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# Library Catalog as Versatile Discovery Platform

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DLF Fall Forum 2007  
November 6, 2007

# Outline

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- Next Generation Catalogs
- Catalog as Discovery Platform
- CatalogWS API
- Current CatalogWS Applications
- Closing Thoughts

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# Next Generation Catalogs

# Background

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# Examples - Endeca

NCSU LIBRARIES

Search the Collection | Browse Subjects | Services | Library Information | Community | News & Events

MY LIBRARY: Library Account | My Course Reserves | My Alerts | RefWorks

**Catalog Search:** usability Anywhere Go Start Over

Search within results

**Send search to:** Go

Search 'usability' : We found 477 matching items. Limit results to currently available items.

New titles for this search via RSS What is this?

**Narrow By Call Number Range:**

A - General Works (1)  
B - Philosophy, Psychology, Religion (3)  
G - Geography, Anthropology, Recreation (8)  
H - Social sciences (32)  
L - Education (21)  
N - Fine Arts (2)

P - Language and literature (7)  
Q - Science (199)  
R - Medicine (13)  
T - Technology. (135)  
Z - Bibliography. Library Science. Information resources (ge ...) (22)

**Narrow Results By:**

**Subject: Topic**

- Human-computer interaction (85)
- User interfaces (Computer systems) (59)
- Design (52)
- Web sites (38)
- Computer software (34)

Show More ...

**Subject: Genre**

**Brief View | Full View**

**Sort By:** Relevance

1.	Cost-justifying usability : an update for an Internet age <b>Published:</b> c2005. <b>Format:</b> Book <b>D.H. Hill Library</b> QA76.9 .U83 C67 2005	Stacks (6th floor)	Available
2.	Usability : gaining a competitive edge : IFIP 17th World Computer Congress--TC13 stream on usability: gaining a competitive edge, August 25-30, 2002, Montréal, Québec, Canada <b>Author:</b> IFIP World Computer Congress (17th : 2002 : Montréal, Québec) <b>Published:</b> 2002. <b>Format:</b> Book <b>D.H. Hill Library</b>		

# Examples - AquaBrowser

The screenshot shows the Queens Library website interface. On the left, there's a decorative graphic with text like "un触ability", "untestability", "usability", "uitability", "interface", and "Untraceability". The main search bar at the top contains the query "usability". Below the search bar, the results are displayed, showing two items:

**Security and usability**  
designing secure systems that people can use  
Lorrie Faith Cranor, Simson Garfinkel  
Call number: 005.8 S  
Year: 2005  
Found: usability (1)  
Subject: computer security

**Designing web usability**  
Jakob Nielsen  
Call number: 005.276 N  
Year: 2000  
Found: usability (2)  
Subject: web sites

On the right side of the results, there are "Select Location" and "Refine" dropdown menus, along with links for Catalog and Format. A yellow sidebar on the right contains sections for External Sources, a log-in form, and a "Print this page" button.

# Examples - Encore

 **Search:** usability 

[Advanced Search](#)

**Refine by:**

- ▶ **SEARCH FOUND IN**
  - Title (53)
  - Author (1)
- ▶ **FORMAT**
  - PRINT (67)
  - COMPUTER FILE (1)
  - CDROM (1)
  - PHOTOCOPY (1)
- ▶ **COLLECTION**
  - All Journals (1)
  - Electronic Journals (1)
  - All Electronic Resources (5)
  - St. Lucia campus libraries (58)
  - Fryer Library (1)
- ▶ **LANGUAGE**
  - English (70)
- ▶ **PUBLISH DATE**
  - 2007 (4)
  - 2006 (6)
  - 2005 (2)
  - 2004 (7)
  - 2003 (7)
  - +more

**Searched: usability (1- 25 of 70)**

Sorted by Relevance | Title | Date

1 2 3 next

 (1 - 37) Most Relevant

**Usability evaluation of web page design** 2007  
by Limin Fu.  
Ann Arbor, Mich. : UMI, 2007.  
**DUE 13-11-07** - Phys Sci & Engin - TK5105.888 .F8 2007

**Information users and usability in the digital age** 2007  
Chowdhury, G. G. (Gobinda G.)  
London : Facet, 2007.  
1 copy ordered for SS&H on 15-02-2007.

**Universal usability : designing computer interfaces for diverse user populations** 2007  
Hoboken, NJ : John Wiley & Sons, 2007.  
**AVAILABLE** - Phys Sci & Engin - QA76.9.U83 U535 2007  
 [Table of contents](#)

**Web usability : a user-centered design approach** 2006  
Jonathan Lazar.  
Boston Mass : Addison Wesley c2006

 **UQ LIBRARY**  
**encore**  
THE UNIVERSITY OF QUEENSLAND  
AUSTRALIA  
[Survey form](#)  
[My Account](#)

**Recently Added:**

  
[Universal usability](#)

  
[Usability engineering](#)

  
[Usability evaluation of web page design](#)

**Refine by Tag:**

computer software computer systems consumers customer relations ebook electronic commerce human engineering human-

# Examples - Primo

UNIVERSITY OF MINNESOTA LIBRARIES LIBRARY SEARCH BETA

New Search Tags AskUs! Help

MNCAT Catalog All Campuses Catalog Articles

Search for usability

Look for my query : All items that contain my query words anywhere in the record

My Preferences Advanced Search

Hello, Guest  
[Sign In](#) To have full access and to keep things. [Why sign in?](#)

e-Shelf To enter my workspace

**Results for MNCAT: Books & More (Twin Cities)** RSS

119 Results , sorted by: Relevance .

Show only: [Online Resources \(30\)](#) [Available \(111\)](#)

1 [Handbook of usability testing how to plan, design, and conduct effective tests \(View details\)](#)  
Rubin, Jeffrey, 1949-  
Norwood Mass. : Books24x7.com [2005?]  
Book  Add to e-Shelf [Online access \(U of M\) \(Get It \)](#) 

2 [Usability testing for library websites : a hands-on guide \(View details\)](#)  
Norlin, Elaina. 

**Refine My Results**  
Narrow my results by limiting the search to:  
**Availability:**  
> [online resources \(30\)](#)  
> [available \(111\)](#)

**Resource Type:**

# Examples - WorldCat Local

UNIVERSITY OF  
WASHINGTON  
*Libraries*

Off-Campus Access Ask Us Your Library Account Survey - Your Voice Counts!

Home | Search | You are not signed in (Sign In to WorldCat or Register)

Search for items: usability  Advanced Search

Search results for 'usability'

Sort by: Relevance

Refine Your Search

**Author**  
[Canada](#) (29)  
[Jakob Nielsen](#) (18)  
[Gregory D Abowd](#) (7)  
[Steve Krug](#) (4)  
[Stephen J Adelson](#) (4)  
[Show more ...](#)

**Content**  
[Computer Science](#) (508)  
[Engineering & Techno...](#) (175)  
[Library Science, Gen...](#) (119)  
[Education](#) (98)  
[Business & Economics](#) (54)  
[Show more ...](#)

**Format**

Results 1-10 of about 4,487 (.66 seconds) « First < Prev 1 2 3 Next »

Select All Clear All Save to: [New List] Save

1. [Designing Web usability](#)  
by Jakob Nielsen  
Language: English Type: Book  
Publisher: Indianapolis, Ind. : New Riders, ©2000.  
Held by: University of Washington Libraries

2. [The trouble with computers usefulness, usability, and productivity](#)  
by Thomas K Landauer; NetLibrary, Inc.  
Language: English Type: Computer File  
Publisher: Cambridge, Mass. : MIT Press, ©1995.  
Held by: University of Washington Libraries

3. [Handheld usability](#)  
by Scott Weiss; NetLibrary, Inc.  
Language: English Type: Computer File  
Publisher: Chichester, West Sussex : Wiley, ©2002.  
Held by: University of Washington Libraries

# Examples - Solr-powered

UNIVERSITY OF VIRGINIA LIBRARIES 

Home | About Blacklight | FAQ | Collex ↗ | Digital Scholarship Services ↗ | Library Lab ↗

## Project Blacklight

+ usability X [save these constraints] [clear constraints]

results 1-25 of 126 →

Usability study of user interface design: examining the usability attributes of the Galileo software package  
author: Curwen, Sara Jane  
year: 1999  
format: THESIS-4TH  
language: English

Proceedings on the ... Conference on Universal Usability  
year: 2000  
genre: Congresses; Electronic journals  
topic: Human-computer interaction; Universal design; Information technology; Technological innovations  
format: INTERNET  
language: English

Improving database usability and responsiveness /  
year: 1982

search

source [browse] [hide/show]  
 VIRGO (126)

format [browse] [hide/show]  
 BOOK (67)  
 THESIS-4TH (24)  
 INTERNET (16)  
 MICROFICHE (8)  
 DOCUMENT (5)  
 REFERENCE (5)  
 UNKNOWN (3)  
 ARCHIVES (2)  
 IVY-THESIS (2)  
 E-BOOK (1)  
 THESIS-DIS (1)

# Examples - Solr-powered

vufind

usability      All Fields      Find

Advanced

Login      English

Showing 1 – 20 of 103 Results for usability

Sort Relevance

Narrow Search

Format  
Book (103)

Author  
Nielsen, Jakob, (4)  
Cowley, Malcolm, (2)  
Landauer, Thomas K. (2)  
Badre, Albert. (1)  
Bouwsma, William James, (1)  
more...

Topic  
Web sites (14)  
Computer software (7)  
User interfaces (Computer systems) (7)  
Web site development. (7)  
American literature (5)  
more...

Subject Area

 Research-based web design & usability guidelines / Published 2006 Call Number: TK5105.888 .R47 2006 Located: 4th Floor Available Book	 Add to favorites
 Research-based web design & usability guidelines / Published 2006 Get full text here Book	 Add to favorites
 Designing Web sites that work : usability for the Web / by Brinck, Tom. Published 2002 Get full text here Book	 Add to favorites

# Next Generation Catalogs

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- Modern search options
  - Relevance ranking
  - Faceted search
  - Tag/word clouds
- New content and functionality
  - User contributed content, social features
  - Enriched content (book covers, reviews)
  - Current awareness (RSS feeds)

# Next Generation Catalogs

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Current “next generation catalog” systems  
are largely focused on optimizing a  
**single discovery context**... the OPAC

# Question...

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Why should the discovery of cataloged library collections be limited to user interaction with a **single catalog application**?

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# Catalog as Discovery Platform

# Platform?

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... a “**platform**” is a system that can be reprogrammed and therefore customized by outside developers -- users -- and in that way, adapted to countless needs and niches that the platform's original developers could not have possibly contemplated, much less had time to accommodate.

In contrast, an “**application**” is a system that cannot be reprogrammed by outside developers. It is a closed environment that does whatever its original developers intended it to do, and nothing more.

- Marc Andreessen, “Analyzing the Facebook Platform, three weeks in” ([http://blog.pmarca.com/2007/06/analyzing\\_the\\_f.html](http://blog.pmarca.com/2007/06/analyzing_the_f.html))

# Discovery Happens Elsewhere

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No single website is the sole focus of a user's attention.

Increasingly people discover websites, or encounter content from them, in a variety of places. These may be network level services (Google, ...), or personal services (my RSS aggregator or 'webtop'), or services which allow me to traverse from personal to network (Delicious, LibraryThing, ...).

— Lorcan Dempsey, “Discovery happens elsewhere”  
[\(<http://orweblog.oclc.org/archives/001430.html>\)](http://orweblog.oclc.org/archives/001430.html)

# Platform Motivation

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- Move beyond the “one-size-fits-all” approach to catalog discovery
- Make it easier to reuse and repurpose catalog data outside the ILS/OPAC
- Build catalog interfaces optimized for different use contexts

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# CatalogWS API

# CatalogWS Goals

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Initial impetus:

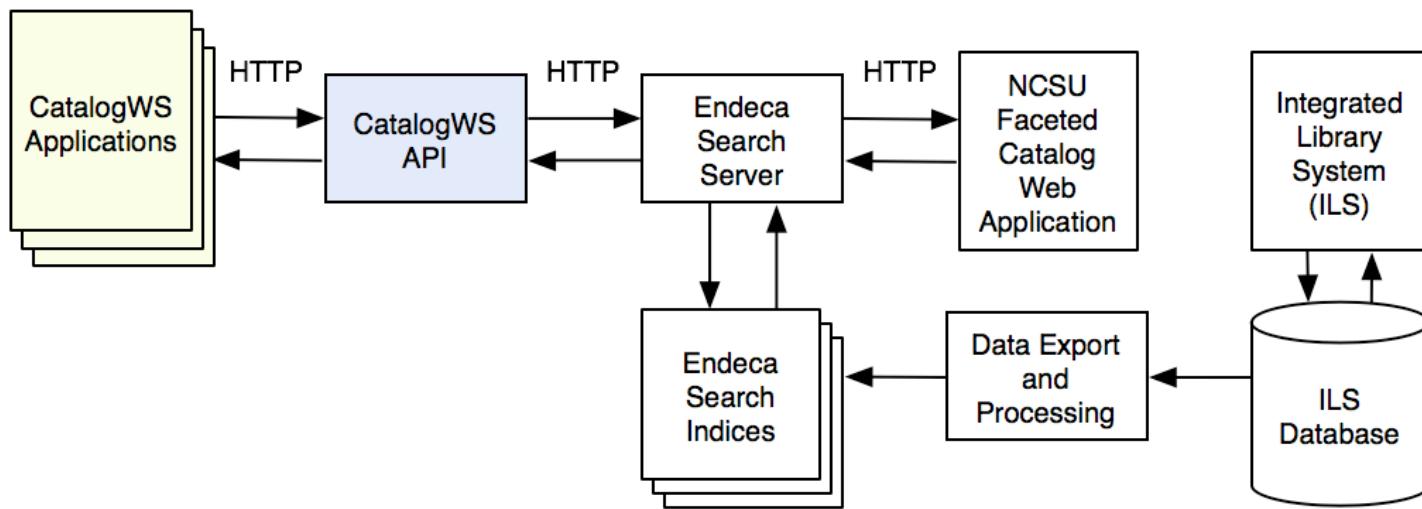
- Can we have RSS feeds for the catalog?
- Can we integrate catalog results into library website Quick Search?

Final result:

- Rich API for searching NCSU Libraries Catalog

# NCSU Catalog Architecture

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# Search Indices as Data Source

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## Benefits:

- Performance
- Search features
- Consolidated and normalized data

## Limitations:

- Subset of catalog data
- Read-only
- [Not real time]

# Technical Design

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- RESTful architecture
  - Define query using HTTP GET requests with URL parameters
- Separate web application handles API requests
  - Java, Tomcat, XOM, Saxon 8.8, org.json

# API Functionality

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Technical documentation:

<http://www.lib.ncsu.edu/catalog/ws/>

- Discovery-oriented
- Catalog availability
  - service=availability
  - Focus on known-item lookup (isbn)
- Catalog search
  - service=search
  - Support known-item and exploratory searching
  - Mimic functionality available on catalog search results page

# Example Request

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`http://www.lib.ncsu.edu/catalogws/?  
service=search&query=deforestation`

# Required Parameters

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- service
  - availability | search
- query
  - Any term(s)

# Optional Parameters

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- `output`
  - [xml] | rss | opensearch | json
- `count`
  - default: 30, max: 300
- `offset`
  - default: 0
- `sort`
  - [relevance] | date\_desc | date\_asc | call\_number | most\_popular | date\_added
- `style`
  - URL of XSL to transform to custom output

# XML Response

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- Defined with Relax NG Schema
- Discovery-centric
  - Search metadata
  - Results
    - Basic bibliographic metadata (not MARC)
    - Holdings / Item metadata
  - Facet metadata
  - Links

```
<requestUri>
    http://www2.lib.ncsu.edu:9921/catalogws/?service=search&query=
</requestUri>
<catalogLink>
    http://www2.lib.ncsu.edu/catalog/?Ntt=deforestation&Ntk=Keywor
</catalogLink>
<searchInfo>
    <query>
        <terms>deforestation</terms>
        <key>Keyword</key>
    </query>
    <totalResults>395</totalResults>
    <offset>0</offset>
    <itemsPerPage>30</itemsPerPage>
</searchInfo>
```

```
<item id="1683670">
  <catalogLink>
    http://catalog.lib.ncsu.edu/web2/tramp2.exe/do_ccl_search/guest?se
  </catalogLink>
  <title>Causes of deforestation of the Brazilian Amazon</title>
  <author>Margulis, Sérgio.</author>
  <pubDate>2004.</pubDate>
  <format>Book</format>
  <isbn>0821356917</isbn>

  <holdings institution="ncsu">
    <library name="D.H. Hill Library">
      <holdingsItem>
        <callNumber>SD418.3 .B6 M27 2003</callNumber>
        <location>Stacks (8th floor)</location>
        <status>Available</status>
      </holdingsItem>
    </library>
    <library name="Natural Resources Library">
      <holdingsItem>
        <callNumber>SD418.3 .B6 M27 2003</callNumber>|
        <location>Stacks</location>
        <status>Available</status>
      </holdingsItem>
    </library>
  </holdings>
</item>
```

```
<facet id="topic">
    <title>Subject: Topic</title>
    <catalogLink>
        http://www2.lib.ncsu.edu/catalog/?Ntt=deforestation&Ntk=Keyword&
    </catalogLink>
    <value>
        <requestUri>
            http://www2.lib.ncsu.edu:9921/catalogws/?service=search&quer
        </requestUri>
        <catalogLink>
            http://www2.lib.ncsu.edu/catalog/?Ntt=deforestation&Ntk=Keyw
        </catalogLink>
        <title>Deforestation</title>
        <count>205</count>
    </value>
    <value>
        <requestUri>
            http://www2.lib.ncsu.edu:9921/catalogws/?service=search&quer
        </requestUri>
        <catalogLink>
            http://www2.lib.ncsu.edu/catalog/?Ntt=deforestation&Ntk=Keyw
        </catalogLink>
        <title>Environmental aspects</title>
        <count>73</count>
    </value>
</facet>
```

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# Current CatalogWS Applications

# Current CatalogWS Applications

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Three categories:

1. Integration with external applications
2. Alternative catalog interfaces
3. Collection promotion

# Integration with External Applications

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- Integrate catalog data in external library applications: **Quick Search**
- Integrate catalog data in external non-library applications: **iGoogle Widget**

# Quick Search

- Website Search Tool
- Combines:
  - Catalog search
  - Journal finder
  - Databases
  - Website search
  - Library FAQs

The screenshot shows the NCSU Libraries website search interface. At the top, there's a navigation bar with links like 'Search the Collection', 'Browse Subjects', 'Services', 'Library Information', 'Community', 'News & Events', 'MY LIBRARY', 'Library Account', 'My Course Reserves', 'My Alerts', and 'RefWorks'. Below the navigation is a search bar with the query 'science fiction' and a 'Go' button. The main content area is divided into sections: 'Library Web' (listing various databases and collections), 'Library Catalog' (highlighted with a red border and containing 'Top titles' and 'Format' sections), and 'More Search Options' (listing other search categories). A sidebar on the right provides 'Find results for science fiction in:' followed by a list of categories.

NC SU LIBRARIES

Search the Collection | Browse Subjects | Services | Library Information | Community | News & Events

MY LIBRARY: Library Account | My Course Reserves | My Alerts | RefWorks

FAQ | Site Index | Search

Search: science fiction Go

Library Web

Find articles on science fiction in:

- General databases: Quick article search
- Specialty research databases: Communication & Media, Film Studies, Linguistics, Literature, More...

Cataloging Science Fiction collection titles: Cataloging ...  
... under the broadest term "Science fiction", 655 -7 Science fiction.[2gsafd (the hyphen ... Cataloging Science ...  
<http://www.lib.ncsu.edu/cataloging/procedures/SciFi.html> - Cached

Science Fiction and Fantasy Research Database: NC SU Libra...  
... Abstracts FAQ | Site Index Databases: Science Fiction and Fantasy Research  
<http://www.lib.ncsu.edu/searchcollection/data...?database=24225> - Cached

Guide to the Richard D. Erlich Collection of Papers about...  
... Collection of Papers about Science Fiction, 1974-1988 Guide to ...  
<http://www.lib.ncsu.edu/findingaids/mc00379/> - Cached

Juvenile Spanish language literature: Cataloging procedur...  
... Policies and Procedures Fiction vs. Non-Fiction Cataloger will identify note in ... Premier : Web of ...  
<http://www.lib.ncsu.edu/cataloging/procedures...ileFiction.html> - Cached

Literature Collections: Special Collections Research Cent...  
... Collection of Papers about Science Fiction 1974-1988 MC 00007 Fountain ...  
<http://www.lib.ncsu.edu/specialcollections/fi...literature.html> - Cached

Cataloging Guidelines and Procedures: NC SU Libraries  
... media from print materials Reproductions Science fiction and fantasy materials ... Premier : Web of Science ...  
<http://www.lib.ncsu.edu/cataloging/procedures/> - Cached

Focus Online: Volume 21 number 2: NC SU Libraries  
... film studies), John Kessel (English/science fiction), Will Kimler (history of ... Premier : Web of Science ...  
<http://www.lib.ncsu.edu/publications/focusonl...icles/bugo.html> - Cached

Library Catalog

Top titles

- Science fiction : 101, Robert Silverberg's worlds of wonder
- Science fiction fandom
- Projections : science fiction in literature & film

See all 4535 titles

Format

- Book (4272)
- Videos and DVDs (178)
- Software and Multimedia (156)
- Online (109)
- Journal, Magazine, or Serial (86)

More...

More Search Options

Find results for science fiction in:

- Encyclopedias & Dictionaries
- NCSU Scholarly Publications Repository
- NCSU Electronic Theses & Dissertations

# Quick Search

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- Top matching titles
- Format facet results
- Links to full catalog search results

## Library Catalog

### Top titles

- [Science fiction : 101, Robert Silverberg's worlds of wonder](#)
- [Science fiction fandom](#)
- [Projections : science fiction in literature & film](#)

[See all 4535 titles](#)

### Format

- [Book](#) (4272)
- [Videos and DVDs](#) (178)
- [Software and Multimedia](#) (156)
- [Online](#) (109)
- [Journal, Magazine, or Serial](#) (86)

[More...](#)

# Google Widget

markuswust@gmail.com | Classic Home | My Account | Sign out

Advanced Search  
Preferences  
Language Tools

Google Search I'm Feeling Lucky

Select theme | Add stuff »

**NCSU Libraries Catalog**

Search the NCSU Libraries Catalog

Only Available Items

All Fields Title Author

Search

**Date & Time**

Wed OCT 31

**Live Weather**

Raleigh edit WEATHER ALERT Hi: 69° F Lo: 49° F 42.0° Areas of frost this morning. Sunny, highs in the 40s.

Thu Fri Sat Forecast Radar Images Cameras

72° / 48° 63° / 40° 68° / 41°

**The Sudoku Gadget**

Thousands of new and free Sudoku puzzles

**UNC-Chapel Hill Library Catalog**

**Hennepin County Library Catalog**

**WorldCat Search**

**Weather**

**Ebling Library**

**Weld Library District**

**UNR Libraries**

**POSTECH Library Catalog**

**Ann Arbor District Library -**

**EconLog: Library of Economics and Liberty**

**Arlington Heights Memorial Library**

**CNN.com**

Police: Boy admits starting 38,000-acre fire  
Northern California feels 'pretty strong jolt'  
Obama, Edwards target Clinton in debate

**Google Calendar**

October 2007

Su	M	Tu	W	Th	F	Sa
22	23	24	25	26	27	28
29	30	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	1	2

Add Event

**Gmail**

Create your own gadget and share it with friends.

Advertising Programs - Business Solutions - Privacy Policy - Help - About Google - Mobile

©2007 Google

# Google Widget

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- Search and display catalog results within iGoogle

The screenshot shows the "NCSU Libraries Catalog" search interface. It features a red header bar with the text "Search the Catalog". Below the header is a search input field. Underneath the input field are three radio button options: "All Fields" (selected), "Title", and "Author". At the bottom of the search area is a blue "Search" button.

The screenshot shows the search results page from the NCSU Libraries Catalog. The top bar displays "SEARCH" and "1 - 5 of 4529". The results list three items:

- Science fiction : 101, Robert Silverberg's worlds of wonder**  
D.H. Hill  
1 Available  
PS648 .S3 R634 2001
- Science fiction fandom**  
D.H. Hill  
1 Available  
PN3433.2 .S3 1994
- Projections : science fiction in literature & film**  
D.H. Hill

# Alternative Catalog Applications

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- **MobiLIB Catalog:** basic catalog interface for mobile devices
- **FacetBrowser:** experimental facet-based browsing interface

# MobiLIB Overview

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## Current services:

- Catalog search
- Computer availability
- Library opening hours
- Campus directory
- Contact information for selected library departments and services
- Links to external sites
- Location of buses in campus transit system

# MobiLIB Catalog

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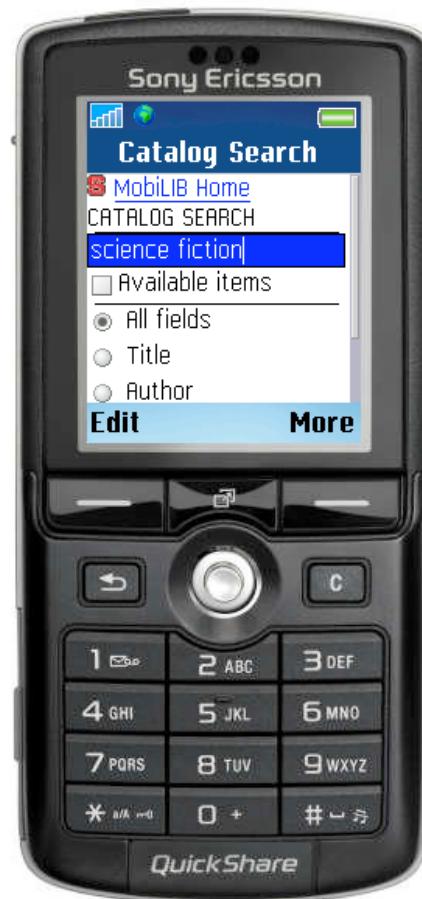
- Usage scenario: Known-item search on mobile device (smart phone, PDA, ...)
- Bare-bones search interface
- Only one facet: Availability

# MobiLIB Catalog

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## Search fields:

- Keyword
- Title
- Author
- ISBN



# MobiLIB Catalog

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Results display:

- Short title
- Library
- Availability
- Call number if only one copy

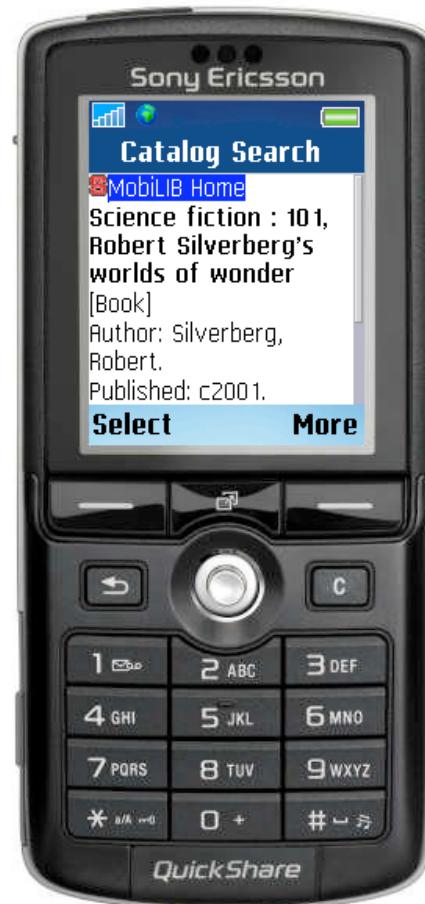


# MobiLIB Catalog

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## Item display:

- Full title
- Format
- Author
- Date
- Library
- Availability
- Call number
- Location



# FacetBrowser

- Exploratory search
- Focus on browsing with facets
- Same facets as OPAC
- Basic keyword search

FacetBrowser

Available Facets	A - general Works (4433)	B - Philosophy, Psychology, Religion (7739)	C - Auxiliary Sciences of History (5659)
Subject: Topic	D - History (General) and History of Europe (68827)	E - History: America (30986)	F - America: local history (17789)
Subject: Genre	G - Geography, Anthropology, Recreation (29369)	H - Social sciences (167659)	J - Political Science (26251)
Format	I - Law in general, Comparative and uniform law; Jurisprudence (15741)	L - Education (62647)	M - Music (12657)
Library	N - Fine Arts (39153)	P - Language and literature (187946)	Q - Science (194429)
Subject: Region	R - Medicine (45156)	S - Agriculture (527710)	T - Technology, (149315)
Subject: Era	U - Military science (General) (7009)	V - Naval science (2002)	Z - Bibliography, Library Science, Information resources (general) (20751)
Language			
Author			
New Titles			
Availability			
Library of Congress Classification			

Start Over      Results: 1755578

Maximum Number of Items: 10 | Sort By: Date Added | Apply Selections To Search

Search In Results:   Self-criticism and self-enhancement : theory, research, and clinical implications

Search In Results:   Soon come home to this island : West Indians in British children's literature  
Sands-O'Connor, Karen.

No Search Term Applied

Save Results:  Selected All Items     Deselected All Items     Save Selected Items

No Items Saved

?

And miles to go before I sleep : a Scottish vet in Africa  
Cran, Hugh.

Autobiography  
Martineau, Harriet, 1802-1876.

The Cambridge handbook of violent behavior and aggression

Codage de canal, des bases théoriques aux turbocodes: English

The commercial society: foundations and challenges in a global age  
Gregg, Samuel, 1969-

Select All Items    Deselected All Items    Save Selected Items

© NCSU Libraries 2007 | Optimized for Mozilla Firefox Browser

# Collection Promotion

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- **FacetBrowser** as a collection promotion authoring tool
- Automatically generated “**bookwalls**”
- **RSS feeds** for new titles

# FacetBrowser

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- Includes shopping cart for saving selected items
- Currently offers four different output styles

The screenshot shows a web-based application titled "FacetBrowser". At the top right, it displays "7 Items Saved". Below this, there is a list of seven items, each with a small thumbnail image and a title. The items are:

- The best of the best. Volume 2, 20 years of the best short science fiction novels
- Overclocked : stories of the future present  
Doctorow, Cory.
- The collected stories of Robert Silverberg. Volume two, To the dark star 1962-1969  
Silverberg, Robert.
- Four novels of the 1960s  
Dick, Philip K.
- Mad professor : the uncollected short stories  
Rucker, Rudy v. B. (Rudy von Bitter), 1946-
- Worlds enough & time : five tales of speculative fiction  
Simmons, Dan.
- The Prentice Hall anthology of science fiction and fantasy

Below the list are three buttons: "Select All Items", "Deselect All Items", and "Delete Selected Items".

Underneath the list, there is a section titled "Select display style:" with the following options:

- Bookwall (Large Images [Header/Footer])  
Enter a header for your bookwall display: \_\_\_\_\_ (Mandatory)  
Enter a footer for your bookwall display: \_\_\_\_\_ (Optional)  
In order to properly display covers on the E-board, you should not select more than 10 books.
- Blog (Small Images [Title/Author])
- Blog (Medium Images)
- Shopping List (Printable List [Titles/Call Number/Location, Sorted by Call Number])  
Please note: This option can display a maximum of ten items.

At the bottom left is a "Create Output" button, and at the bottom right is a copyright notice: "© NCSU Libraries 2007 | Optimized for Mozilla Firefox Browser".

# FacetBrowser

- Displays output
- Generates HTML code for bookwall displays and blogs

Start Over      7 Items Displayed | Style: Bookwall

### New Science Fiction Books

October 23, 2007

How to post the list:

- Open a new, empty document in your web editor. If you are using Dreamweaver, use the "Code" view.
- If your web editor has already inserted code, delete it.
- Cut-and-paste the following code into your document. This is all the code you will need.
- Save your file.
- Give the URL for your file to the E-board administrator.

Code:

```
<html>
<head>
<title>New Science Fiction Books</title>
<link rel="stylesheet" type="text/css" href="http://www.lib.ncsu.edu/facetbrowser/css/bookwall_static.css" />
</head>
<body><div id="topBanner">
    New Science Fiction Books
</div>
<div id="bookDisplay">
    
    
    
    
    
</div>

```

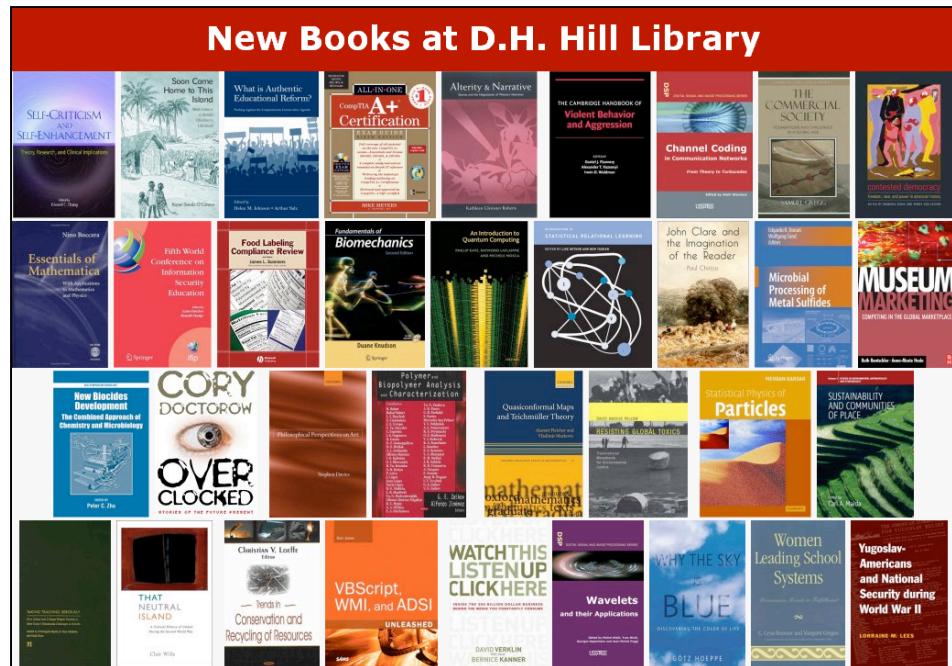
Highlight All Code

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# New Books Bookwall

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- Newest books in catalog
- Automatically generated
- Maintenance free



# RSS Feeds

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- Users can subscribe to RSS feeds based on their individual search preferences
- Active promotion
  - Information about newest items is pushed to users

# RSS Feeds

The screenshot displays the Bloglines web interface. At the top left is the Bloglines logo with a newspaper icon. The top navigation bar includes links for 'Ask', 'Account', 'Help', and 'Log Out'. Below the navigation is a search bar labeled 'Search for Posts' with a dropdown arrow and a blue search button. To the right are buttons for 'subscribers', 'related feeds', and 'subscribe'.

The main content area shows search results for 'NCSU Libraries Catalog Results: Fiction : Science fiction, American'. It lists three items:

- Mad professor : the uncollected short stories**  
Author: Rucker, Rudy v. B. (Rudy von Bitter), 1946-  
Published: c2007.  
D.H. Hill Library - Stacks (5th floor), PS3568 .U298 M24 2007 - Available  
Posted on: Wed, Oct 31 2007 6:59 AM | [Email This](#) | [Clip/Blog This](#)
- Gravity Wells : speculative fiction stories**  
Author: Gardner, James Alan.  
Published: c2005.  
D.H. Hill Library - Stacks (5th floor), PS3557 .A7118 S53 2005 - Available  
Posted on: Wed, Oct 31 2007 6:59 AM | [Email This](#) | [Clip/Blog This](#)
- The best of Jim Baen's universe**  
Published: c2007.  
D.H. Hill Library - Stacks, On Order - Checked Out  
Posted on: Wed, Oct 31 2007 6:59 AM | [Email This](#) | [Clip/Blog This](#)
- Dark reflections**  
Author: Delany, Samuel R.  
Published: 2007.  
D.H. Hill Library - Stacks, On Order - Checked Out  
Posted on: Wed, Oct 31 2007 6:59 AM | [Email This](#) | [Clip/Blog This](#)

On the left side of the main content area, there is a sidebar titled 'Additional Features' containing links for 'Image Wall', 'Recommendations | Tips', 'Create Email Subscriptions', 'Open Notifier | Download Notifier', 'Get a Subscribe To Bloglines Button', 'Easy Subscribe Bookmarklet', 'Tell A Friend', 'Import Subscriptions', 'Export Subscriptions', 'Directory', and 'Share'.

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# Closing Thoughts

# Benefits

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## **Reduced development costs**

The CatalogWS API has lowered the technical barriers for staff to develop new web applications that use catalog data.

# Benefits

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## **Versatile access to catalog data**

The resource-oriented nature of the CatalogWS API makes it easy to integrate catalog data in external applications.

# Platforms, Again

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... a “platform” is a system that can be reprogrammed and therefore customized by outside developers -- users -- and in that way, **adapted to countless needs and niches that the platform's original developers could not have possibly contemplated**, much less had time to accommodate.

— Marc Andreessen, “Analyzing the Facebook Platform, three weeks in”  
[\(\[http://blog.pmarca.com/2007/06/analyzing\\\_the\\\_f.html\]\(http://blog.pmarca.com/2007/06/analyzing\_the\_f.html\)\)](http://blog.pmarca.com/2007/06/analyzing_the_f.html)

# Thanks!

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# More Information

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CatalogWS API:

<http://www.lib.ncsu.edu/catalog/ws/>

CatalogWS Applications:

<http://www.lib.ncsu.edu/dli/projects/catalogwsapps/>