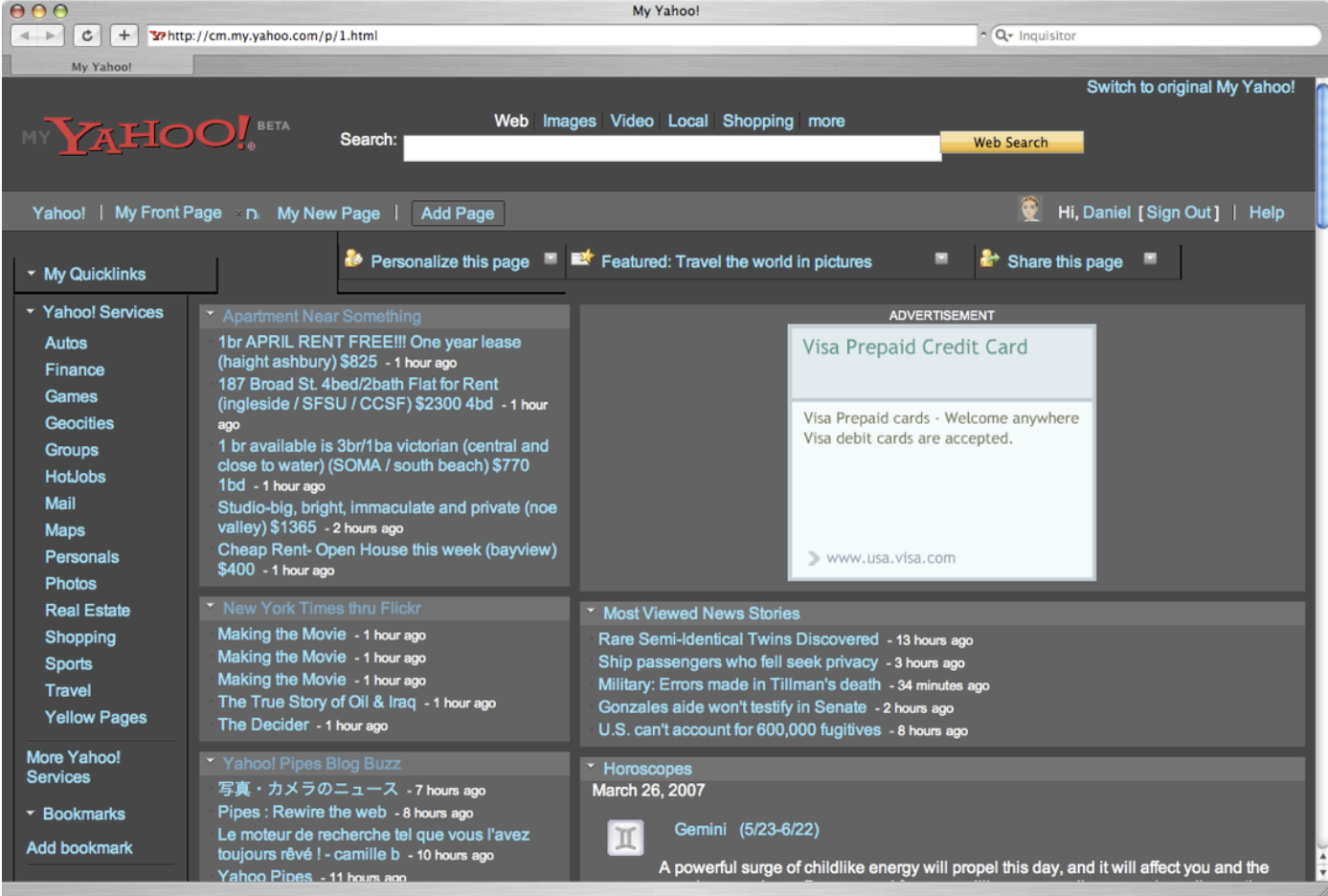
At the bottom of the widget preview is an "About" section.



Any Output



Any Output



Any Output

Pipes: Apartment Near Something

you're logged in as [thinvox](#) (logout)

Apartment Near Something

[Run this Pipe](#) [Clone](#)

PashaSadri

Ever wanted to find an apartment close to a park, a school or Whole Foods? Now you can...

Configure This Pipe

Find an apartment near what

Minimum distance (miles)

Where

Pipe Preview

[Subscribe ▾](#)

1br APRIL RENT FREE!!! One year lease (haight ashbury) \$825
This is a 4br house and I am leaving the state at the beginning of April. There is a new lease coming up at the beginning of May. You can move in as soon as April 7th and not pay for April. You will be living with a third year law student at Hastings and two other roommates. This is a PRIME location...

187 Broad St. 4bed/2bath Flat for Rent (Ingleside / SFSU / CCSF) \$2300 4bd
Spacious and modern four bedrooms and two full baths with open kitchen/living room, hardwood floor in living room. Wall to wall carpet in bedrooms. Beautiful city view and near SFSU and CCSF. "M" Street car runs in front of the property. No pets. For appointment please call 415.240.5423

1 br available is 3br/1ba victorian (central and close to water) (SOMA / south beach) \$770 1bd
Hello, We are going to have an opening in a 3 bedroom victorian style apt. Rent for the available room is \$771.27/mo with a deposit of \$771.27 (the two occupied rooms are \$721.27 and \$771.27, for a total rent of \$2263.81). House bills run roughly \$55/person/mo + about \$35 for cleaning services....

Studio-big, bright, immaculate and private (noe valley) \$1365
Ground floor studio in small quiet building. Central Noe Valley location with views and privacy. Suitable for one person. Approximately 650sf. Built-in custom maple cabinetry -- with queen size murphy bed, ample cedar lined closets/drawers and bookcases --is beautiful and space efficient....

Cheap Rent- Open House this week (bayview) \$400
\$400 rent- utilities not included. Open House this week: Thursday March 29th. from 7pm to 8pm at 871 Innes Ave San Francisco, CA 94124 Cozy room available from April til August. You will be sharing a three bedroom flat with one female and one male student in their mid 20's. What do you get for...

245K-359K: Remodeled Lower Pacific Heights Studios: OPEN Tues 11:30-1 (lower pac hts) \$245000
245-\$359k: 5 remodeled Lower Pac Heights studios - Open Sat & Sun 2162 Pine Street 5 TIC studios ranging from \$249,000 to \$359,000 mls #32006, 32007, 32011, 32012, 32013 for more photos and info, please visit <http://www.2162pine.com/> * 5 remodeled bright studios * Just steps to Upper Fillmore...

Tools [Get as RSS](#) [Get as JSON](#)

home
my pipes
browse pipes
create pipe
discuss
documentation

Search for Pipes...

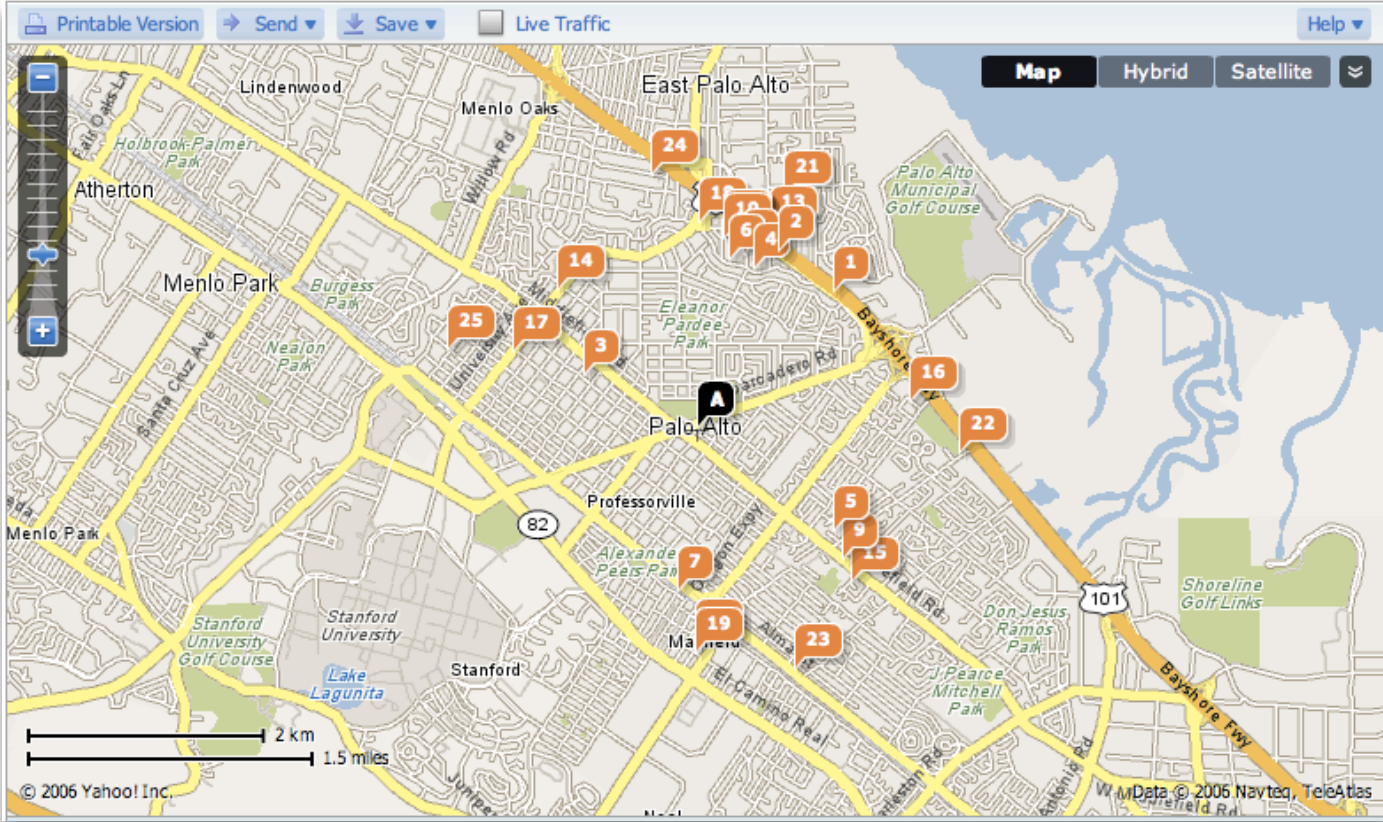
[Pipes is Hiring!](#)

how this pipe was made

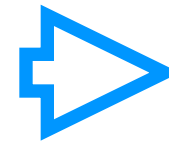
[view/edit pipe](#)



Any Output



Any Output



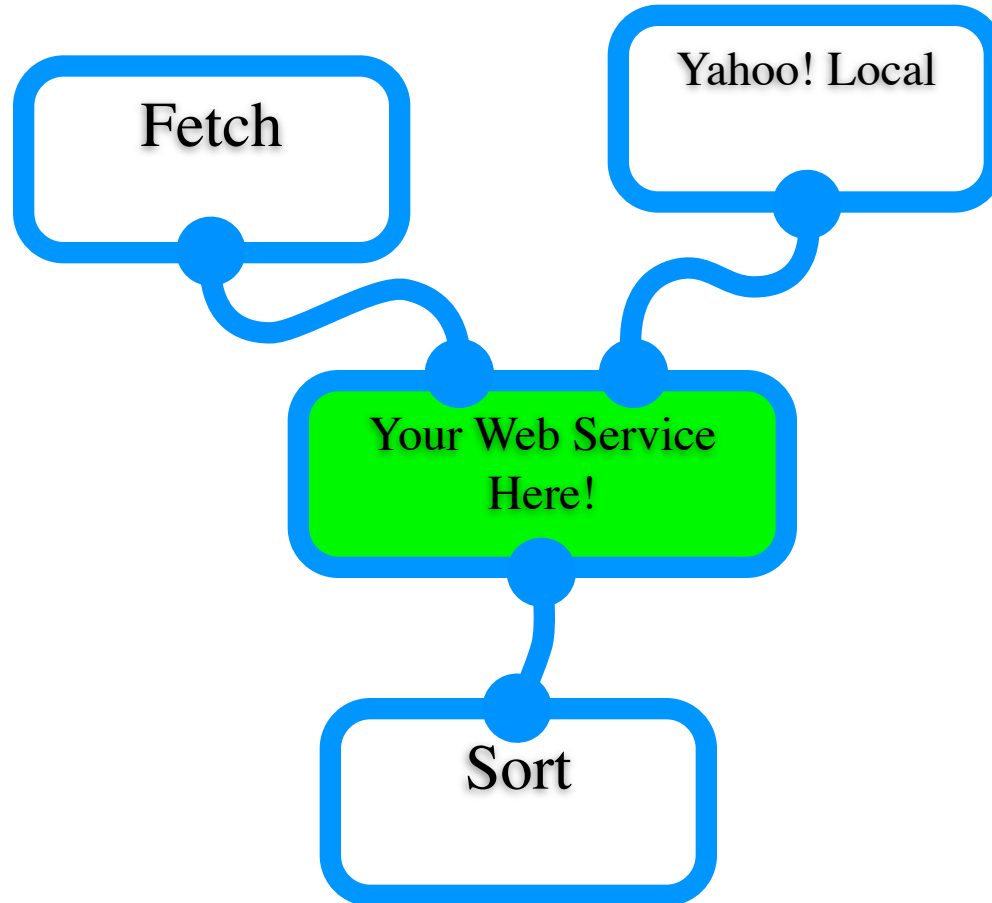
RSS

Badges

HTML

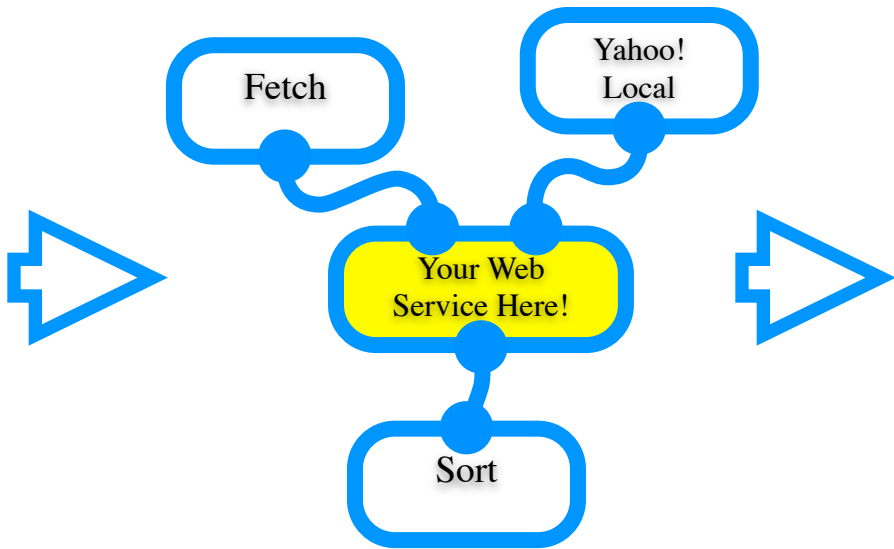
Your app
here!

Any Process



Openness

- Craigslist
- Yahoo!
- Google
- Ebay
- Your data here!



- RSS
- Badges
- HTML
- Your app here!



Hot Deals Search

- Searches across many different deal hunting sites on the internet looking for the best prices. You can search for particular items or just let the pipe find the best of what's available

The screenshot shows the pipes.com website. At the top, there are navigation links: Home, My Pipes, Browse, Discuss, Documentation, and a 'Create a pipe' button. A search bar is also present. Below the navigation, the 'Hot Deals Search' section is active. It shows the author 'ShivaHothu' and a list of deal sources including feedburner.com, techbargains.com, and others. The search filters are set to 'canon', 'camera', and 'sd'. A 'Run Pipe' button is visible. Below the filters, a list of deals is shown, including a Canon Digital Rebel XT 8MP Digital SLR Camera for \$424.67 and a Canon PowerShot SD750 Black 7.1 MP 3X Zoom Digital Camera for \$208.00.

The screenshot shows the Dell website product page for the Canon PowerShot SD750 Black 7.1 MP 3X Zoom Digital Camera. The price is \$208.00, marked down from \$250.00. The page includes a product image, a 'Customize It' button, and a 'Share This Product' link. On the right side, there are 'Customer Recommendations' for items like SanDisk 2 GB Secure Digital Memory Cards and Lowepro camera pouches. The 'Related Services' section offers extended service plans for the camera. The page also features a 'Dell recommends Windows Vista' banner at the top.



Geoannotated Reuters News

- Takes an RSS feed from the Reuters news service, and "geocodes" each item - making it possible to show where that news item is happening on a map of the world.


The screenshot displays a web application interface for "pipes". At the top, it shows the user is logged in as "jonathan_trevor". The main content area is titled "GeoAnotated Reuters News" and includes a description of the service, a search bar, and a "Map" button. A world map is shown with several red location markers. Below the map, a list of news items is visible, with the first item highlighted: "6. Turkey aims for targeted sanctions in Northern Iraq". To the right, a detailed view of this article is shown, featuring a Reuters logo, a "Were you there?" prompt, and the article text: "ANKARA (Reuters) - Turkey said on Thursday planned economic sanctions would only target outlawed Kurdish militants and groups providing them with support in northern Iraq." The article also includes a "RELATED VIDEO" section and a "MOST POPULAR ON REUTERS" sidebar.



Who's Viewed My LinkedIn Profile

beta pipes™ Home My Pipes Browse Discuss Documentation [Create a pipe](#)

You're logged in as [jonathan_trevor](#) (logout)



Author: **That Kid from Omaha**

Properties

Published on **02/21/08**
80 runs
1 clones

Bookmark / Share

Tags (5)

- [resume](#)
- [linkedin](#)
- [voyeur](#)
- [profile](#)
- [tracker](#)

Sources (1)

- [linkedin.com](#)

Modules (11) [more](#)

- [fetchdata](#)
- [regex](#)
- [rename](#)
- [textinput](#)
- [urlbuilder](#)

Who's Viewed My LinkedIn Profile

Get an RSS feed of the LinkedIn users viewing your LinkedIn profile. (Many thanks to Paul Donnelly and Jonathan Trevor for the workings of this Pipe.) Get your string by going to your "Who's Viewed My LinkedIn Profile" page on LinkedIn.com: "http://www.linkedin.com/static?key=wvmp_results&trk=ape_h071002i_9". View the source, find the URL associated with "block16" class, and extract the string in the URL after the 'equals' sign.

Pipe Web Address: <http://pipes.yahoo.com/mlaaker/linkedinviews>

[☆](#) [View Source](#) [Clone](#)

Configure this Pipe

LinkedIn string [Run Pipe](#)

Use this Pipe

- [MY Yahoo!](#)
- [Google](#)
- [Get results by Email or Phone](#)
- [More options](#)

List 5 items

- Someone in the Information Technology And Services industry**
Someone in the Information Technology And Services industry
- Someone in the Entertainment industry**
Someone in the Entertainment industry
- Visual Designer at Yahoo!**
Visual Designer at Yahoo!
- Someone in the Internet industry**
Someone in the Internet industry
- Assistant Vice President at Merrill Lynch**
Assistant Vice President at Merrill Lynch



Kiva Loans by Location

- Gets a list of the micro-loans people have been making through the Kiva site, and shows the amazing variety of people and places that these loan are helping out.

Kiva Loans by Location
 This pipe takes a listing of open microloans on <http://www.kiva.org/> and GeoCodes each item based on the nationality of the entrepreneur requesting a loan. The end result allows users to browse a interactive Yahoo! map to see where Kiva is currently fund-raising.

Published on 05/04/07
 3254 runs
 163 clones

Tags (2)
 kiva
 georss

Sources (2)
 kiva.org
 socialology.org

Modules (7)
 fetch
 regex
 rename
 uniq
 truncate
 geotag
 foreachannotate

5. Hafez Zayter : Lebanon
 \$350 of \$1,000 raised. Started raising funds on Oct 31, 2007 Hafez lives with his wife and their 2 lovely children the Beirut suburb of Laylaki. He is 36 years old and is taking the initiative to use a loan so he can make his business more efficient. Hafez repairs car wheels and with new...

KIVA loans that change lives

LEND ABOUT JOURNALS MY PORTFOLIO

Hafez Zayter

Make a loan

\$1,000.00	Loan Request
\$400.00	Raised so far
\$600.00	still needed

LEND NOW

29 days left

About the Entrepreneur

Name: Hafez Zayter
 Location: Borj Barajneh, Lebanon
 Primary Activity: Auto Repair
 Loan Requested: \$1,000.00
 Repayment Term: 12 months - repaid monthly
 Loan Use: to buy the necessary material to enhance his productivity in fixing wheels
 Date Posted: Oct 31, 2007

About the Field Partner


Al Mojmoura


Hafez lives with his wife and their 2 lovely children in the Beirut suburb of Laylaki. He is 36 years old and is taking the initiative to use a loan so he can make his business more efficient. Hafez repairs car wheels and with new materials he can improve his productivity and therefore generate more revenues so he can increase his family livelihood.

[RSS](#) [Subscribe](#)



Yahoo! Buzz Image Search

Home My Pipes Browse Discuss Documentation [Create a pipe](#) You're logged in as [jonathan_trevor](#) (logout)

Author:
[Paul Donnelly](#)


Properties

Published on **03/03/08**

134 runs

1 clones

Bookmark / Share



Tags (1)

[buzz](#)

Sources (2)

[yahoo.com](#)
[buzz.yahoo.com](#)

Modules (5)

[fetch](#)
[regex](#)
[subpipe](#)
[substr](#)
[loop](#)

Yahoo! Buzz Image Search

Did you love [buzz.yahoo.com](#)? (using feed from: <http://buzzlog.buzz.yahoo.com/>) If so, didnt' you ever want to see a picture associated with those top 15 buzz items? This pipe shows 5 images (if available) associated with each buzz item in the description field when exported to RSS/JSON. (More options -> [Get as RSS](#)) Here ya go..

Pipe Web Address: <http://pipes.yahoo.com/31337/ybuzzimagesearch>

[View Source](#) [Clone](#)

Use this Pipe


[Get results by Email or Phone](#) [More options](#)

List


15 items

- ### 1. Living Goddess


99999.00% 9 The living goddess bk_ayurcookwesterner.. 03-Jun-2006 14:14 16k om_scarf.jpg 31-Mar-2007 11:57 16k bk_living_goddess.jpg 23-Jun-2006 09:39 16k henna_kit.jpg 03-Jun-2006 14:22 17k kat-street.gif 20 May 01 12:13 45.9Kb kidsplay.gif 20 May 01 12:12 58.2Kb kyrgyz.jpg 17 Jun 01 06:10 93.3Kb...



- ### 2. Real Housewives Of New York City

99999.00% Matthew A View all 1 user reviews


- ### 3. Highest Paying Jobs

12268.23% career path (allowing you with the opportunity to save \$15,000 USD a year), and a chance to gain international experience. Highlights: Why Teach English in Korea?- Annual salary of US \$26-35K at 30 hrs/wk Highest Paying Jobs by





Yahoo Finance Stock Quote Watch List Feed w/ Chart

Yahoo Finance Stock Quote Watch List Feed w/Chart

Build your own watch list. Currently displays last quote and chart. View-source and customize as needed.

Pipe Web Address: <http://pipes.yahoo.com/31337/watchlist>

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List 8 items

YHOO - last: \$28.63 @ 3:10pm EST
last: \$28.63 @ 3:10pm EST

YAHOO INC 5-Mar 4:00pm

28.8
28.6
28.4
28.2
28.0
28.0
10am 12pm 2pm 4pm

Millions
1.5
1.0
0.5
0.0

Volume

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GOOG - last: \$448.13 @ 3:10pm EST
last: \$448.13 @ 3:10pm EST




Contact's Favorite's

Feed settings... Expanded view List view


Show: 0 new items - [all items](#) Mark all as read Refresh

☆ ***Sakura*'s faves** 11:33 AM (seconds ago)



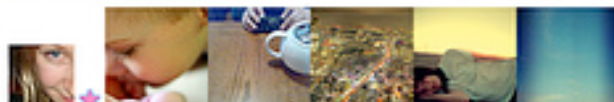
☆ Add star Share Email (Updated) Mark as read Add tags

☆ **.schill's faves** 11:33 AM (seconds ago)



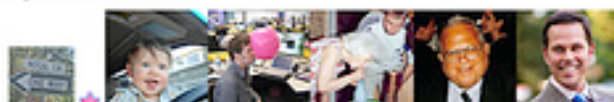
☆ Add star Share Email (Updated) Mark as read Add tags

☆ **Annelogue's faves** 11:33 AM (seconds ago)



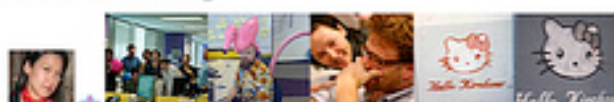
☆ Add star Share Email (Updated) Mark as read Add tags

☆ **aplatti's faves** 11:33 AM (seconds ago)



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☆ **bluemaria's faves** 11:33 AM (seconds ago)



Yahoo Unanswered Questions

- Finds those questions in the Y! answers site that don't currently have an answer - so you can show how smart you are and answer those tricky questions.

beta pipes™ Home My Pipes Browse Discuss Documentation Create a pipe Search for Pipes...

You're logged in as jonathan_trevor (logout)

Author: Patrick Hunt

Yahoo Unanswered Questions

The idea behind this mash-up is to find questions that aren't getting answers (usually these are the tougher ones to answer) - I remove questions from the result that have been asked within the last 5 hrs (I'm tweaking that's what I have right now). So if a question is older than 5 hrs and it doesn't yet have an answer you'll list.

☆ View Source Clone

Query cars Run Pipe

MY YAHOO! Add to Google Get results by Email or Phone More options

List

Bonnie and Clyde are sliding 390 kg bank safe across the floor to their getaway car.?
The safe slides with a constant speed if Clyde pushes from behind with 390N of force while Bonnie pulls forward with 245 N of force. What is the safe's coefficient of kinetic friction on the bank floor?

Car shakes when backing up and idle is low Camry?
hi,my car idle is low when I start it up and when I back up my car it starts to shake. The only way I can stop it to the gas pedal at least 1 minute and after that the idle goes from low to high. What is the possible cause for this Toyota Camry 97 and what is the estimate price...

Car racing poster title???????
I have made a poster that contains the cars. the poster is for a game of car race.I want to GET A APPROPRIATE for this poster. ITS URGENT, NEED IT TOMORROW. Please help me out.....

Which is the best touring car championship in the world and why?

when will u be able to buy the wang car dealer. its colored red now... cant buy... so, when can i
this is a question for GTA san andreas

I am driving OPC car looking for an income at night?

Yahoo! My Yahoo! Mail Search: Web Search

YAHOO! ANSWERS Welcome, jonathan_trevor [Sign Out, My Account] Answers Home - Forum - Blog - Help

ask. answer. discover.

Search for questions: Search Advanced My Profile

Home > Education & Reference > Homework Help > Open Question

Open Question Show me another »

Paul T

Bonnie and Clyde are sliding 390 kg bank safe across the floor to their getaway car.?

The safe slides with a constant speed if Clyde pushes from behind with 390N of force while Bonnie pulls forward on a rope with 245 N of force. What is the safe's coefficient of kinetic friction on the bank floor?

20 hours ago - 3 days left to answer.

Answer this Question Report It

Interesting! Email Save

Answers (0)

Be the first to answer this question.

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 - Preschool
 - Primary & Secondary Education
 - Quotations
 - Special Education
 - Standards & Testing
 - Studying Abroad
 - Teaching
 - Trivia



Babbler by Max Case

- Translates IM messages in Second Life

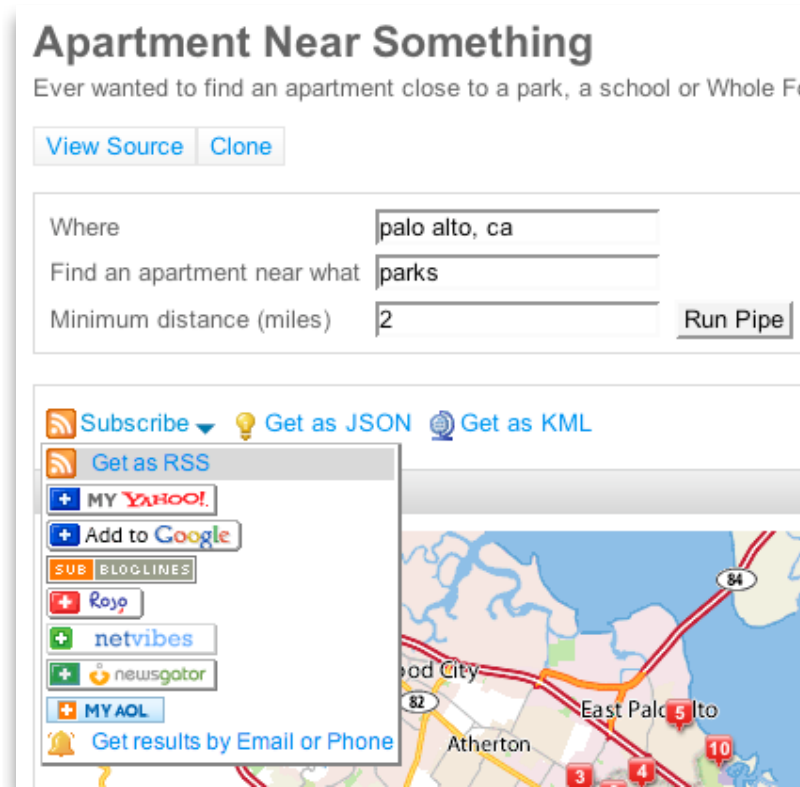


Advantages to developers

- Why use an online service to do this?
 - Leveraging large infrastructure
 - Faster access to network resources
 - Faster access to network services
 - System-wide knowledge
 - Leverage inter-organizational agreements
 - Easy to “string” together with other services
 - Easy to use (REST-style URLs)

Run / Get the data

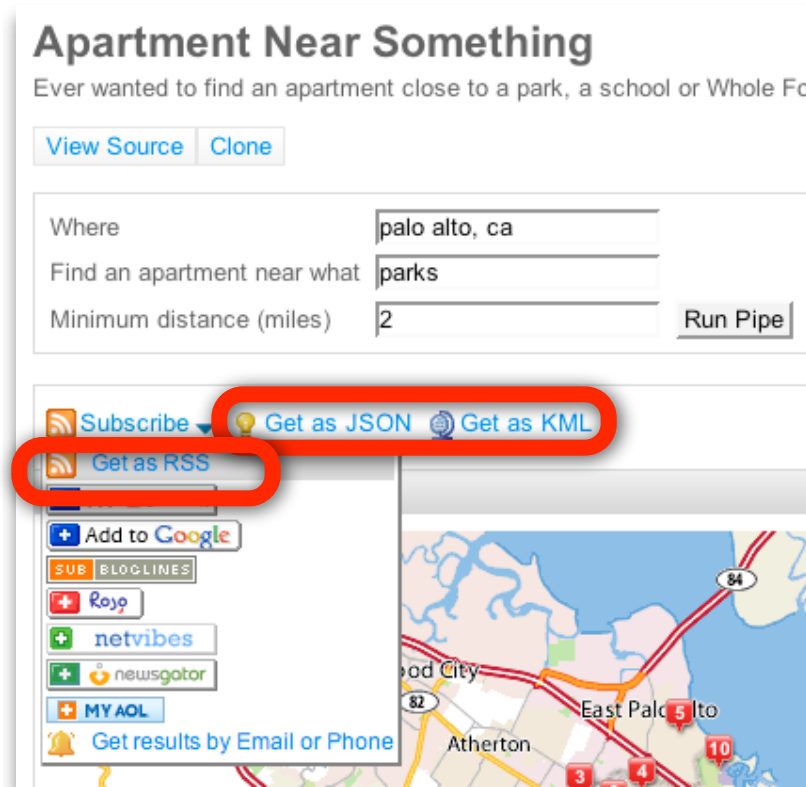
- Each Pipe gets its own “hosted” page



- Use the REST-style URLs to get the data

Run / Get the data

- Each Pipe gets its own “hosted” page




- Use the REST-style URLs to get the data

Edit REST-style queries

```
http://pipes.yahoo.com/pipes/pipe.run?  
_id=1mrlkB232xGjJDdwXqIxGw  
&_render=json  
&location=palo+alto%2C+ca  
&mindist=2  
&what=parks  
&_callback=foofunction
```

The ID of the Pipe



Edit REST-style queries

```
http://pipes.yahoo.com/pipes/pipe.run?  
_id=1mrlkB232xGjJDdwXqIxGw  
&_render=json  
&location=palo+alto%2C+ca  
&mindist=2  
&what=parks  
&_callback=foofunction
```

The format of the output (rss, json, kml, ical, csv)

Edit REST-style queries

```
http://pipes.yahoo.com/pipes/pipe.run?  
_id=1mrlkB232xGjJDdwXqIxGw  
&_render=json  
&location=palo+alto%2C+ca  
&mindist=2  
&what=parks  
&_callback=foofunction
```

The per Pipe user customizable parameters

Edit REST-style queries

```
http://pipes.yahoo.com/pipes/pipe.run?  
_id=1mrlkB232xGjJDdwXqIxGw  
&_render=json  
&location=palo+alto%2C+ca  
&mindist=2  
&what=parks  
&_callback=foofunction
```

Optional JSONP callback function

A year and a half in the wild: a few observations and lessons

- 20+ releases, 600k+ Pipes later
- Unexpected breadth
 - Experts who want to exploit the service
 - Non-programers with much simpler needs

Web addressable data...

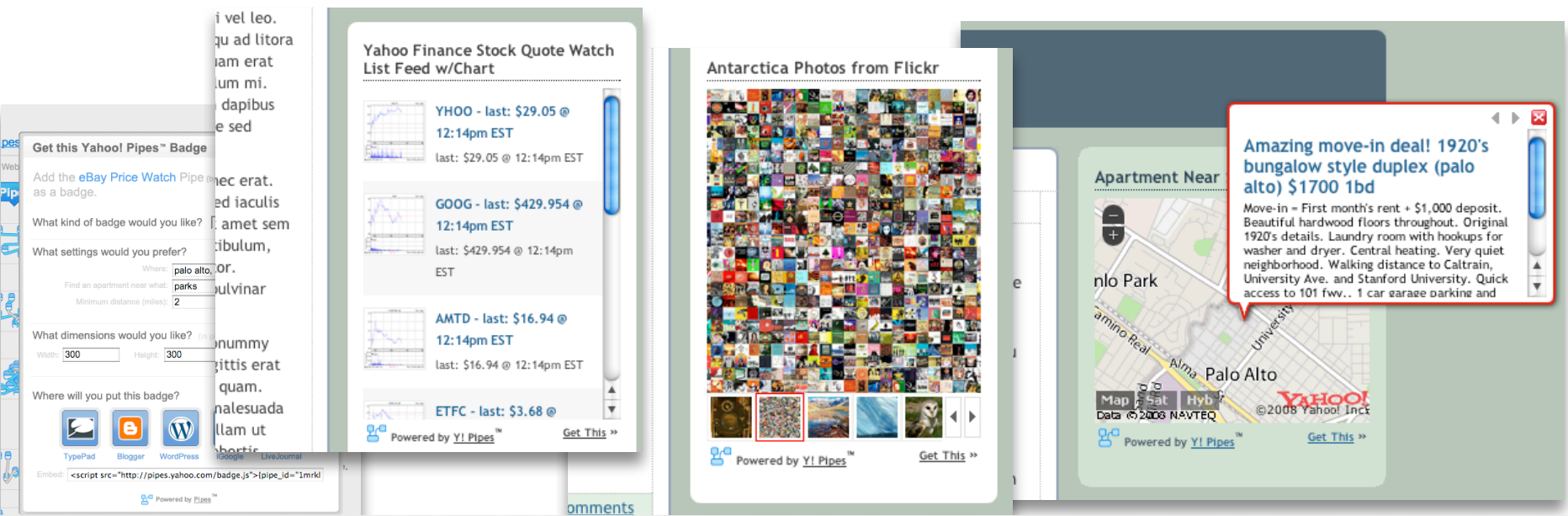
- is very malformed
- can be slow
- needs considerate access
- can be untrustworthy
- can be inaccessible from “here” (behind firewall etc)

Data in the Engine...

- is “cleaned” (and repaired) into UTF-8
- is cached for
 - performance
 - playing well with others
 - several HTTP proxy layers
 - serve stale and force caching
- is “sanitized”

Making it easy to consume

- Its easy to make useful data in the cloud
 - Its not easy enough (for many) to use it after
 - Visualization beyond lists in RSS readers
- Badges are frequently requested
- Three variants for common types of data in Pipes



Typical Pipes/mashups

- Four types of mashup
 - Feed aggregation with filtering
 - Two-source mashups
 - Data transformation and geocoding
 - Complex mashups using REST APIs
- Geocoding remains a “mashup” favorite

Reasons for adoption

- Lower barrier to use
 - Graphical editor made it quick to write Pipes, attracted non-developers
 - “View Source” and “Clone” for learning/tweaking
- Wide array of data input formats and data output formats enabled Pipes to become a useful “component” in a larger ecology
- Web 2.0 responsiveness to community

Inaccessible data

- Lots of requests for more rich and personal data
 - Text documents, word documents, mail, Excel spreadsheets
 - Also organizational data
- Workarounds (to some) emerged
 - Online spreadsheets, calendars (gcal) with private RSS feeds and so on

Power...

- We started by focusing on RSS
 - high-level building blocks and operations
 - good for common tasks and novice users
- We listened to our user's desires

...vs Complexity

- Added sources for parsing JSON, XML, CSV, ICAL ...
- Added modules that could do more and be combined in many ways
- At the cost of simplicity
 - Harder to explain, use, compose
 - Stretching the capabilities of many users and a visual development environment

Yahoo! Query Language (YQL)

- Part of the recent Y!OS release
 - Social APIs, Universal profile, Application platform...
- Mediator service that enables developers to query, filter and combine Y! data and beyond
 - Yahoo! web services and any URL-addressable structured data sources
- Exposes a SQL-like SELECT syntax that is both familiar to developers and expressive enough for getting the right data
 - YQL operates on hierarchical documents, not relational tuples
- Like Pipes but with a simple textual language

The language and service

- Provides three SQL-like statements:
SELECT, SHOW, DESC
- Single URL endpoint for executing everything
 - Mix and match external data and Yahoo! APIs

<http://query.yahooapis.com/v1/yql?q=show%20tables>

- Uses Oauth for authentication
 - Open standard that enables users to grant applications access to (selected) private data

Testing your queries: interactive console

YAHOO! DEVELOPER NETWORK | jonathan_trevor | Sign Out | HOME | MY PROJECTS

YDN / Yahoo! Query Language / Console

show tables

XML JSON

http://yosbeta.pipes.yahoo.com/pipes/yql?q=show%20tables%0A%0A&format=json&callback=cbfunc

Recent Queries

Example Queries

- Sample rss 1
- Sample rss 2
- select * from social.profile
- select * from social.conne
- select * from social.update

Available Data Tables

- social
 - social.connections
 - social.contacts
 - social.profile
 - social.updates
- flickr
- geo
- local
- search
- upcoming
- weather
- data
 - atom
 - json
 - rss
 - xml

FORMATTED VIEW | TREE VIEW

```
query
├── count : 0
├── created : 2008-08-29T09:04:08Z
├── lang : en-US
├── updated : 2008-08-29T09:04:08Z
├── uri : http://yosbeta.pipes.yahoo.com/pipes/yql/show%20tables
└── results
    ├── tables
    │   └── table
    │       ├── 0 : atom
    │       ├── 1 : flickr.location
    │       ├── 2 : flickr.photos.exif
    │       ├── 3 : flickr.photos.info
    │       ├── 4 : flickr.photos.interestingness
    │       ├── 5 : flickr.photos.recent
    │       ├── 6 : flickr.photos.search
    │       ├── 7 : flickr.places
    │       ├── 8 : geo.places
    │       └── 9 : geo.placetypes
```

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```
select * from social.profile where guid = me
```

TEST

 XML JSON

```
http://query.yahooapis.com/v1/yql?q=select%20*%20from%20social.profile%20%3D%20me&format=xml
```

COPY URL

FORMATTED VIEW

TREE VIEW

```
<?xml version="1.0" encoding="UTF-8"?>
<query xmlns:yahoo="http://www.yahooapis.com/v1/base.rng" yahoo:count="1" yahoo:created="2008-09-30T02:46:57Z" yahoo:
  <diagnostics>
    <url execution-time="162">http://social.yahooapis.com/v1/user/UNOY4FVPZVTT7C7KGLGZY4SIRM/profile</url>
    <user-time>353</user-time>
    <service-time>162</service-time>
    <build-version>2008.09.25.09:48</build-version>
  </diagnostics>
  <results>
    <profile xmlns="http://social.yahooapis.com/v1/schema.rng">
      <guid>UNOY4FVPZVTT7C7KGLGZY4SIRM</guid>
      <created>2008-08-12T17:17:18Z</created>
      <familyName>Trevor</familyName>
      <gender>M</gender>
      <givenName>Jonathan</givenName>
      <image>
        <height>192</height>
        <imageUrl>http://l.yimg.com/us.yimg.com/i/identity/nopic_192.gif</imageUrl>
        <size>192x192</size>
      </image>
      <location/>
      <nickname>JonathanT</nickname>
      <profileUrl>http://yosint.profiles.yahoo.com/u/UNOY4FVPZVTT7C7KGLGZY4SIRM</profileUrl>
      <isConnected>true</isConnected>
    </profile>
  </results>
</query>
```

```
select * from social.updates where guid=me
```

```
http://query.yahooapis.com
/v1/yql?q=select%20*%20from%20social.upda
format=xml
```

TEST

 XML JSON

COPY URL

FORMATTED VIEW

TREE VIEW

```
<?xml version="1.0" encoding="UTF-8"?>
<query xmlns:yahoo="http://www.yahooapis.com/v1/base.rng" yahoo:count="10" yahoo:created="2008-09-30T02:48:11Z" ya
  <diagnostics>
    <url execution-time="460">http://ws.yosint.vita.spl.yahoo.com/v1/user/UNOY4FVPZVTT7C7KGLGZY4SIRM/updates?format=
    <user-time>715</user-time>
    <service-time>460</service-time>
    <build-version>2008.09.25.09:48</build-version>
  </diagnostics>
  <results>
    <update xmlns="http://social.yahooapis.com/v1/updates/schema.rng" xmlns:yahoo="http://soc
      <ACL><![CDATA[ cxn ]]></ACL>
      <class><![CDATA[ install ]]></class>
      <collectionID><![CDATA[ UNOY4FVPZVTT7C7KGLGZY4SIRM ]]></collectionID>
      <collectionType><![CDATA[ guid ]]></collectionType>
      <description><![CDATA[ JonathanT has installed Performance10_yesOS ]]></description>
      <intl><![CDATA[ us ]]></intl>
      <ip><![CDATA[ 209.131.62.113 ]]></ip>
      <language><![CDATA[ en ]]></language>
      <lastUpdated><![CDATA[ 1219185241 ]]></lastUpdated>
      <lastUpdatedTime><![CDATA[ 2008-08-19T22:34:01Z ]]></lastUpdatedTime>
      <link><![CDATA[ http://us.rd.yahoo.com//Updates/APP.-CNTNR44/update/SIG=17jqefj52/*http%3A//yosint.apps.yahoo
      <loc_gender><![CDATA[ Male ]]></loc_gender>
      <loc_iconURL><![CDATA[ http://static.wakoopa.com/images/software/13420/thumb/picture.png ]]></loc_iconURL>
      <loc_localizedName><![CDATA[ YAP App ]]></loc_localizedName>
      <loc_longForm><![CDATA[ JonathanT updated App Install ]]></loc_longForm>
      <loc_longFormRaw><![CDATA[ {profile_nickname} updated {title} ]]></loc_longFormRaw>
      <loc_oneWord><![CDATA[ Update ]]></loc_oneWord>
      <loc_topLevelURL><![CDATA[ http://apps.yahoo.com ]]></loc_topLevelURL>
      <profile_created><![CDATA[ 2008-08-12T17:17:18Z ]]></profile_created>
      <profile_displayImage><![CDATA[ http://1.yimg.com/us.yimg.com/i/identity/nopic_192.gif ]]></profile_displayIma
      <profile_displayImageSize><![CDATA[ 192x192 ]]></profile_displayImageSize>
```

```
select * from social.connections where owner_guid=me
```

```
http://query.yahooapis.com/v1/yql?q=select%20*%20from%20social.conn%20format=xml
```

TEST

 XML JSON

COPY URL

FORMATTED VIEW

TREE VIEW

```
<?xml version="1.0" encoding="UTF-8"?>
<query xmlns:yahoo="http://www.yahooapis.com/v1/base.rng" yahoo:count="5" yahoo:created="2008-09-30T02:48:54Z" yahoo:
  <diagnostics>
    <url execution-time="185">http://ws.yosint.socdir.sp1.yahoo.com:4080/v1/user/UNOY4FVPZVTT7C7KGLGZY4SIRM/connecti
    <user-time>221</user-time>
    <service-time>185</service-time>
    <build-version>2008.09.25.09:48</build-version>
  </diagnostics>
  <results>
    <connection xmlns="http://social.yahooapis.com/v1/schema.rng" yahoo:created="2008-08-28T20:52:06Z"
      <guid>54DY7TNQ6ZMUWA5C6EWEGFDAWY</guid>
      <contactId>0</contactId>
    </connection>
    <connection xmlns="http://social.yahooapis.com/v1/schema.rng" yahoo:created="2008-08-25T19:52:07Z"
      <guid>7C7SIF3MMHEOH3MJ5HYPYQQVQI</guid>
      <contactId>1</contactId>
    </connection>
    <connection xmlns="http://social.yahooapis.com/v1/schema.rng" yahoo:created="2008-08-28T20:52:06Z"
      <guid>GAUV42G4YMW0YCRCG7DP5PJJ6U</guid>
      <contactId>0</contactId>
    </connection>
    <connection xmlns="http://social.yahooapis.com/v1/schema.rng" yahoo:created="2008-08-28T20:52:06Z"
      <guid>PLQBS2ATTNUELZMA2QNTF2I6RI</guid>
      <contactId>0</contactId>
    </connection>
    <connection xmlns="http://social.yahooapis.com/v1/schema.rng" yahoo:created="2008-08-28T20:52:06Z"
      <guid>ZJP7P4HM2PGEZLGNXAMSO4Z5TM</guid>
      <contactId>0</contactId>
    </connection>
  </results>
</query>
```

```
select * from social.profile where guid in (select guid
from social.connections where owner_guid=me)
```

```
http://query.yahooapis.com
/v1/yql?q=select%20*%20from%20social.profil
format=xml
```

TEST

 XML JSON

COPY URL

FORMATTED VIEW

TREE VIEW

```
<?xml version="1.0" encoding="UTF-8"?>
<query xmlns:yahoo="http://www.yahooapis.com/v1/base.rng" yahoo:count="5" yahoo:created="2008-09-30T02:49:28Z" yahoo:
<diagnostics>
  <url execution-time="170">http://ws.yosint.socdir.spl.yahoo.com:4080/v1/user/UNOY4FVPZVTT7C7KGLGZY4SIRM/connecti
  <url execution-time="162">http://social.yahooapis.com/v1/user/PLQBS2ATTNUELZMA2QNTF2I6RI/profile</url>
  <url execution-time="156">http://social.yahooapis.com/v1/user/GAUV42G4YMWOYCRCG7DP5PJJ6U/profile</url>
  <url execution-time="160">http://social.yahooapis.com/v1/user/7C7SIF3MMHEOH3MJ5HYPYQQVQI/profile</url>
  <url execution-time="165">http://social.yahooapis.com/v1/user/54DY7TNQ6ZMUWA5C6EWEGFDAWY/profile</url>
  <url execution-time="164">http://social.yahooapis.com/v1/user/ZJP7P4HM2PGEZLGNXAMSO4Z5TM/profile</url>
  <user-time>557</user-time>
  <service-time>977</service-time>
  <build-version>2008.09.25.09:48</build-version>
</diagnostics>
<results>
  <profile xmlns="http://social.yahooapis.com/v1/schema.rng">
    <guid>PLQBS2ATTNUELZMA2QNTF2I6RI</guid>
    <created>2008-08-21T00:11:49Z</created>
    <familyName>Doe</familyName>
    <gender>M</gender>
    <givenName>John</givenName>
    <image>
      <height>192</height>
      <imageUrl>http://l.yimg.com/us.yimg.com/i/identity/nopic_192.gif</imageUrl>
      <size>192x192</size>
    </image>
    <location>New York</location>
    <lookingFor>NETWORKING</lookingFor>
    <nickname>Agent Smith</nickname>
    <profileUrl>http://yosint.profiles.yahoo.com/u/PLQBS2ATTNUELZMA2QNTF2I6RI</profileUrl>
    <relationshipStatus>COMPLICATED</relationshipStatus>
    <status>
```



```
select * from flickr.photos.info where photo_id=
2439864402
```

TEST

 XML JSON

```
http://query.yahooapis.com
/v1/yql?q=select%20%20from%20flickr.photos
%3D%202439864402&format=xml
```

COPY URL

FORMATTED VIEW

TREE VIEW

```
<?xml version="1.0" encoding="UTF-8"?>
<query xmlns:yahoo="http://www.yahooapis.com/v1/base.rng" yahoo:count="1" yahoo:created="2008-09-30T02:51:03Z" yah
<diagnostics>
  <url execution-time="177">http://api.flickr.com/services/rest/?method=flickr.photos.getInfo&photo_id=2439864
  <user-time>184</user-time>
  <service-time>177</service-time>
  <build-version>2008.09.26.09:09</build-version>
</diagnostics>
<results>
  <photo dateuploaded="1209077470" farm="4" id="2439864402" isfavorite="0" license="0" media="photo"
    <owner location="South San Francisco, USA" nsid="8614440@N03" realname="Alex Ho" username="ge
    <title>IMG 7106</title>
    <description>Justine Ezarik and Sam Pullara</description>
    <visibility isfamily="0" isfriend="0" ispublic="1"/>
    <dates lastupdate="1209671816" posted="1209077470" taken="2008-04-23 03:12:34" takengranulari
    <editability canaddmeta="0" cancomment="0"/>
    <usage canblog="0" candownload="1" canprint="0"/>
    <comments>1</comments>
    <notes/>
    <tags>
      <tag author="8614440@N03" id="8591386-2439864402-5913" machine_tag="0" raw="web">web<
      <tag author="8614440@N03" id="8591386-2439864402-26493" machine_tag="0" raw="2.0">20<
      <tag author="8614440@N03" id="8591386-2439864402-4251" machine_tag="0" raw="expo">exp
      <tag author="8614440@N03" id="8591386-2439864402-11227" machine_tag="0" raw="web20">w
      <tag author="8614440@N03" id="8591386-2439864402-10061458" machine_tag="0" raw="web20
      <tag author="8614440@N03" id="8591386-2439864402-34067" machine_tag="0" raw="moscone"
      <tag author="8614440@N03" id="8591386-2439864402-46" machine_tag="0" raw="sanfrancisc
      <tag author="8614440@N03" id="8591386-2439864402-37813" machine_tag="0" raw="2008">20
      <tag author="8614440@N03" id="8591386-2439864402-42024" machine_tag="0" raw="crawl">c
      <tag author="8614440@N03" id="8591386-2439864402-17079" machine_tag="0" raw="bayarea">
```

```
select urls.url from flickr.photos.info where photo_id=
2439864402
```

TEST

 XML JSON

```
http://query.yahooapis.com
/v1/yql?q=select%20urls.url%20from%20flickr.
%3D%202439864402&format=xml
```

COPY URL

FORMATTED VIEW

TREE VIEW

```
<?xml version="1.0" encoding="UTF-8"?>
<query xmlns:yahoo="http://www.yahooapis.com/v1/base.rng" yahoo:count="1" yahoo:created="2008-09-30T02:51:27Z" yahoo:
  <diagnostics>
    <url execution-time="189">http://api.flickr.com/services/rest/?method=flickr.photos.getInfo&photo_id=243986440
    <user-time>204</user-time>
    <service-time>189</service-time>
    <build-version>2008.09.26.09:09</build-version>
  </diagnostics>
  <results>
    <photo>
      <urls>
        <url type="photopage">http://www.flickr.com/photos/genexe/2439864402/</url>
      </urls>
    </photo>
  </results>
</query>
```



```
select * from geo.places where text="san francisco, ca"
```

```
http://query.yahooapis.com/v1/yql?q=select%20*%20from%20geo.places%20%3D%22san%20francisco%2C%20ca%22&format=xml
```

TEST

 XML JSON

COPY URL

FORMATTED VIEW

TREE VIEW

```
<?xml version="1.0" encoding="UTF-8"?>
<query xmlns:yahoo="http://www.yahooapis.com/v1/base.rng" yahoo:count="1" yahoo:created="2008-09-30T02:51:47Z" yahoo:lang="en-US" yahoo:uri="http://where.yahooapis.com/v1/places.q(san%20francisco%2c%20ca);count=10;start=0</url>"
  <diagnostics>
    <url execution-time="36">http://where.yahooapis.com/v1/places.q(san%20francisco%2c%20ca);count=10;start=0</url>
    <user-time>43</user-time>
    <service-time>36</service-time>
    <build-version>2008.09.26.11:40</build-version>
  </diagnostics>
  <results>
    <place xmlns="http://where.yahooapis.com/v1/schema.rng" woeid="2487956" placeTypeName="Town" name="San Francisco" country="United States" admin1="California" admin2="San Francisco" admin3="" locality1="San Francisco" locality2="" postal="" centroid="37.77916 -122.420067" boundingBox="37.703781 -122.515457" northEast="" southWest="" type="Town" yahoo:uri="http://where.yahooapis.com/v1/places.q(san%20francisco%2c%20ca);count=10;start=0" />
  </results>
</query>
```

```
select woeid from geo.places where text="san
francisco, ca"
```

TEST

 XML JSON

```
http://query.yahooapis.com
/v1/yql?q=select%20woeid%20from%20geo.pl
%3D%22san%20francisco%2C%20ca%22&
format=xml
```

COPY URL

FORMATTED VIEW

TREE VIEW

```
<?xml version="1.0" encoding="UTF-8"?>
<query xmlns:yahoo="http://www.yahooapis.com/v1/base.rng" yahoo:count="1" yahoo:created="2008-09-30T02:52:06Z" yahoo:
  <diagnostics>
    <url execution-time="36">http://where.yahooapis.com/v1/places.q(san%20francisco%2c%20ca);count=10;start=0</url>
    <user-time>41</user-time>
    <service-time>36</service-time>
    <build-version>2008.09.26.11:40</build-version>
  </diagnostics>
  <results>
    <place xmlns="http://where.yahooapis.com/v1/schema.rng">
      <woeid>2487956</woeid>
    </place>
  </results>
</query>
```

```
select * from upcoming.events where woeid in (select woeid from geo.places where text="North Beach")
```

```
http://query.yahooapis.com/v1/yql?q=select%20*%20from%20upcoming.e%20%3D%22North%20Beach%22&format=xml
```

TEST

 XML JSON

COPY URL

FORMATTED VIEW

TREE VIEW

```
<?xml version="1.0" encoding="UTF-8"?>
<query xmlns:yahoo="http://www.yahooapis.com/v1/base.rng" yahoo:count="12" yahoo:created="2008-09-30T02:54:00Z" ya
  <diagnostics>
    <url execution-time="63">http://where.yahooapis.com/v1/places.q(North%20Beach);count=10;start=0</url>
    <url execution-time="67">http://upcoming.yahooapis.com/services/rest/?per_page=50&page=1&woeid=1097818&a
    <url execution-time="73">http://upcoming.yahooapis.com/services/rest/?per_page=50&page=1&woeid=23511188&
    <url execution-time="79">http://upcoming.yahooapis.com/services/rest/?per_page=50&page=1&woeid=2460639&a
    <url execution-time="89">http://upcoming.yahooapis.com/services/rest/?per_page=50&page=1&woeid=28746208&
    <url execution-time="99">http://upcoming.yahooapis.com/services/rest/?per_page=50&page=1&woeid=2460640&a
    <url execution-time="62">http://upcoming.yahooapis.com/services/rest/?per_page=50&page=1&woeid=23499175&
    <url execution-time="73">http://upcoming.yahooapis.com/services/rest/?per_page=50&page=1&woeid=2460636&a
    <url execution-time="64">http://upcoming.yahooapis.com/services/rest/?per_page=50&page=1&woeid=2460633&a
    <url execution-time="75">http://upcoming.yahooapis.com/services/rest/?per_page=50&page=1&woeid=23417381&
    <url execution-time="70">http://upcoming.yahooapis.com/services/rest/?per_page=50&page=1&woeid=2460634&a
    <user-time>253</user-time>
    <service-time>814</service-time>
    <build-version>2008.09.26.09:09</build-version>
  </diagnostics>
  <results>
    <event category_id="2" date_posted="2008-09-05 18:35:59" description="America's ONLY weekend-long con
    <event category_id="2" date_posted="2008-09-06 21:06:22" description="America's ONLY weekend-long con
    <event category_id="1" date_posted="2008-07-28 13:22:32" description="Iron and Wine (solo) with Sholi
    <event category_id="1" date_posted="2008-09-08 22:41:07" description="" end_date="" end_time="-00001"
    <event category_id="1" date_posted="2008-07-15 09:47:59" description="Tickets are $19.50. 21+ Jolie H
    <event category_id="1" date_posted="2008-07-11 12:55:12" description="Dengue Fever?s psychedelic take
    <event category_id="1" date_posted="2008-08-06 09:47:35" description="doors @ 7 p.m. 18+" end_date=""
    <event category_id="1" date_posted="2008-06-26 15:46:01" description="" end_date="" end_time="-00001"
    <event category_id="1" date_posted="2008-09-02 11:39:43" description="She & Him Doors at 7 p.m. S
    <event category_id="1" date_posted="2008-09-22 12:46:30" description="Multi-instrumentalist, Meric Lo
    <event category_id="1" date_posted="2008-09-08 16:57:35" description="Brooklyn?s Gang Gang Dance crea
```

```
select * from local.search where query="sushi" and
location="san francisco, ca"
```

TEST

 XML JSON

```
http://query.yahooapis.com
/v1/yql?q=select%20*%20from%20local.search
%3D%22sushi%22%20and%20location
%3D%22san%20francisco%2C%20ca%22&
format=xml
```

COPY URL

FORMATTED VIEW

TREE VIEW

```
<?xml version="1.0" encoding="UTF-8"?>
<query xmlns:yahoo="http://www.yahooapis.com/v1/base.rng" yahoo:count="10" yahoo:created="2008-09-30T02:52:57Z" ya
<diagnostics>
  <url execution-time="1379">http://local.yahooapis.com/LocalSearchService/V3/localSearch?results=10&start=1&a
  <user-time>1393</user-time>
  <service-time>1379</service-time>
  <build-version>2008.09.26.09:09</build-version>
</diagnostics>
<results>
  <Result xmlns="urn:yahoo:lcl" id="21373494">
    <Title>Sushi Bistro</Title>
    <Address>455 Balboa St</Address>
    <City>San Francisco</City>
    <State>CA</State>
    <Phone>(415) 933-7100</Phone>
    <Latitude>37.777099</Latitude>
    <Longitude>-122.463517</Longitude>
    <Rating>
      <AverageRating>4.5</AverageRating>
      <TotalRatings>43</TotalRatings>
      <TotalReviews>36</TotalReviews>
      <LastReviewDate>1189988903</LastReviewDate>
      <LastReviewIntro>On 09.15.07 Saturday evening we walked in and were told it will be 45 minutes. After 40
    </Rating>
    <Distance>2.55</Distance>
    <Url>http://local.yahoo.com/info-21373494-sushi-bistro-san-francisco</Url>
    <ClickUrl>http://local.yahoo.com/info-21373494-sushi-bistro-san-francisco</ClickUrl>
    <MapUrl>http://maps.yahoo.com/maps_result?q1=455+Balboa+St+San+Francisco+CA&gid1=21373494</MapUrl>
    <BusinessUrl>http://www.sushibistrosf.com/</BusinessUrl>
    <BusinessClickUrl>http://www.sushibistrosf.com/</BusinessClickUrl>
```

```
select * from local.search where query="sushi" and
location="san francisco, ca" and
Rating.AverageRating>4
```

TEST

 XML JSON

```
http://query.yahooapis.com
/v1/yql?q=select%20*%20from%20local.sea
%3D%22sushi%22%20and%20location
%3D%22san%20francisco%2C%20ca
%22%20and%20Rating.AverageRating%3E
format=xml
```

COPY URL

FORMATTED VIEW

TREE VIEW

```
<?xml version="1.0" encoding="UTF-8"?>
<query xmlns:yahoo="http://www.yahooapis.com/v1/base.rng" yahoo:count="9" yahoo:created="2008-09-30T02:53:39Z" yahoo:diagnostics="<diagnostics>
  <url execution-time="2650">http://local.yahooapis.com/LocalSearchService/V3/localSearch?results=10&start=1&
  <user-time>2670</user-time>
  <service-time>2650</service-time>
  <build-version>2008.09.26.11:40</build-version>
</diagnostics>
<results>
  <Result xmlns="urn:yahoo:lcl" id="21373494">
    <Title>Sushi Bistro</Title>
    <Address>455 Balboa St</Address>
    <City>San Francisco</City>
    <State>CA</State>
    <Phone>(415) 933-7100</Phone>
    <Latitude>37.777099</Latitude>
    <Longitude>-122.463517</Longitude>
    <Rating>
      <AverageRating>4.5</AverageRating>
      <TotalRatings>43</TotalRatings>
      <TotalReviews>36</TotalReviews>
      <LastReviewDate>1189988903</LastReviewDate>
      <LastReviewIntro>On 09.15.07 Saturday evening we walked in and were told it will be 45 minutes. After 40
    </Rating>
    <Distance>2.55</Distance>
    <Url>http://local.yahoo.com/info-21373494-sushi-bistro-san-francisco</Url>
    <ClickUrl>http://local.yahoo.com/info-21373494-sushi-bistro-san-francisco</ClickUrl>
    <MapUrl>http://maps.yahoo.com/maps_result?q1=455+Balboa+St+San+Francisco+CA&gid1=21373494</MapUrl>
    <BusinessUrl>http://www.sushibistrosf.com/</BusinessUrl>
    <BusinessClickUrl>http://www.sushibistrosf.com/</BusinessClickUrl>
```



```
select title from rss where
url="http://rss.news.yahoo.com/rss/topstories"
```

```
http://query.yahooapis.com
/v1/yql?q=select%20title%20from%20rss%20w
%3D%22http%3A%2F
%2Frss.news.yahoo.com%2Frss%2Ftopstorie
format=xml
```

TEST

 XML JSON

COPY URL

FORMATTED VIEW

TREE VIEW

```
<?xml version="1.0" encoding="UTF-8"?>
<query xmlns:yahoo="http://www.yahooapis.com/v1/base.rng" yahoo:count="20" yahoo:created="2008-09-30T02:55:13Z" ya
  <diagnostics>
    <url execution-time="20">http://rss.news.yahoo.com/rss/topstories</url>
    <user-time>69</user-time>
    <service-time>20</service-time>
    <build-version>2008.09.26.09:09</build-version>
  </diagnostics>
  <results>
    <item>
      <title>House rejects $700B bailout in stunning defeat (AP)</title>
    </item>
    <item>
      <title>Dow plummets record 777 as financial rescue fails (AP)</title>
    </item>
    <item>
      <title>Analysis: House vote against bailout wounds McCain (AP)</title>
    </item>
    <item>
      <title>Palin: Pakistan remark was a response to a voter (AP)</title>
    </item>
    <item>
      <title>Prosecution rests robbery case against O.J. Simpson (AP)</title>
    </item>
    <item>
      <title>Ex-teacher in Neb. gets 6 years in sex case (AP)</title>
    </item>
    <item>
      <title>Mars lander finds minerals suggesting past water (AP)</title>
    </item>
  </results>
</query>
```

```
select * from html where url="http://finance.yahoo.com/q?s=yhoo" and xpath="//div[@id="yfi_headlines"]/div[2]/ul/li/a'
```

```
http://query.yahooapis.com/v1/ql?q=select%20*%20from%20html%20%3D%22http%3A%2F%2Ffinance.yahoo.com%2Fq%3Fs%3Dyhoo%22%20and%20xpath%3D'%2F%2Fdiv%5B%40id%3D%22yfi_headlines%22%5D
```

TEST

 XML JSON

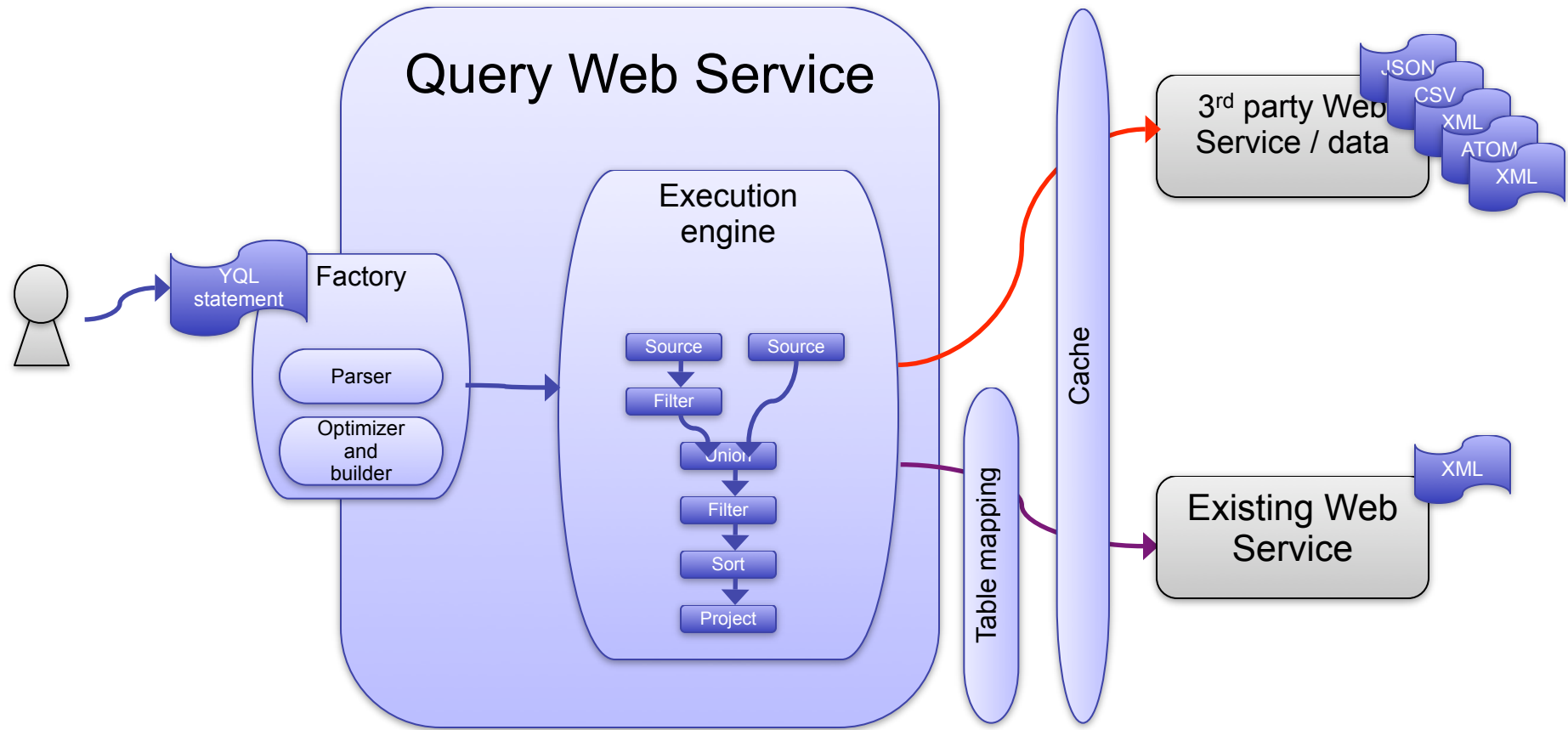
COPY URL

FORMATTED VIEW

TREE VIEW

```
<?xml version="1.0" encoding="UTF-8"?>
<query xmlns:yahoo="http://www.yahooapis.com/v1/base.rng" yahoo:count="10" yahoo:created="2008-09-30T02:56:29Z" yahoo:diagnostics="1" yahoo:execution-time="162" yahoo:service-time="162" yahoo:user-time="196" yahoo:build-version="2008.09.26.09:09">
  <diagnostics>
    <url execution-time="162">http://finance.yahoo.com/q?s=yhoo</url>
    <user-time>196</user-time>
    <service-time>162</service-time>
    <build-version>2008.09.26.09:09</build-version>
  </diagnostics>
  <results>
    <a href="http://us.rd.yahoo.com/finance/external/wsj/SIG=11puff229/*http://online.wsj.com/article/SB12227249660218" />
    <a href="http://biz.yahoo.com/ap/080929/internet_radio_royalties.html?.v=4">Congress
    <a href="http://us.rd.yahoo.com/finance/external/cbsm/SIG=12jf4c6ng/*http://www.marketwatch.com/news/story/new-sig" />
    <a href="http://biz.yahoo.com/ap/080929/internet_final_glance.html?.v=1">Final
    <a href="http://us.rd.yahoo.com/finance/external/forbes/SIG=13erp9gmp/*http://www.forbes.com/2008/09/29/small-busi" />
    <a href="http://us.rd.yahoo.com/finance/external/allthingsd/SIG=13fhf49ie/*http://kara.allthingsd.com/20080929/yus" />
    <a href="http://biz.yahoo.com/ap/080929/internet_stocks_sector_wrap.html?.v=1">Sector
    <a href="http://us.rd.yahoo.com/finance/external/mfool/SIG=12ri9nkas/*http://www.fool.com/investing/high-growth/20" />
    <a href="http://us.rd.yahoo.com/finance/external/bizj/SIG=12i4sbj1j/*http://sanfrancisco.bizjournals.com/sanfranci" />
    <a href="http://us.rd.yahoo.com/finance/external/tsmfe/SIG=127j315vh/*http://www.thestreet.com/_yahoo/newsanalysis" />
  </results>
</query>
```

(Very) High Level Architecture



Partially/not optimized →
Un-optimized/whole doc →



Mapping tables to data sources

- YQL wants to push as much of the query as possible to the remote data provider/service
- Typically REST query/path parameters do not map closely to result structure
 - We call these “keys” and are named differently than dot-path
 - Simple REST definition language describes how YQL executes queries on “table” providers

Remote and Local filtering, paging

- Table data can be filtered in the WHERE clause either:
 - **Remotely** by the table data source provider or
 - **Locally** by the YQL engine
- YQL tries to present “rows” of data
 - Abstracts away “paging” views of data sources
 - Presents a “subset” of paging tables by default

```
select * from local.search(500,1000) where  
zip='94085' and query='pizza'
```

IN (SELECT...): Joining across data sources

- No left joins, sub-select only
- Get an international weather forecast? Join two services in different companies:

```
select * from weather.forecast where location in
(select id from xml where
 url="http://xoap.weather.com/search/search?where=prague"
 and itemPath="search.loc")
```

- Sub-select works the same as normal select except it can only return a “leaf” element value or attribute
- Parallelizes execution

Post-query manipulation

- Simple post-SELECT processing can be performed by appending the “pipe” symbol to the end of the statement:

```
SELECT ... |sort(field=item.date)  
SELECT ... |unique(field=item.title) | ...
```

- Functions only operate on the data being returned by the query, nothing to do with the tables or data sources themselves

Use it!

- Public+private YQL tables can be accessed at:
<http://query.yahooapis.com/v1/yql?q=...>
- OAuth protected, URLs must be signed
 - 2-legged for public tables
 - 3-legged for social tables
- Public YQL tables (soon)
 - No signing required

Next steps, challenges

- “Open” tables
- Multiple authentication authority support
- Better YQL query optimization for endpoints
- Foreign key consistency
- Scripting/language bindings

Finally: Pipes without the GUI editor

- Very popular Pipe pattern is easy to represent in YQL:

```
SELECT * FROM rss WHERE url in  
(SELECT title FROM atom WHERE url="http://  
spreadsheets.google.com/feeds/list/pg_TOM/  
od6/public/basic")  
AND description LIKE "%wall street%" LIMIT 10  
| unique (field=title)
```

Conclusion: Pipes and YQL

- Provides powerful data functions to any client
- Consumes data from many services
- Common data formats means any part of the cloud can become the input
 - Dapper, AWS, Google spreadsheets
- ...or take the output
 - 1/3 Google mashups are powered by Pipes

Conclusion: Pipes and YQL

- Enable developers to easily access, combine, and filter data to fit their application requirements
 - Self-documenting model
- YQL provides developers with consistent and unified semantics for accessing data, not just Yahoo! services
- Low overhead
- Reduce roundtrip traffic by reducing the number of requests

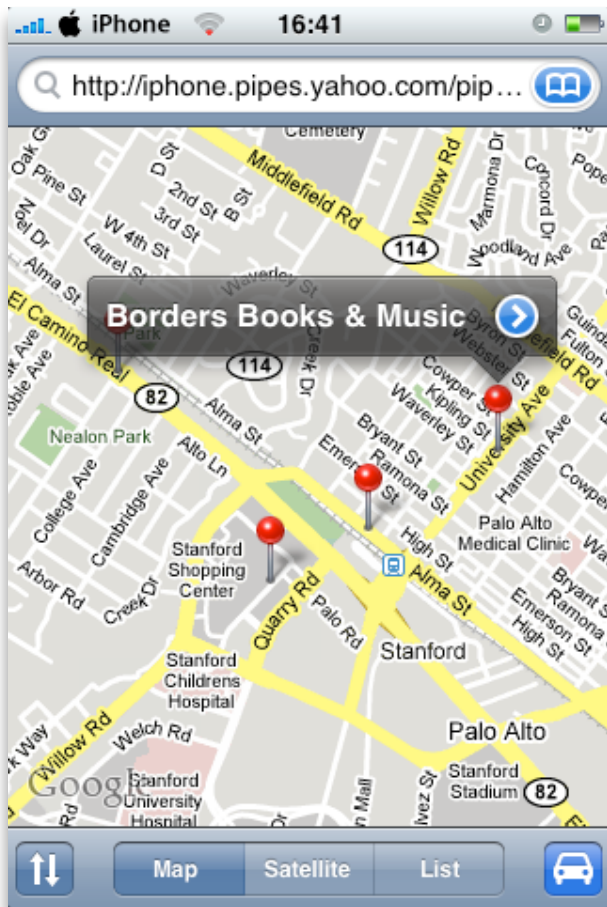
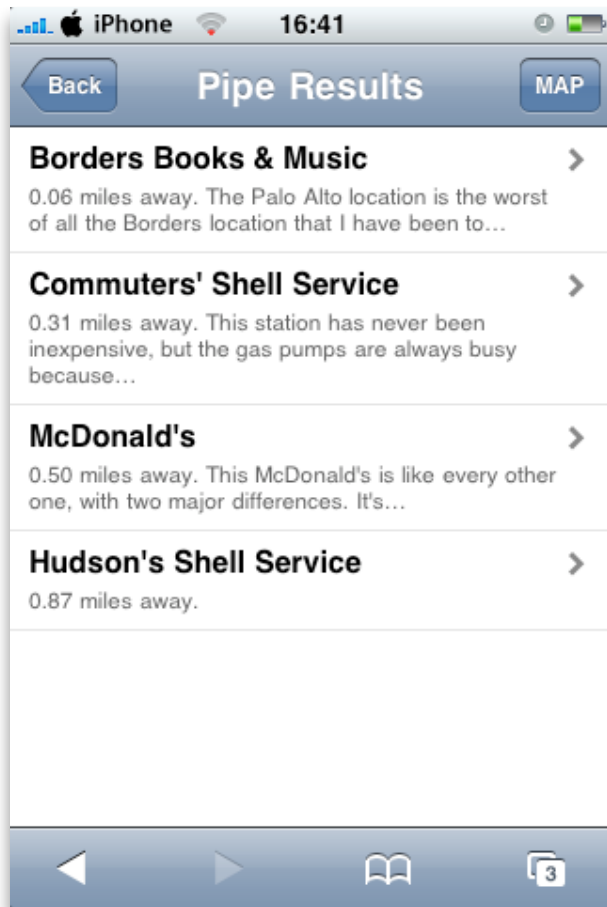
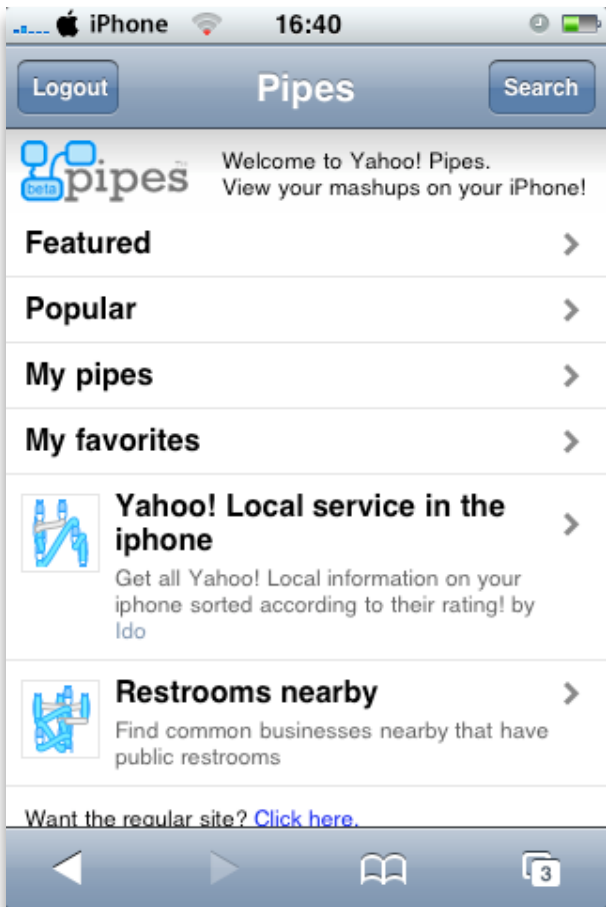
Thank you

- Pipes
 - <http://pipes.yahoo.com>
- YQL
 - <http://query.yahooapis.com/v1/yql>
 - <http://developer.yahoo.com/yql>
 - <http://developer.yahoo.com/yql/console>
- Get in touch
 - jtreavor@yahoo-inc.com
 - yql-questions@yahoo-inc.com

REST def

```
<?xml version="1.0" encoding="UTF-8"?>
<table xmlns="http://query.yahooapis.com/v1/schema/table.xsd">
  <sampleQuery>select * from geo.places where text="sfo"</sampleQuery>
  <endpoints>
    <endpoint itemPath="places.place" format="XML">
      <urls>
        <url env="all">http://where.yahooapis.com/v1/
places=dol=and(.q($text$, $focus$), .type($placetype$))?appid=xxx</url>
      </urls>
      <paging model="offset">
        <start id="start" default="0" matrix="true" />
        <pagesize id="count" max="10" matrix="true" />
        <total default="10" />
      </paging>
      <keys>
        <key id="text" type="xs:string" />
        <key id="focus" type="xs:string" />
        <key id="placetype" type="xs:string" />
      </keys>
    </endpoint>
  </endpoints>
</table>
```

Doing the mobile mash




Fantasy Sports search

- Get the edge on your friends with a single RSS feed based on searching 70 sites for fantasy sports blog articles

The screenshot shows a Yahoo Pipes page for a feed titled "Fantasy Sports Feed by Sally Cole". The page includes a navigation bar with "Home", "My Pipes", "Browse", "Discuss", "Documentation", and "Create a pipe". The author's profile for Sally Cole is visible on the left. The main content area lists several articles, including one from FantasyFootballGoat.com titled "NFL History From A Guy That's Been There" by Corey Koehler, dated March 6, 2008. An inset window shows a detailed view of this article, featuring a green header with the site name "FantasyFootballGoat.com" and a navigation menu. The article text discusses classic football and mentions a gentleman named Marvelous. A list of sources is provided on the left side of the main page, including wordpress.com, washingtonpost.com, usatoday.com, withleather.com, thefantasyfootballtimes.com, thewizardofodds.blogspot.com, video.msn.com, yardbarker.com, visionnfl.com, and wastingcotime.wordpress.com. A small cartoon image of a green creature with large eyes is at the bottom of the article preview.



Craigslist house lookup with static Yahoo map

 Home My Pipes Browse Discuss Documentation [Create a pipe](#)

You're logged in as [jonathan_trevor](#) (logout)

Author: **Paul Donnelly**

Properties
Published on **03/03/08**
0 runs
0 clones

Bookmark / Share

Tags (3)
[yahoo](#)
[craigslist](#)
[maps](#)

Sources (6)
[yahoo.com](#)
[craigslist.org](#)
[sfbay.craigslist.org](#)
[local.yahooapis.com](#)
[yahooapis.com](#)
[shortcuts.yahoo.com](#)

Modules (7)
[fetchdata](#)
[fetch](#)
[regex](#)
[urlbuilder](#)

craigslist house lookup with static yahoo map

This Pipe prepends a static Yahoo! map to your description field in List Mode and RSS/JSON. The static map will only show up if Pipes can detect geo location data in the feed.

Pipe Web Address: <http://pipes.yahoo.com/31337/PrEWR2jp3BGuFw0L2h2EvQ>

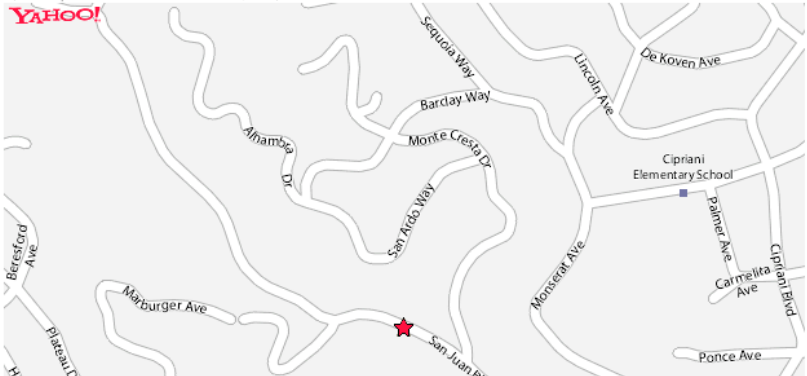
[View Source](#) [Clone](#)

Use this Pipe

[MY YAHOO!](#) [Google](#) [Get results by Email or Phone](#) [More options](#)

[Map](#) [List](#) 50 items

Vacant Land Available in Belmont with Approved Building Plans (belmont) \$399000
Matthew S. Holder | Coldwell Banker | 650.566.5309 2933 San Juan Blvd., Belmont, CA This lot in the Haskins Estates area of Belmont has an approved 2200 SF structure plus 400 SF garage approved. The lot goes through to Marberger. 4,790 sqft Vacant Land offered at \$399,000 ...





LastTube

- Uses content from Last.fm and YouTube. You can watch Youtube's content based on your Recently Listened Tracks scrobbled to Last.fm.

Author: **dersteppenwolf**

Published on **02/17/07**
74789 runs
286 clones

Properties

Published on **02/17/07**
74789 runs
286 clones

Bookmark / Share

Tags (3)

Sources (2)

Modules (8)

Last.fm Recent Tracks + Youtube : Last.fm

Based On this Pipe I have created an Application. You Can check it Here: <http://flex2colombia.wordpress.com/lasttube-lastfm-meets-youtube/>

Pipe Web Address: [http://pipes.yahoo.com/pipes/pipes/info?_id=2IUhnPC72xGIHF](http://pipes.yahoo.com/pipes/pipes/pipes/info?_id=2IUhnPC72xGIHF)

Last FM User:

YouTube - Broadcast Yourself.
Dr Nigel Leigh Oldfield. Country: United Kingdom. Occupation: Student and Res Your relatives in prison are missing your ...

YouTube - Nigel De Jong
Nigel ... oh come on nigel come 2 everton and play for a succesful team that play B... 05:53. PodShowComedy. Season ...

YouTube - johnny rabb's biodiesel 03/09/07 Set 2 Part 1
Johnny Rabb - DrumsClay Parnell - BassDr. Nigel - Keys ... Dr. Nigel - Keys (les Tags: ...

YouTube - Tetris - Dr spin
video mix of the song "tetris"Doctor Spin was a pseudonym used by Andrew Lio Wright for their 1992 hit novelty single Tetri...

YouTube - NIGEL PLACE BALCONYTV.COM 16/08/2006
with Len Arran as producer,Nigel Place, a singer and writer of songs. Nigel fir

last.fm Mashup Last.fm User Name: Julespsych Welcome My Son, Welcome To The Machine [About / Contact / Comments](#)

Recently Listened Tracks

Artist	Name	Album	Date
Ella Fitzgerald	I Ain't Got Nothin'	Verve Jazz Masters	7 May 2006
Sly & The Family Stone	Dan		7 May 2006
Incubus	Redefine	S.C.I.E.N.C.E.	7 May 2006
Blind Melon	Dump Truck		7 May 2006
Hard-Fi	TIED UP TOO HARD		7 May 2006
Pearl Jam	Dissident	Vs.	7 May 2006
The Decemberists	Of Angels and Angl	Picaresque	7 May 2006
Sufjan Stevens	A Short Reprise for		7 May 2006

Overall Top Artists

Rank	Artist	Plays	Image
1	Ani DiFranco	722	
2	Regina Spektor	695	
3	Lacrimosa	690	
4	Incubus	589	
5	Pearl Jam	500	
6	Sufjan Stevens	398	

YouTube Video: Decemberists - 16 Military Wives

0:38 / 4:58 Volume: YouTube Page

