

## Some Examples of 'Next Generation Search & Services' Functionality & Features

The following are a collection of examples of 'Next Gen' functionality and features to demonstrate some of the possibilities in building a 'next gen search & services' toolset. We are deliberately avoiding calling it a 'Next Generation Catalog,' as we believe that our conception goes beyond the library catalog as it exists today.

### 1. Faceted Search/Browse:

Open WorldCat. The results for a patron's search term are scanned for their subject headings, authors, formats, etc. They are then clustered on the left hand side, exposing the rich record content. See <http://www.worldcat.org>

The screenshot shows the WorldCat website interface in a Mozilla Firefox browser window. The address bar displays the URL [http://www.worldcat.org/search?qt=worldcat\\_org&q=melodrama&sut](http://www.worldcat.org/search?qt=worldcat_org&q=melodrama&sut). The page header includes the WorldCat logo, a 'Beta' badge, and links for 'Home', 'Help', and 'Feedback'. A navigation bar shows the user is not signed in, with options to 'Sign In or Register' and a link to 'My WorldCat Account'. The search bar contains the text 'melodrama', and the 'Search' button is visible. Below the search bar, the results are sorted by 'Relevance'. The main content area displays search results for 'melodrama', showing 1-10 of about 7,252 results in .85 seconds. The results are listed in a numbered format, with each entry including the title, author, language, type, and publisher. On the left side, there is a 'Refine Your Search' section with faceted search options for Author, Content, and Format. The 'Author' section lists authors like Gaetano Donizetti (37), Giuseppe Verdi (25), Gioacchino Rossini (21), Vincenzo Bellini (16), and D.W. Griffith (10). The 'Content' section lists categories like Performing Arts (1702), Language, Linguistic... (1491), Music (566), History & Auxiliary... (62), and Art & Architecture (28). The 'Format' section lists Book (3562) and Visual Material (2714). The search results list includes: 1. **Melodrama** by Daniel Charles Gerould, Language: English, Type: Book, Publisher: New York : New York Literary Forum, 1980. 2. **A drowned maiden's hair : a melodrama** by Laura Amy Schlitz, Language: English, Type: Book : Fiction : Elementary and junior high school, Publisher: Cambridge, Mass. : Candlewick Press, ©2006. 3. **Pride & prejudice** by Joe Wright; Deborah Moggach; Tim Bevan; Eric Fellner; Paul Webster; Keira Knightley; Matthew Macfadyen; Brenda Blethyn; Donald Sutherland; Tom Hollander; Rosamund Pike; Jena Malone; Judi Dench; Jane Austen; Focus Features.; Studio Canal.; Working Title Films.; Universal Studios Home Entertainment (Firm), Language: English, Type: Visual Material : Videorecording : DVD video, Publisher: Universal City, CA : Universal Studios Home Entertainment, [2006].

## 2. Expanding a catalog search to selected external sources:

Stanford University's catalog presents links to search both Google Scholar and/or OCLC WorldCat with the user's search term embedded within this on results pages within the Stanford catalog. See <http://jenson.stanford.edu>

The screenshot shows a Mozilla Firefox browser window displaying the Stanford University Socrates Online Catalog. The search results for the author "calarco" are shown, listing five titles. Each result includes a call number, title, author, and year, along with links for "Details" and "Mark". A sidebar on the right offers links to continue the search using Google Scholar Beta or OCLC WorldCat. The browser's address bar shows the URL <http://jenson.stanford.edu/uhtbin/cgisirsi/O2GEky7sx8/GREEN/177130032/88>. The browser's status bar at the bottom indicates "Done" and "2.799s".

**SU LAIR** E-JOURNALS | DATABASES | OTHER CATALOGS | INTERLIBRARY LOAN | MY ACCOUNT | ASK US

### Socrates: Stanford's Online Catalog

Simple Search Combined Search Call No. Browse Electronic Resources Course Reserves

Go Back | Help | Limit Search | New Search | [Email Print/Save](#) | Exit/Home

**Search Results** AUTHOR "calarco" search found 6 titles.

#	Call Number	Title	Year
#1	E449 .B8755 B76 2006	Abel Brown, abolitionist Brown, C. S. (Catharine S.)	2006
#2	B2430 .L484 L465 2004	Levinas & Buber : dialogue & difference	2004
#3	BX4705 .C475 A316 1998	Eusebio Francesco Chini : epistolario 1670-1710 Kino, Eusebio Francisco, 1644-1711.	1998
#4	B29.S2	Saggi e ricerche di filosofia E. Calarco...[et al.]; a cura di Ada Lamacchia	1973
#5	PN1892 .C27	Tragic hero: Apollo and Dionysus in Western drama	1969

Continue your search for  
[Articles and books \(Google Scholar Beta\)](#)  
[Items in other library catalogs \(OCLC WorldCat\)](#)

Find:  Find Next Find Previous Highlight all ☐ Match case

Done 2.799s

### 3. Functional Requirements for Bibliographic Records (FRBR):

An example of what the FRBR widget from LibraryThing (<http://www.librarything.com/>) can do, here we see related holdings to *Harry Potter and the Half-Blood Prince* in an demo example at New York Public Library's catalog. [http://www.librarything.com/demo\\_nypl.html](http://www.librarything.com/demo_nypl.html)

LEO - The New York Public Library - Mozilla Firefox

http://www.librarything.com/demo\_nypl.html

Search: ISBN/ISSN 0439785960 Refine Search Return to results | Next

> You are searching: LEO, NYPL's Branch Libraries

**Item Information**

- Holdings
- Fiction & Biography
- Summary

**More by this author**

- Rowling, J. K.

**Browse Catalog**

- by author: Rowling, J. K.
- by title: Harry Potter and the...
- by call number: FIC R 658.802 A

**Similar Books**

- Harry Potter and the goblet of fire by Rowling, J. K.
- Harry Potter and the Order of the Phoenix by Rowling, J. K.
- Ultimate unofficial guide to the mysteries of Harry Potter by Waters, Galadriel
- The sorcerer's companion : a guide to the magical world of Harry Potter by Kronzek, Allan Zola
- Conversations with J. K. Rowling by Fraser, Lindsey
- Eldest by Paolini, Christopher
- Eragon by Paolini, Christopher

**Related Editions**

Harry Potter and the half-blood prince / by Rowling, J. K.

New York : Arthur A. Levine Books, c2005.

Call #: FIC R

Subjects:

- Wizards -- Fiction.
- Magic -- Fiction.
- Schools -- Fiction.

Responsibility: by J.K. Rowling ; illustrations by Mary GrandPré.

Language: English

Description: x, 652 p. : ill. ; 24 cm.

Notes: Sequel to: Harry Potter and the Order of the Phoenix.

Additional Authors: GrandPré, Mary, ill.

Genre: Fantasy fiction.

Dynix #: 2209411

ISBN: 0439785960 (pbk. : Scholastic) 0439784549

LCCN#: 2005921149

Holdings: Reservable Copies: 233 Number of Holds: 2

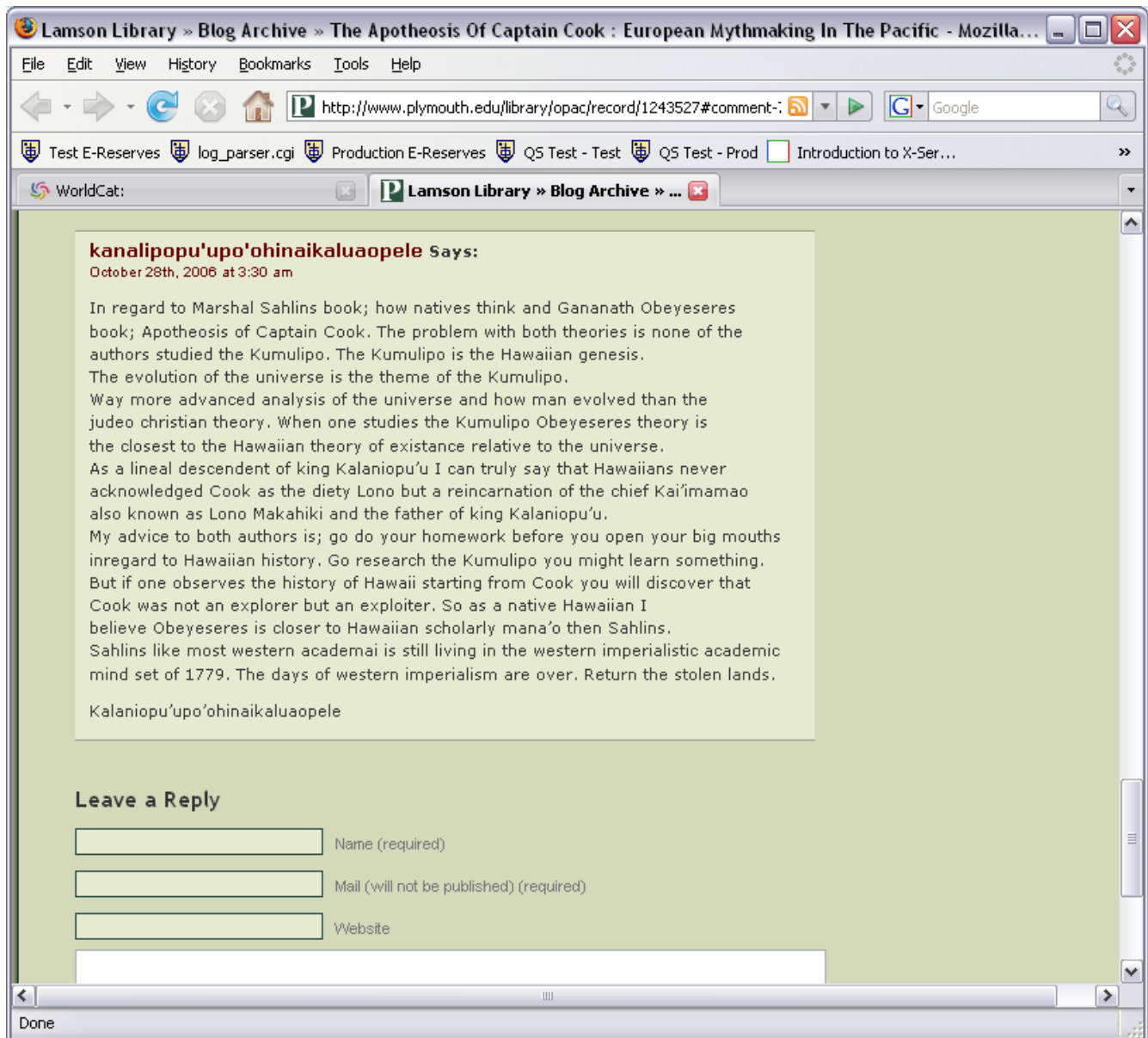
Add to my list Request item

**Copy/Holding information**

Location	Call No.	Collection	Shelving Location	Item Type	Status
Aguilar Branch	FIC R	General Fiction	Adult Fiction	Book	Due: 18 APR 07
Aguilar Branch	FIC R	YA Fiction	Young Adult Section	YA Book	checked In
Aguilar Branch	FIC R	YA Fiction	Young Adult Section	YA Book	Lost
Allerton Branch	FIC R	General Fiction	Adult Fiction	Book	Overflow
Allerton Branch	FIC R	General Fiction	Adult Fiction	Book	Lost
Allerton Branch	FIC R	General Fiction	Adult Fiction	Book	Lost
Allerton Branch	FIC R	General Fiction	Adult Fiction	Book	checked In

#### 4. Reveiws – user contributed content:

Plymouth State's WP-OPAC is based on blog software and allows patrons to contribute remarks to catalog entries. <http://www.plymouth.edu/library/opac/record/1243527#comment-7695>



## 5. RSS Feeds from the Catalog:

Many libraries are starting to offer RSS feeds that can be subscribed to, for new acquisitions alerting. A good example of an Aleph library doing this is MIT's Barton (<http://libraries.mit.edu/help/rss/barton/>)

The screenshot shows a Mozilla Firefox browser window displaying the 'Recent Additions to the Collections: MIT Libraries' page. The address bar shows the URL <http://libraries.mit.edu/help/rss/barton/>. The page features a sidebar on the left with links for 'RSS', 'What is RSS?', 'How these feeds look in RSS readers', 'Other academic and library feeds', and 'Can I have these lists emailed to me?'. The main content area is titled 'Recent Additions to the Collections' and includes a brief introduction and a link to subscribe to RSS feeds. It then lists various categories with their respective RSS feeds: Art, Architecture + Urban Studies, Humanities, Management, Science, and Social Sciences. Each category has a list of specific feeds, such as 'Architecture', 'Art', 'Urban Studies + Planning' under Art; 'American Literature', 'British + Anglophone Literature', 'Education', 'Film', 'Graphic Novels + Manga', 'History + Culture of Science', 'History + Culture of Medicine', 'Humanities Browsey', 'Library + Information Science', 'Linguistics', 'Literature in French', 'Literature in German', 'Literature in Spanish', 'Music (all libraries)', 'Music: Lewis Music Library', 'just books', 'just CDs', 'just DVDs', 'just scores', 'Philosophy + Logic', 'Religion', and 'Women's Studies Research Room' under Humanities; 'Finance', 'Management', 'Marketing', and 'Work + Employment' under Management; 'Astronomy', 'Biology', 'Bioinformatics', 'Chemistry', 'Earth and Planetary Sciences', 'Energy', 'Environment', 'Lindgren Library', 'Maps, Mapping + GIS', 'Mathematics', 'Medicine', 'Drugs', 'Neurosciences', 'Nuclear Science + Engineering', and 'Physics' under Science; and 'Economics', 'International Relations', 'Law', and 'Political Science' under Social Sciences. The browser's status bar at the bottom shows 'Done' and a loading time of 0.932s.

Recent Additions to the Collections: MIT Libraries - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

<http://libraries.mit.edu/help/rss/barton/> Go

Hardware SBC Mail Fedora ASIST Blogs ExLibris Finance Football Gaming images Jobs Manitoulin Media Music ND People Scoot

Notre Dame DigiTool - Search Loading... Recent Additions to the Co...

MIT libraries SITE INDEX SEARCH

MIT Libraries

**RSS**

[What is RSS?](#)

[How these feeds look in RSS readers](#)

[Other academic and library feeds](#)

[Can I have these lists emailed to me?](#)

Recent Additions to the Collections

Want to know what new items have just arrived in the MIT Libraries?

Link to these lists or subscribe to our RSS feeds!

**Art, Architecture + Urban Studies**

- [Architecture](#) [RSS](#)
- [Art](#) [RSS](#)
- [Urban Studies + Planning](#) [RSS](#)

**Humanities**

- [American Literature](#) [RSS](#)
- [British + Anglophone Literature](#) [RSS](#)
- [Education](#) [RSS](#)
- [Film](#) [RSS](#)
- [Graphic Novels + Manga](#) [RSS](#)
- [History + Culture of Science](#) [RSS](#)
- [History + Culture of Medicine](#) [RSS](#)
- [Humanities Browsey](#) [RSS](#)
- [Library + Information Science](#) [RSS](#)
- [Linguistics](#) [RSS](#)
- [Literature in French](#) [RSS](#)
- [Literature in German](#) [RSS](#)
- [Literature in Spanish](#) [RSS](#)
- [Music \(all libraries\)](#) [RSS](#)
- [Music: Lewis Music Library](#) [RSS](#)
- [just books](#) [RSS](#)
- [just CDs](#) [RSS](#)
- [just DVDs](#) [RSS](#)
- [just scores](#) [RSS](#)
- [Philosophy + Logic](#) [RSS](#)
- [Religion](#) [RSS](#)
- [Women's Studies Research Room](#) [RSS](#)

**Management**

- [Finance](#) [RSS](#)
- [Management](#) [RSS](#)
- [Marketing](#) [RSS](#)
- [Work + Employment](#) [RSS](#)

**Science**

- [Astronomy](#) [RSS](#)
- [Biology](#) [RSS](#)
- [Bioinformatics](#) [RSS](#)
- [Chemistry](#) [RSS](#)
- [Earth and Planetary Sciences](#) [RSS](#)
- [Energy](#) [RSS](#)
- [Environment](#) [RSS](#)
- [Lindgren Library](#) [RSS](#)
- [Maps, Mapping + GIS](#) [RSS](#)
- [Mathematics](#) [RSS](#)
- [Medicine](#) [RSS](#)
- [Drugs](#) [RSS](#) (delivery, design, development, action...)
- [Neurosciences](#) [RSS](#)
- [Nuclear Science + Engineering](#) [RSS](#)
- [Physics](#) [RSS](#)

**Social Sciences**

- [Economics](#) [RSS](#)
- [International Relations](#) [RSS](#)
- [Law](#) [RSS](#)
- [Political Science](#) [RSS](#)

Find:  Find Next Find Previous Highlight all Match case

Done 0.932s

## 6. Searching the Catalog from Web Browsers

Harvard and MIT are participating on a pilot project to deploy a Firefox plug-in to search Aleph via the browser toolbar. This is a good example of making library content searchable in the user's space (<http://lib.harvard.edu/tools/libx.html>). This is a specific implementation of a wider project (<http://www.libx.org/>)

**LibX- Harvard University Library Edition (Pilot Project) - Mozilla Firefox**

File Edit View Go Bookmarks Tools Help

http://lib.harvard.edu/tools/libx.html

Hardware SBC Mail Fedora ASIST Blogs ExLibris Finance Football Gaming Images Jobs Manitoulin Media Music ND People Scoot »

Notre Dame DigiTool - Search Loading... LibX- Harvard University Li...

Welcome to Harvard University - Mozilla Firefox

Search HOLLIS Catalog by Keyword Now!

Search HOLLIS Catalog by Title Now!

Search HOLLIS Catalog by Author Now!

Search via Google Scholar

Reload this Page Via Harvard Access

To turn off the Toolbar:

In the Firefox menu, go to "View" then "Toolbars" and select LibX HUL so it is unchecked.

Right-click menu:

Highlight text on a web page and right-click to get the following menu:

"Richard Musgrave transformed economics in the 1950s and 1960s from a descriptive and institutional subject to one that used the tools of microeconomics and Keynesian macroeconomics..."

Copy  
Select all  
Search Web for "Keynesian macro..."  
View Selection Source  
Properties  
Web Developer  
Add Selection to Search as...  
**Search HOLLIS Catalog by Keyword Now!**  
Search HOLLIS Catalog by Title Now!  
Search HOLLIS Catalog by Author Now!  
Search via Google Scholar  
Reload this Page Via Harvard Access

From this menu you can:

- Search selected text in the HOLLIS Catalog or Google Scholar.
- "Reload this page via Harvard Access" for access to Harvard's licensed e-resources when you find a restricted article on the Web.
- Chose "Add Selection to Search as..." to add the text to the search box in the LibX toolbar.

The right-click menu changes depending on what text is highlighted. For instance, if an ISBN is selected, you will be offered appropriate ISBN searches. LibX searches ISBNs, ISSNs, PubMed IDs, and DOIs.

Find: jeff Find Next Find Previous Highlight all Match case

Waiting for support.exlibrisgroup.com...

## 7. Extending search II: Koha

The open-source catalog, Koha, has a nice feature set of being able to extend a search to multiple destinations. A good example is the American University of Rome catalog (<http://www.galileo.aur.it/cgi-bin/koha/opac-search.pl>)

The screenshot shows a web browser window titled "The American University of Rome Library Catalog -- Results of Search for 'Iambretta' - Mozilla Firefox". The address bar shows the URL <http://www.galileo.aur.it/cgi-bin/koha/opac-search.pl>. The page content is as follows:

**Results for Search: Iambretta**  
Sorry, there were no results. Try your search in [other collections](#)

Search for:

Search in the [LC Authority File](#)

<b>Roman Libraries</b>	<a href="#">SBN</a> <input type="checkbox"/> Author <input type="checkbox"/> Title <a href="#">URBE</a> <input type="checkbox"/> Author <input type="checkbox"/> Title	<a href="#">CSA</a> <input type="checkbox"/> Author <input type="checkbox"/> Title <input type="checkbox"/> Subject <a href="#">Roman Mun. Libraries</a> <input type="checkbox"/> Author <input type="checkbox"/> Title	
<b>Other Library Catalogs</b>	<a href="#">WorldCat</a> <input type="checkbox"/> Author <input type="checkbox"/> Title <input type="checkbox"/> Subject <input type="checkbox"/> Keyword <a href="#">LC Tables of Contents</a> <input type="checkbox"/> Keyword	<a href="#">British Library</a> <input type="checkbox"/> Author <input type="checkbox"/> Title <input type="checkbox"/> Subject <input type="checkbox"/> Keyword	
<b>Electronic Books</b>	<a href="#">Google Books</a> <input type="checkbox"/> All <input type="checkbox"/> Free <a href="#">Microsoft Live Search Books</a> <input type="checkbox"/> Keyword	<a href="#">NetLibrary</a> <input type="checkbox"/> Author <input type="checkbox"/> Title <input type="checkbox"/> Subject <input type="checkbox"/> Keyword	<a href="#">History E-Book Library</a> <input type="checkbox"/> Keyword AUR Campus Only
<b>Other Electronic Resources</b>	<a href="#">Google Scholar</a> <input type="checkbox"/> Keyword <a href="#">Microsoft Live Search Academic</a> <input type="checkbox"/> Keyword	<a href="#">OALister</a> <input type="checkbox"/> Keyword <a href="#">BASE</a> <input type="checkbox"/> Keyword <a href="#">INFOMINE</a> <input type="checkbox"/> Keyword	<a href="#">Internet Archive</a> <input type="checkbox"/> Keyword <a href="#">NDLTD</a> <input type="checkbox"/> Keyword
<b>Serial Titles</b>	<input type="checkbox"/> Staten Island/AUR List <input type="checkbox"/> WilsonSelect <input type="checkbox"/> Journals in Rome		

Find:     ☐ Match case

Done 1.909s