Homework A

Accessing the NYPL new catalog

We can access the new NYPL catalog which defines the searches very explicitly just to increase the efficiency of the website in searching of a particular book with multiple options. Accessing the new catalog would make the search easier for the user who visits the website for the first time very user friendly and easy to navigate. The new catalog have Advanced Search options which can reduce the filtering of the books based on 'Location', 'Year', 'Language', and also searching with 'Title', 'Author', 'Keyword' relating them through Boolean options like 'AND', 'OR', 'NOT'. The advanced search would be very helpful for the people who are beginners for this website. For searching a particular book from a large set of books by an author could be reduced by defining more options for it, to reduce the search result and obtain the desired result. It has many options which will retrieve the outputs with efficiency and the time consumed for searching a particular book with many constraints will be lessened.

Did the purchasers of the new catalog get a good product?

The purchasers who visits the new catalog for books would get a good option by filtering it through many options and reducing the results from top-to-bottom search. Yes, the purchasers would get a good product from the new catalog.

INITIAL REPORT

Test Plan

In New York public library, we have many books to find at the local libraries and read them. Here, we have two websites in order to access the websites. They are as follows:

http://catalog.nypl.org/

http://browse.nypl.org/iii/encore/?lang=eng

The purposes of the above 2 websites are the same, with few minor changes in the new website, by adding '*advanced search*'.

We have considered the two websites and performed manual test cases and automation test cases with specific requirements. The test cases which we performed on http://catalog.nypl.org/ are related to basic search of books based on their "Title", "Subject", "Author", "ISBN", "Call Number", "Keyword", "Journal Title", "Genre". We have performed manual testing and automatic testing using selenium in Python. For every test case we will get the outputs in the chrome browser.

This search in catalog page is user friendly and also very basic in getting the outputs. The user cannot filter the test result more further to make it more precise about the selection of any book of the user's choice. We have written the test cases in such a way that, the search of the books would happen one after the other consecutively. The search of any book which is made by an advanced search would improve the efficiency of the website when compared to the other website which supports only basic search.

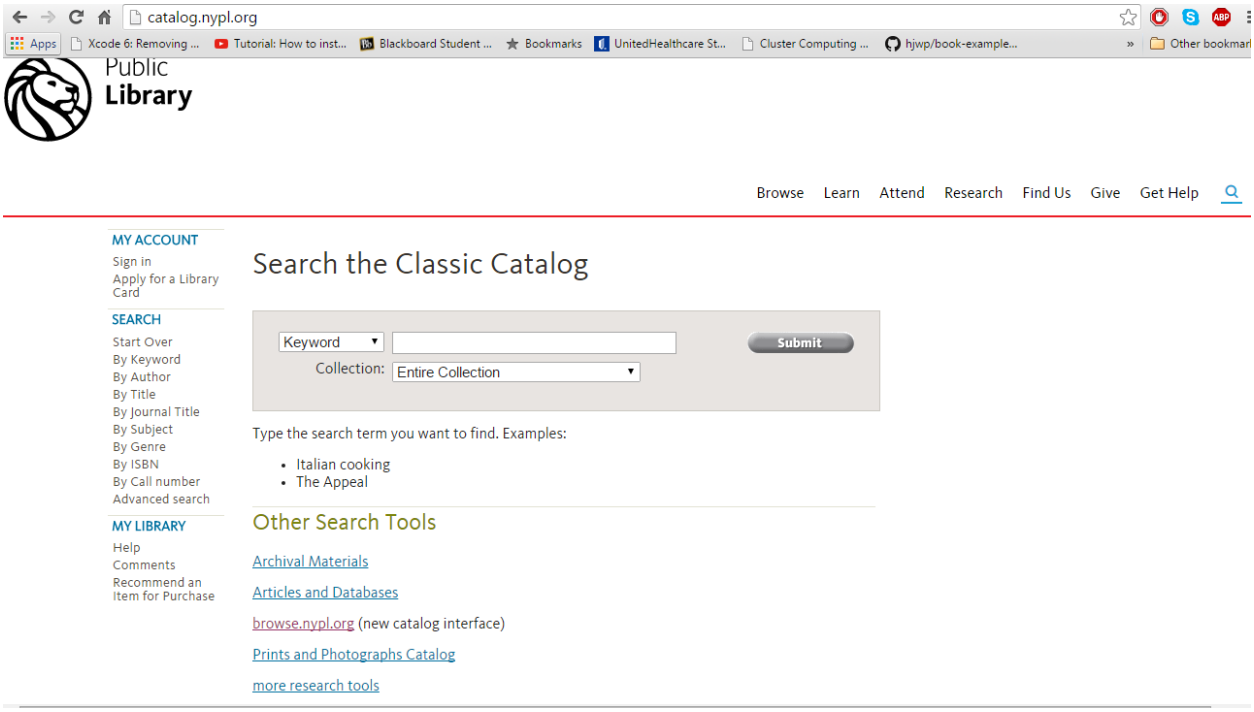
Filtering the results would give the output which could be the desired one. Anyone who visits the web site for the first time, would have a tour over the site and then searches for the books by *title, author, ISBN, journal title, genre, call number, keyword, author.* The searches would refine the outputs and the searches in one website would be same or different from the other site which really doesn't rely on anything.

For suppose, if we search for a book based on a 'Title' in http://catalog.nypl.org/ and searching for the same 'Title' in http://browse.nypl.org/iii/encore/?lang=eng. Then the searches need not be same in both the websites. They can be either same or different outputs.

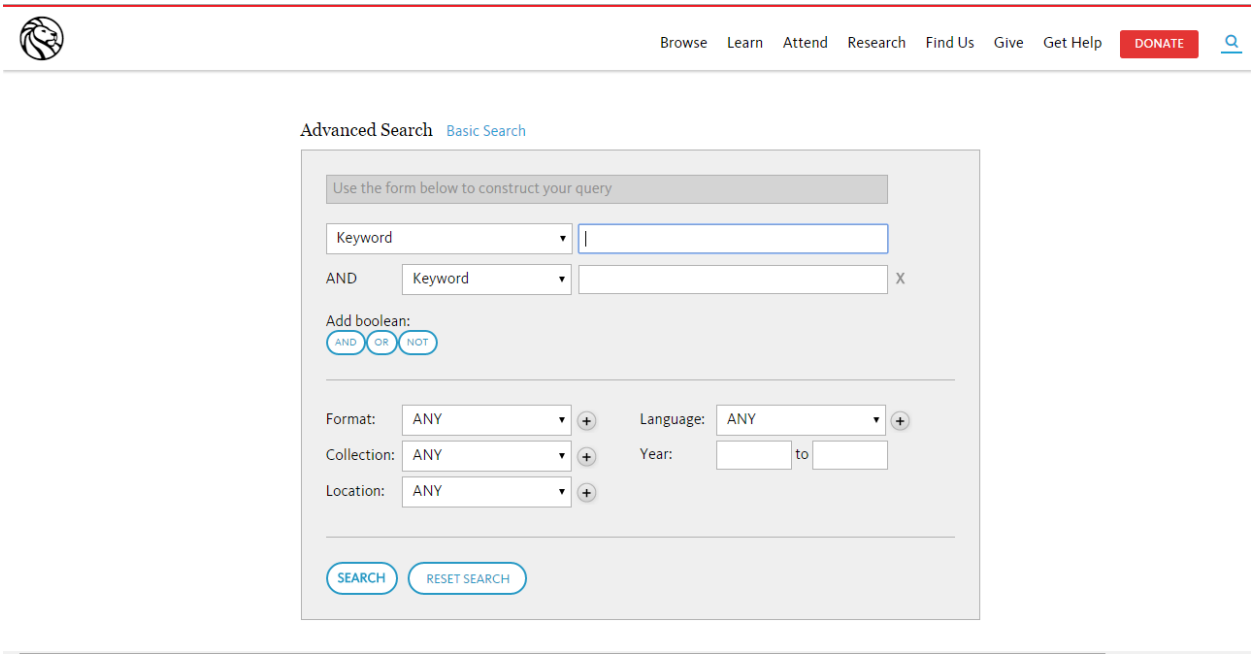
Similarly, we have written 3 test cases which compares the two websites based on 'Title', 'Author', 'Keyword' searches. We compare the searches in the 2 websites by implementing these. The comparisons of two websites are demonstrated clearly with outputs and code.

The two websites are shown as below:

Catalog Website:



Browse website:



Test Methodology

Software testing methodology deals with the practical ideas and proven practices which help in efficient software project management. The software testing methodologies are discussed below:

a) Waterfall model

b) Iterative development

c) Agile methodology

d) Extreme programming

Test methodology is describing the strategy for testing. When planning your methodology, consider:

- Where will the testing takes place?
- Who will perform the tests?
- How will you communicate with and involve participants?
- How will you schedule the testing?
- How will you manage application problems?

In this scenario, the testing is taking place on a couple of websites namely

http://catalog.nypl.org/

http://browse.nypl.org/iii/encore/?lang=eng

The tests are performed by the testers in the organization. This will be performed by the people who knowledge on selenium testing tool, python language in order the write automation test cases.

The users will be communication with the sites directly for checking the books and other resources.

The testing would be scheduled after all the requirements are developed of the website, it is also before the deployment of the websites in the development.

Prototype of a test

Prototyping tools and testing is one of the way to see and test your website before we spend long nights coding and programming. Although the website design process and mockup tools tends to be relatively fluid, the prototyping phase typically focuses on:

- Visual layout
- Interface element design
- Logical flow
- Behavior

CONCLUSION REPORT

Automation Test Cases:

We have implemented automation test cases on two websites with requirements tested on the sites.

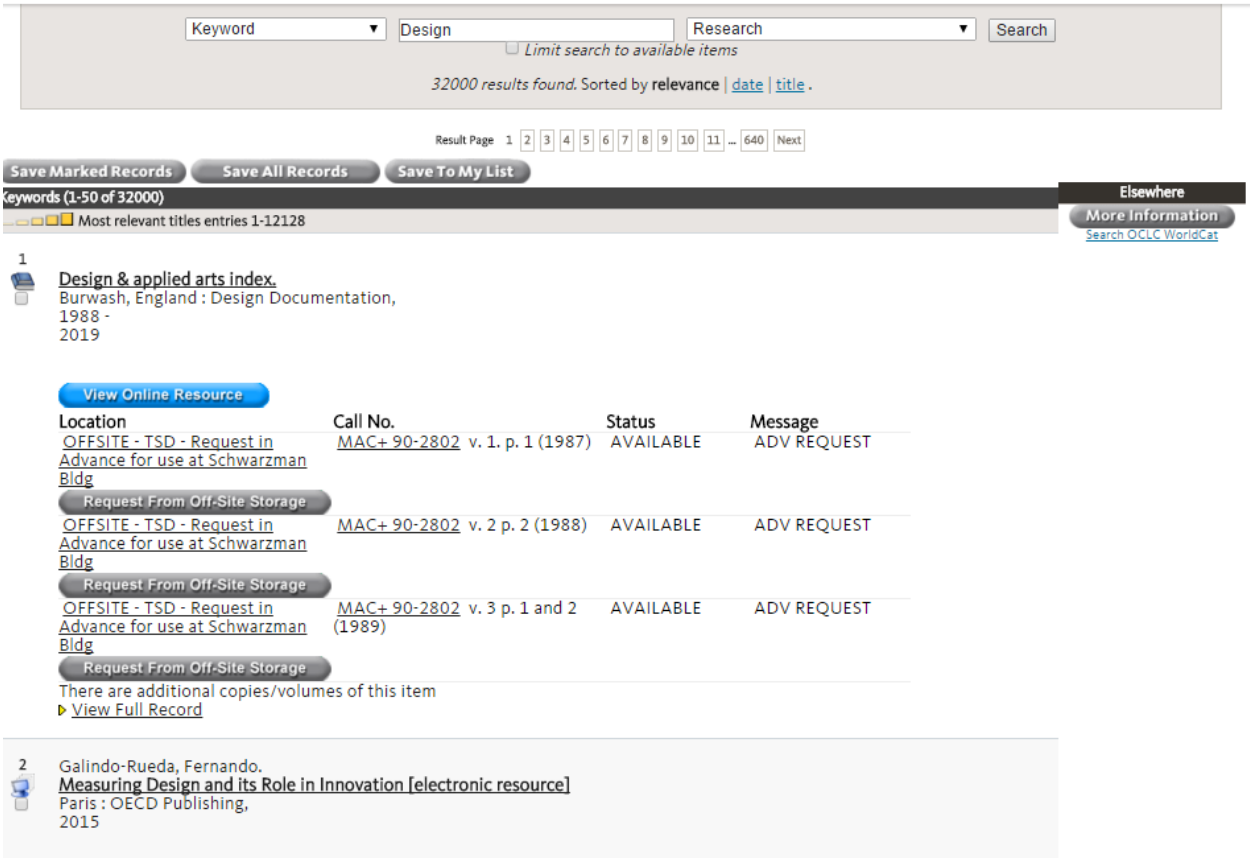
Initially the tested site is: http://catalog.nypl.org/

We have implemented Searches using keyword, title, journal title, author, ISBN, call number, subject, and genre.

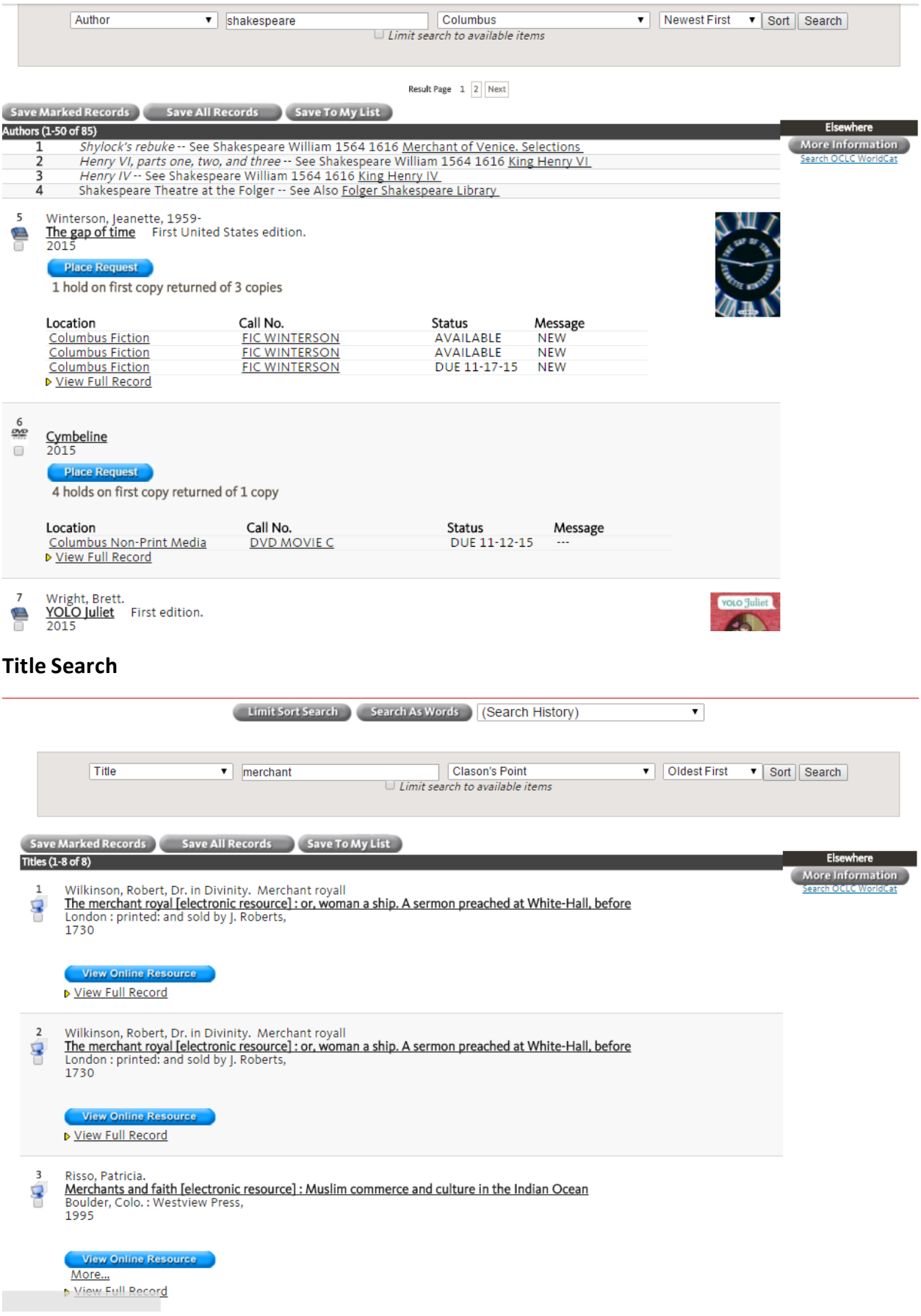
Output:

```
Santosh@Santo MINGW64 ~/Desktop/HomeWork A
$ python catalog.py


Successfully executed the Automatic test cases for:
1) Keyword Search
2) Author Search
3) Title Search
4) Journal Title Search
5) Subject Search
6) Genre Search
7) ISBN Search
8) Call Number Search

Santosh@Santo MINGW64 ~/Desktop/HomeWork A
$
```

Keyword Search

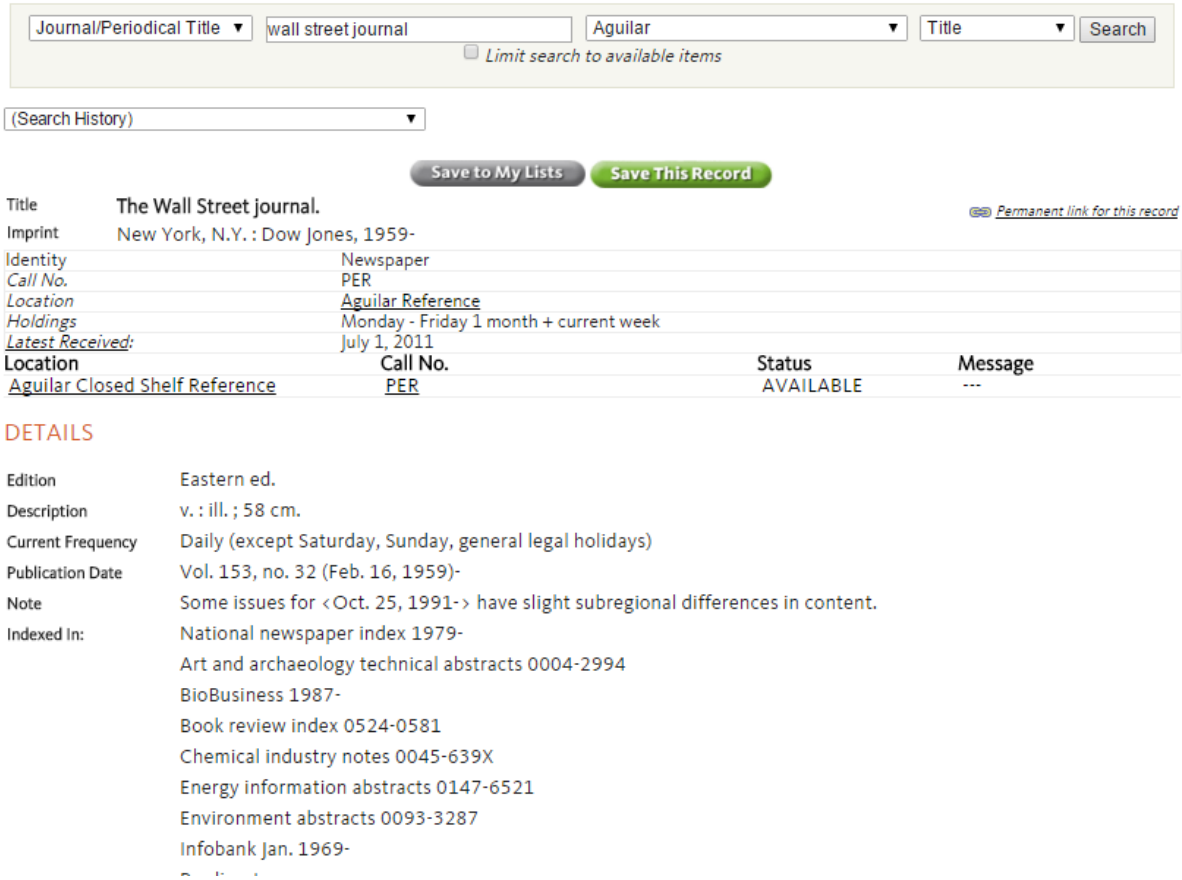


Author Search

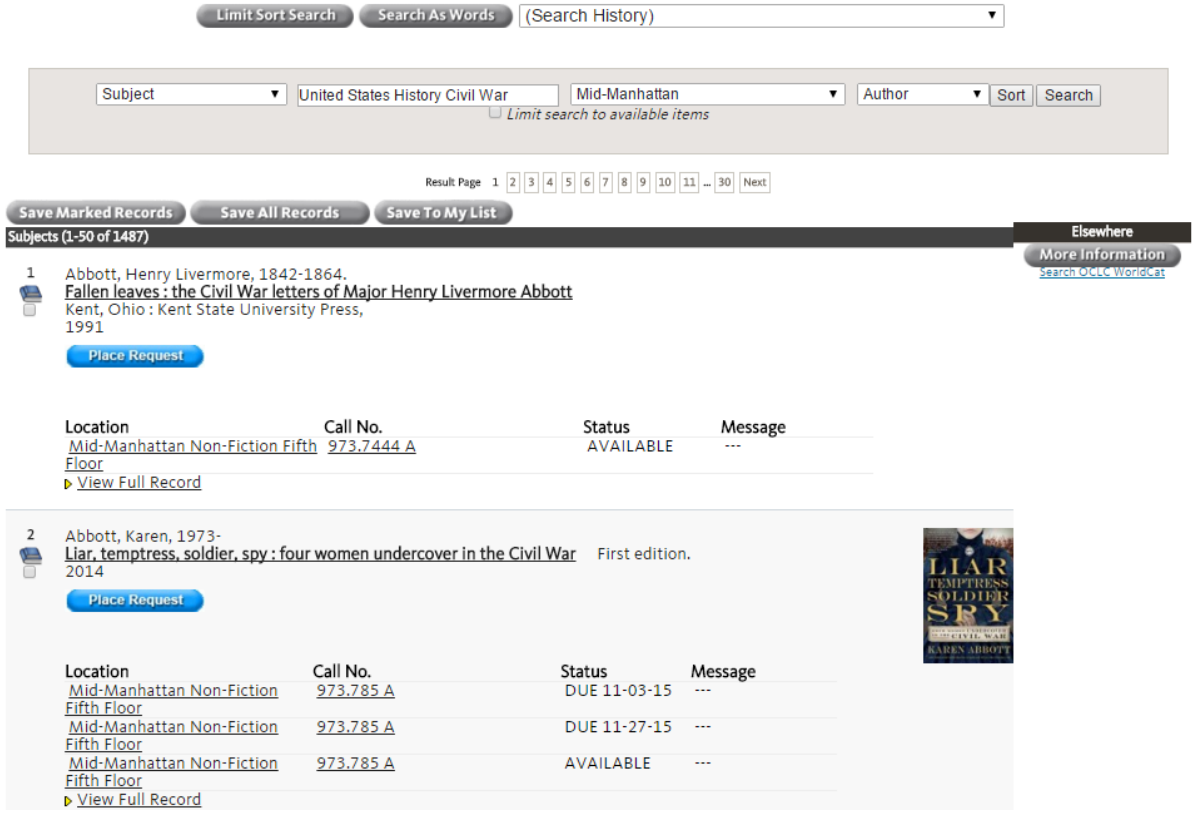


Title Search

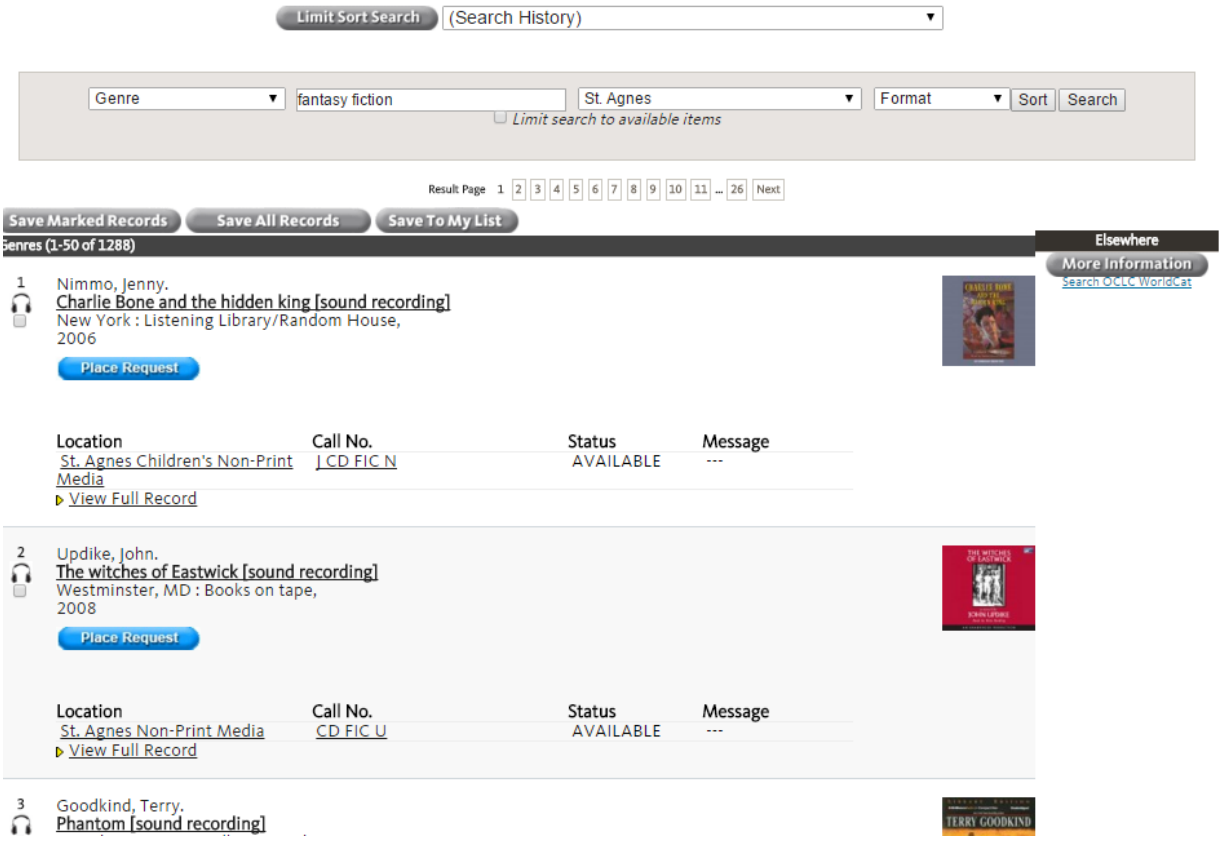
Journal Search



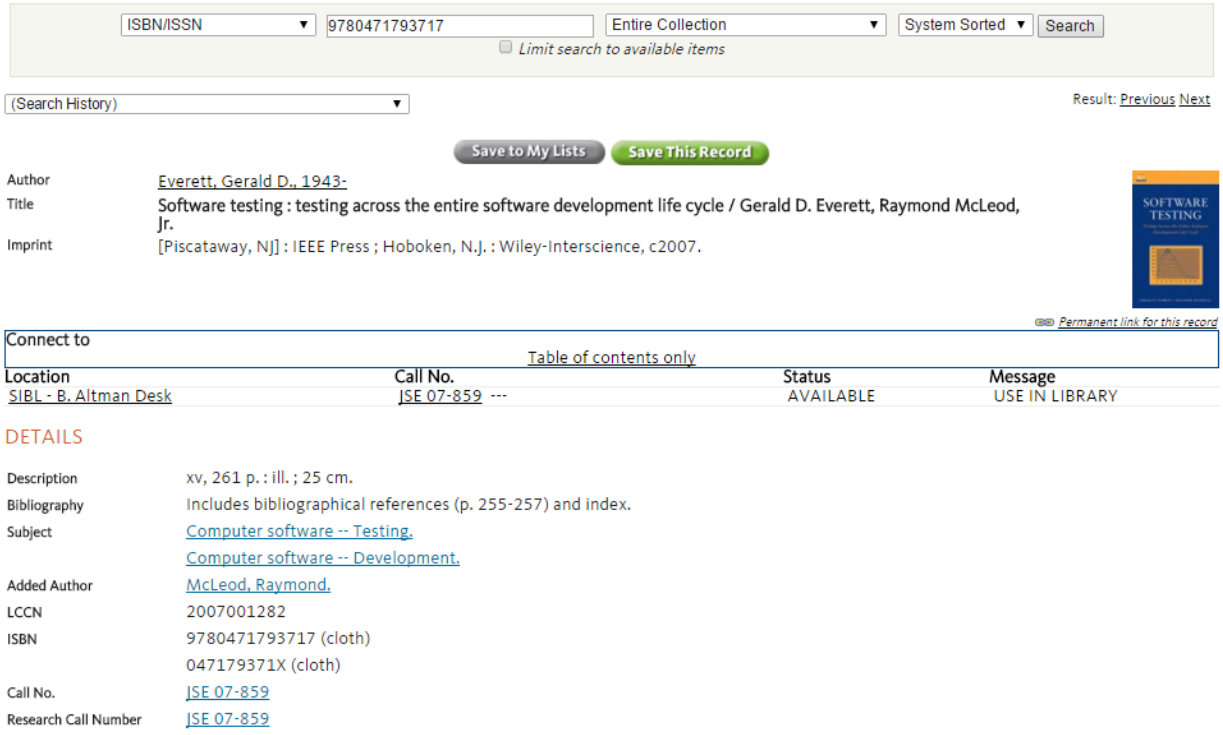
Subject Search



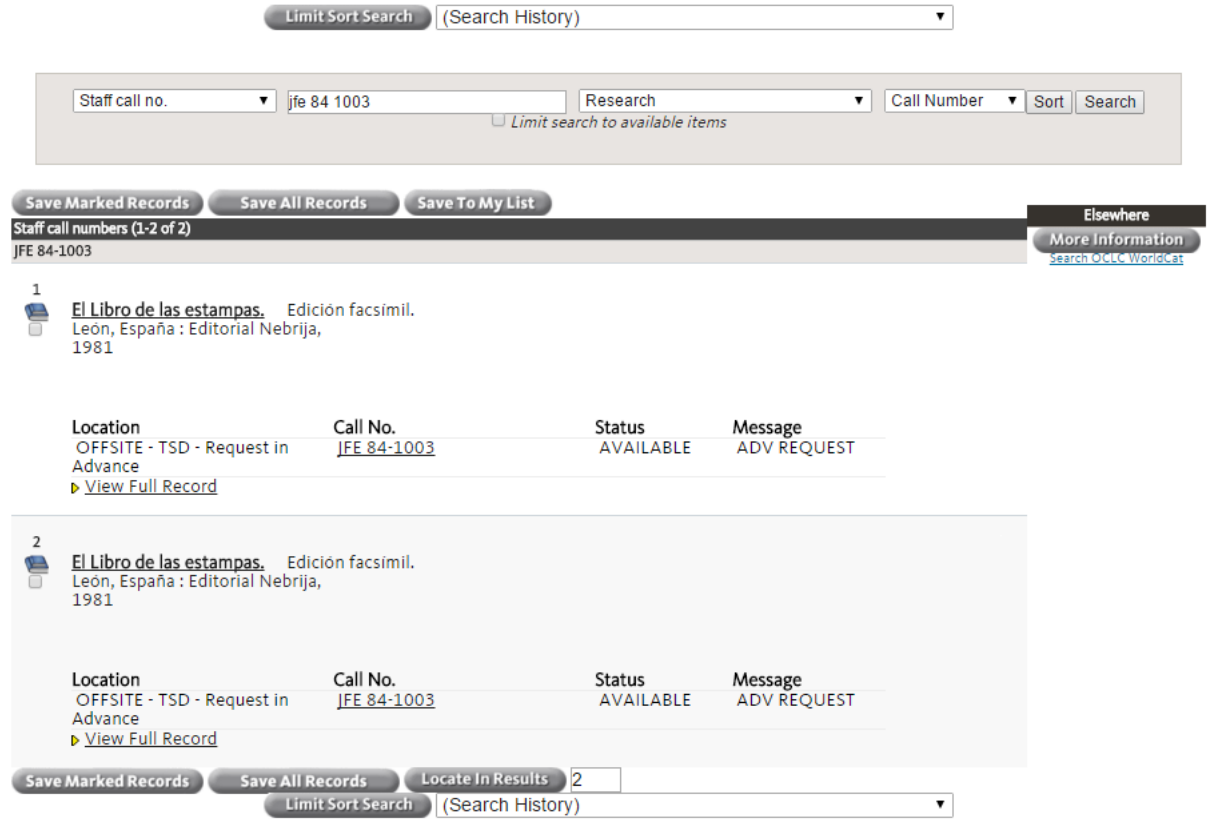
Genre Search



ISBN Number Search



Call number Search



The second site which is tested is http://browse.nypl.org/iii/encore/?lang=eng

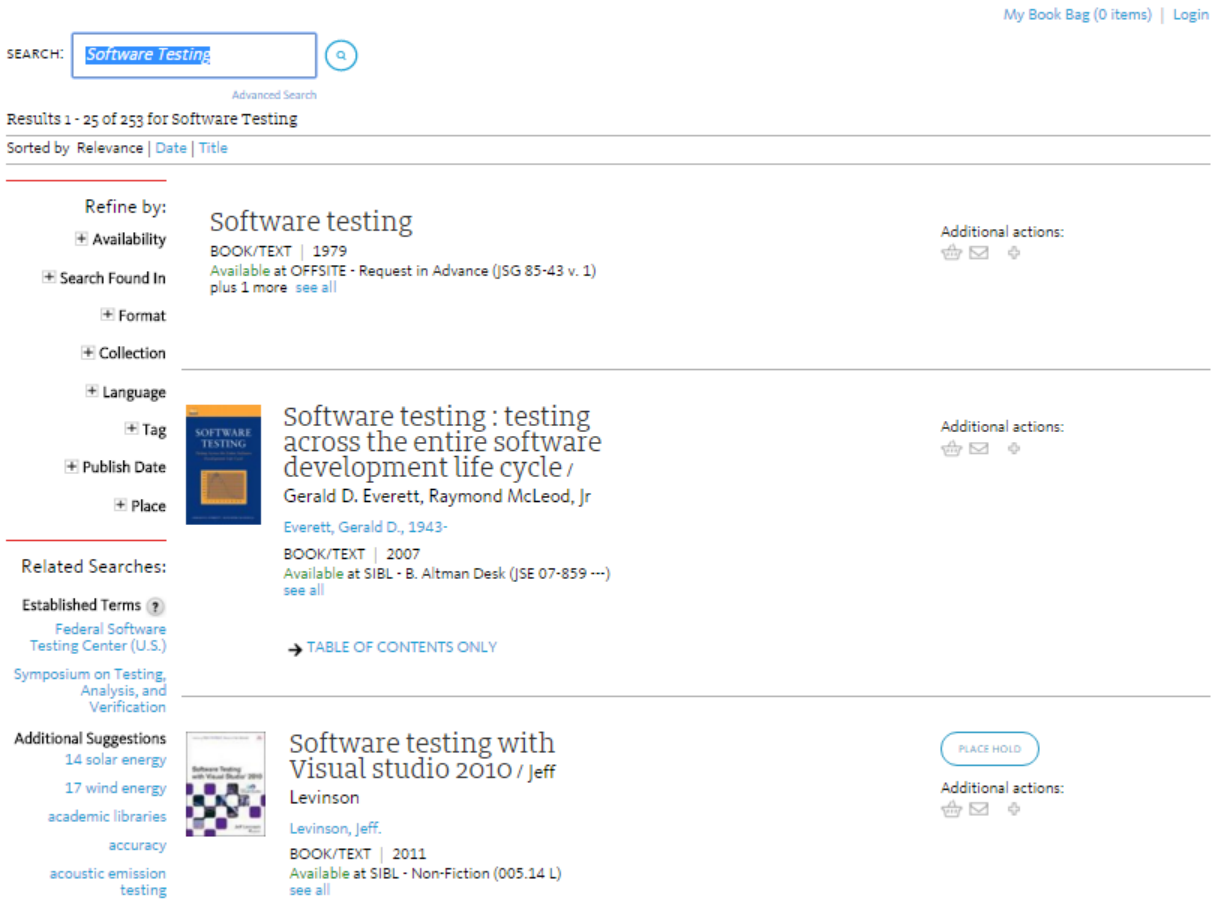
The test cases we have implemented here are:

We have implemented Searches using keyword, title, author, ISBN, Research number

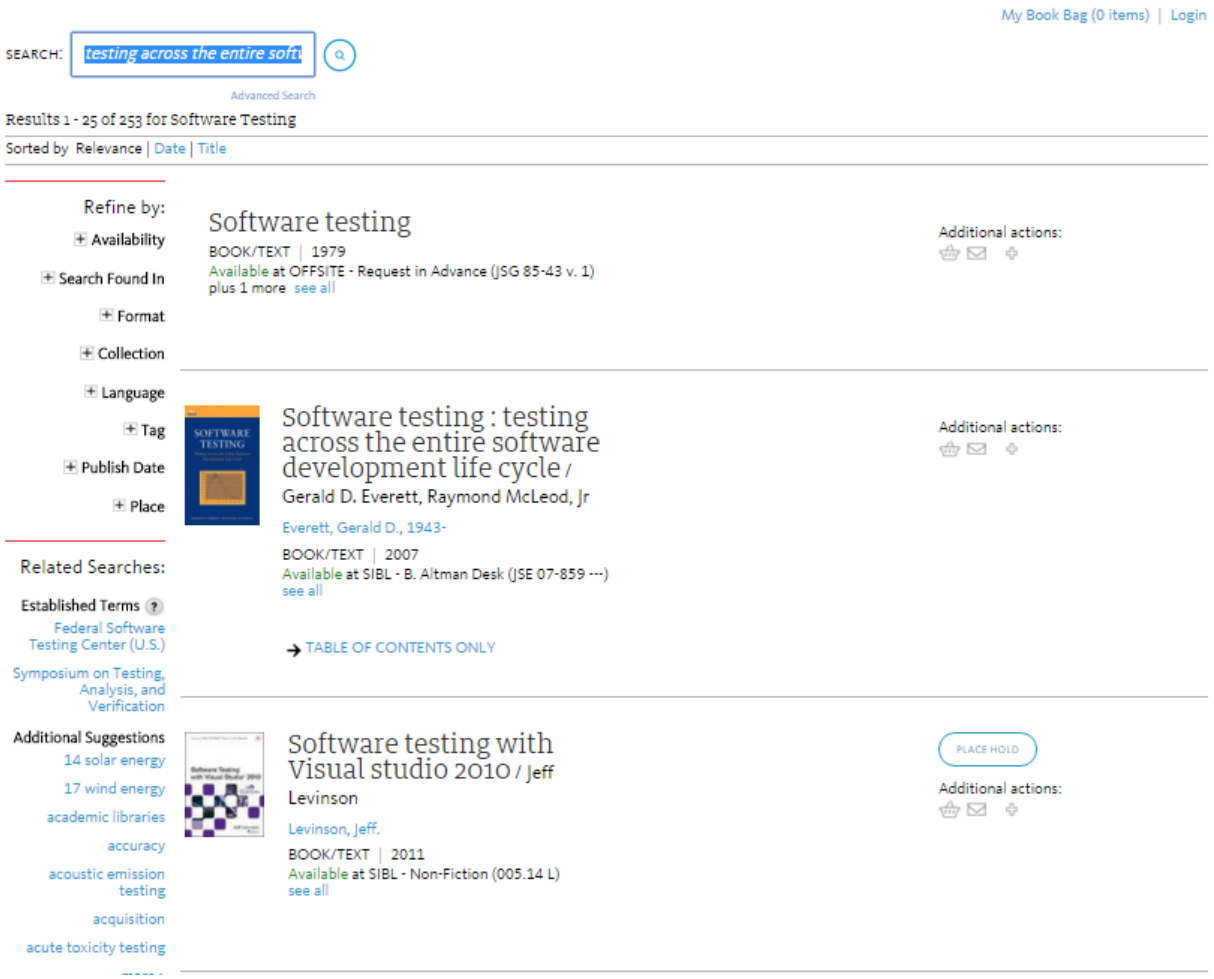
Output:

```
Santosh@Santo MINGW64 ~/Desktop/HomeWork A
$ python Basicsearch.py

Santosh@Santo MINGW64 ~/Desktop/HomeWork A
$ python Basicsearch.py


Successfully executed the Automatic test cases for:
1) Keyword Search
2) Title Search
3) ISBN Search
4) Author Search
5) Research number Search

Santosh@Santo MINGW64 ~/Desktop/HomeWork A
$
```

Keyword Search



Title search



ISBN search

Author search

SEARCH: Everett, Gerald D.

Advanced Search

Did you mean: everett e adam?

Results 1 - 16 of 16 for Everett, Gerald D.

Sorted by Relevance | Date | Title

Refine by:
- Availability
- Search Found In
- Format
- Collection
- Language
- Tag
- Publish Date
- Place

Related Searches:

Additional Suggestions
1941- ann margret
2007-2008 international polar year
african americans
american literature
american sermons
anita ekberg
antarctica
more >

Software testing : testing across the entire software development life cycle /
Gerald D. Everett, Raymond McLeod, Jr
Everett, Gerald D., 1943-
BOOK/TEXT | 2007
Available at SIBL - B. Altman Desk (JSE 07-859 ---)
see all

→ TABLE OF CONTENTS ONLY

Additional actions:

Visual impact in print : how to make pictures communicate: a guide for the photographer, the editor, the designer / [by] Gerald D. Hurley [and] Angus McDougall. Designed by Everett McNear
Hurley, Gerald D.
BOOK/TEXT | 1971
Available at Schwarzman Building - Art & Architecture Rm 300 (MFW 08-6127 ---) see all

Additional actions:

Franklin D. Roosevelt; portrait of a great man / by Gerald W. Johnson. Illustrated with 30 photos. Decorations by Leonard Everett Fisher

Additional actions:

Research search

My Book Bag (0 items) | Login

SEARCH: JSE 07-859

Advanced Search

Did you mean: fst00987859?

Results 1 - 1 of 1 for JSE 07-859

Sorted by Relevance | Date | Title

Refine by:
- Availability
- Format
- Collection
- Language
- Tag
- Publish Date

Related Searches:

Software testing : testing across the entire software development life cycle /
Gerald D. Everett, Raymond McLeod, Jr
Everett, Gerald D., 1943-
BOOK/TEXT | 2007
Available at SIBL - B. Altman Desk (JSE 07-859 ---) see all

→ TABLE OF CONTENTS ONLY

Additional actions:

Advanced Search with AND boolean value

Output:

```
Santosh@Santo MINGW64 ~/Desktop/HomeWork A
$ python AdvancedAnd.py
Successfully implemented Advanced Search with using AND boolean value

Santosh@Santo MINGW64 ~/Desktop/HomeWork A
$
```

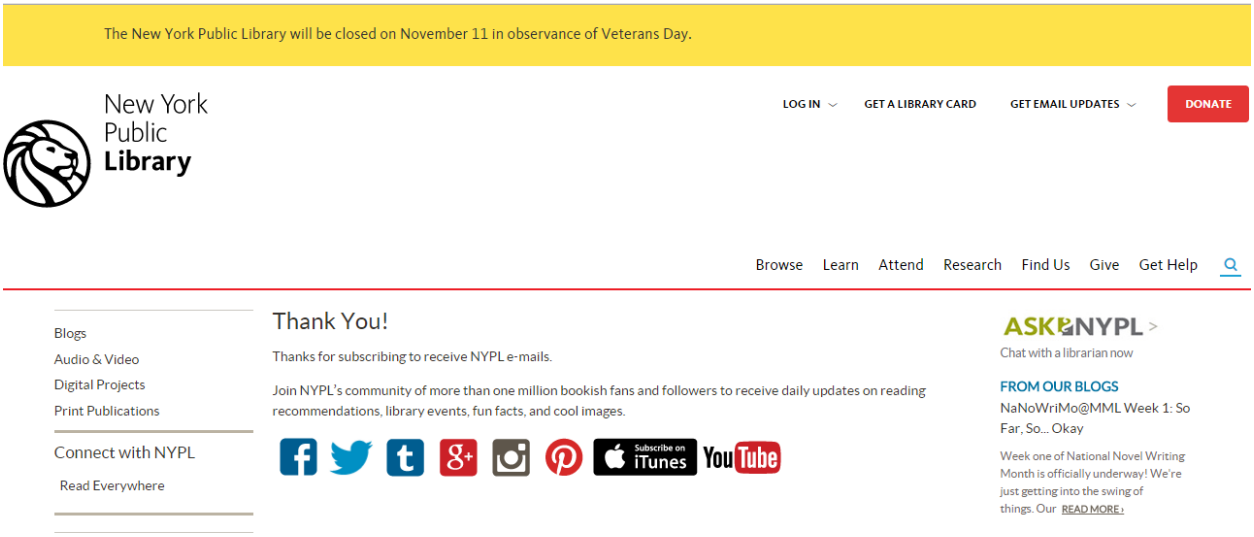
Advanced Search with title AND author

Email subscription:

Output:

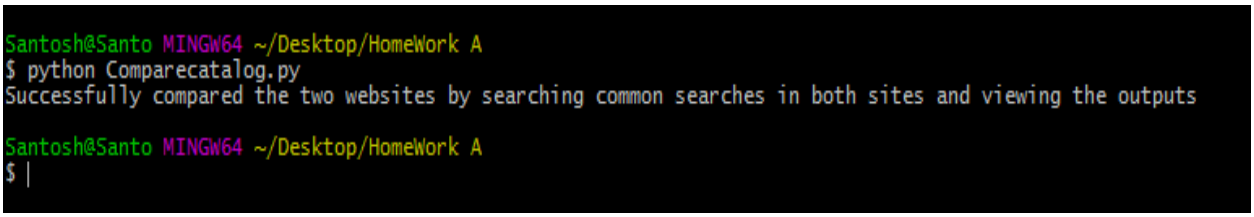
```
Santosh@Santo MINGW64 ~/Desktop/HomeWork A
$ python Email.py
Successfully tested email Subscription

Santosh@Santo MINGW64 ~/Desktop/HomeWork A
$
```

Email subscription with a test email id



Comparing the two websites by searching in 2 sites

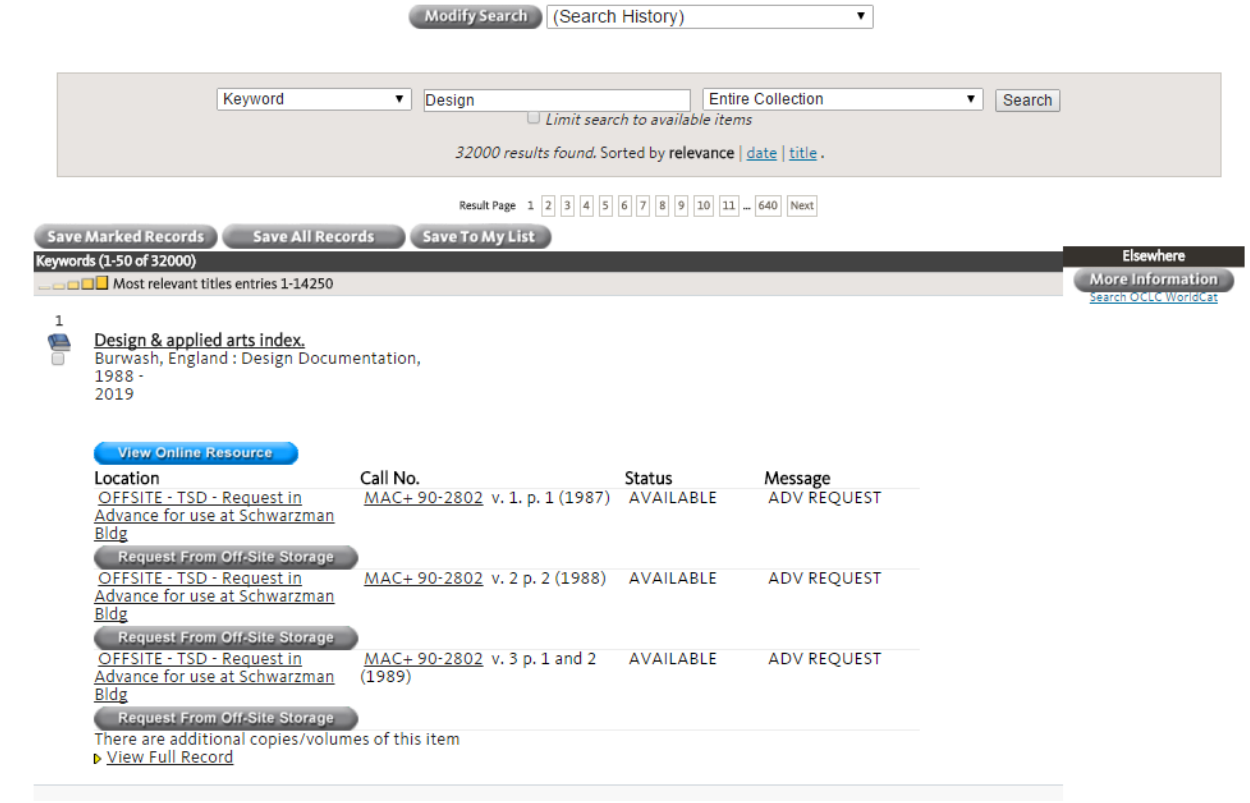
Output:



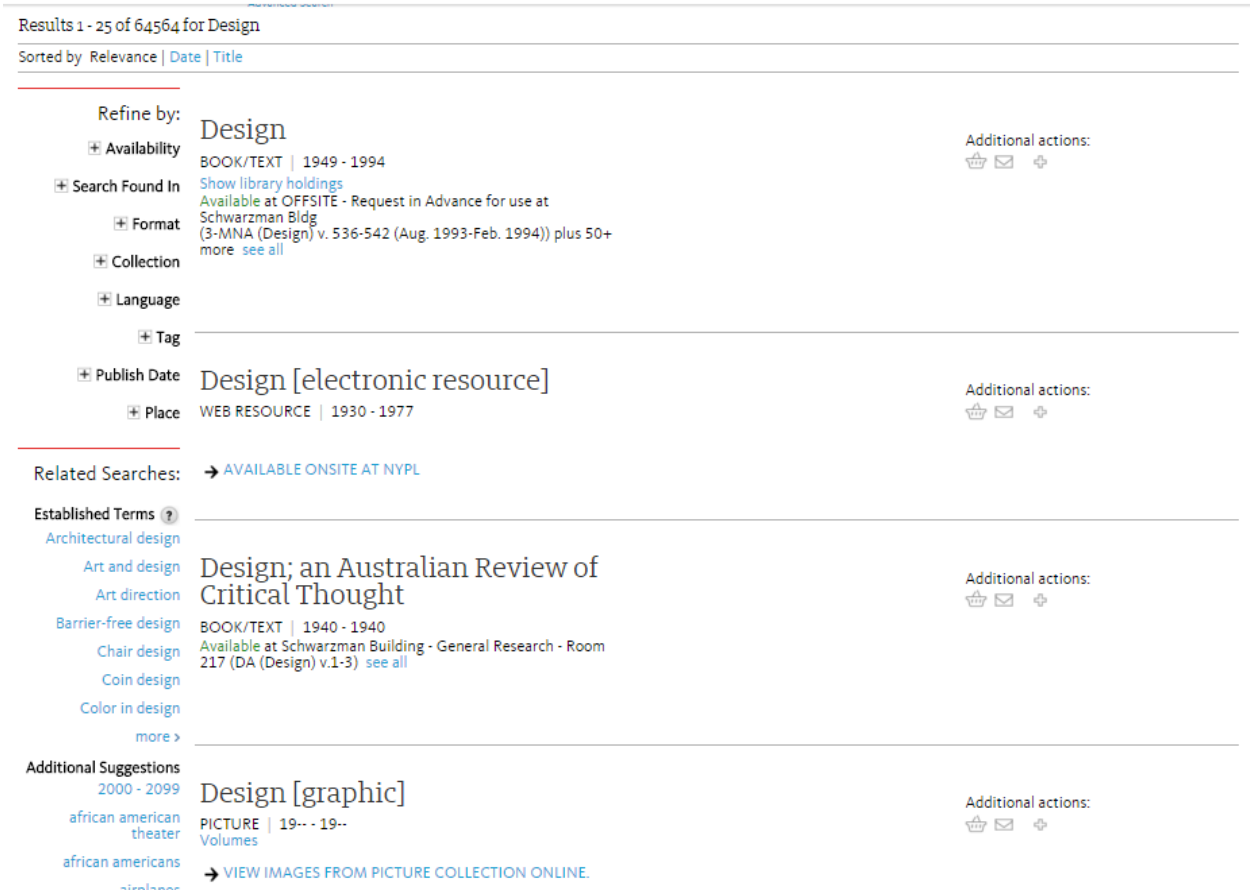
The below are the screenshots of the web-browsers comparing the two web-sites outputs with the same searches.

Comparing the outputs of the two web-sites are shown below:

Keyword as Design (catalog.nypl.org)



Keyword as Design (browse.nypl.org)



Author as Shakespeare (catalog.nypl.org)

Extended Display | Limit Sort Search | (Search History)

Author | shakespeare | Entire Collection | System Sorted | Sort | Search

Limit search to available items

Result Page 1 2 3 4 Next

Save Marked Records | Save All Records | Save To My List

		Authors (1-50 of 157)	Year	Entries 10332 Found
1		*Shakespeare, 1564-1616* -- See Shakespeare, William, 1564-1616		1
2	☐	Shakespeare, A. G. : Papers presented at utilisation of Mineral Resources in Developing Countries Conference in Lusaka. Zambia, 2nd and 5th August, 1977. Edited by A. G. Shakespeare.	1977	1
3	☐	Shakespeare, A. T. : After fifty years : commemorating the fiftieth annual conference of the New South Wales Country Press Association / editorial A.T. Shakespeare ; artwork: E. Guy Martin ; engravings: The Federal Capital Press of Australia Ltd., Canberra.	1900	1
4	☐	Shakespeare and Company.		2
5	☐	Shakespeare & Company (Brescia, Italy) : Musil contro Proust / Arntzen ... [et al.].	1981	1
6	☐	Shakespeare & Company (Lenox, Mass.), producer. : Satchmo at the Waldorf [videorecording] / Long Wharf Theatre, Gordon Edelstein, artistic director, Joshua Borenstein, managing director, Shakespeare & Company, Tony Simotes, artistic director, Nicholas J. Puma, Jr., managing director, Scott and Roxanne Bok, Roz and Jerry Meyer, Ronald Guttman, Shadowcatcher Entertainment, and John LaMattina, present ; executive producers, Joey Parnes, S. D. Wagner, John Johnson ; [written] by Terry Teachout ; directed by Gordon Edelstein ; [video prod. company] Parker/Hodges Productions ; [video producer] Theatre on Film and Tape Archive, Patrick Hoffman, director.	2014	1
7	☐	Shakespeare & Company (Paris, France) : Fire readings : a collection of contemporary writing from the Shakespeare & Company fire benefit readings : Paris, London, New York, Boston / with fireword by Lawrence Ferlinghetti.	1991	1
8	☐	Shakespeare and Company, Publisher. : Ulysses.	1922	1
9	☐	Shakespeare Anniversary Association. : Proceedings of the Shakespearean entertainment given by the Shakespeare anniversary association, at the Grand opera house, New Orleans, La., April 23, 1894.	1894	1
10	☐	Shakespeare Association. : The problem of !The merry wives of Windsor!.	1917	1
11	☐	Shakespeare Association (Great Britain)		22
12	☐	Shakespeare Association of America.		10
13	☐	Shakespeare Association of Japan. : Shakespeare in Japan; an historical survey by Toyoda Minoru.	1940	1
14	☐	Shakespeare Ball Committee. : Shakespeare memorial souvenir of the Shakespeare Ball / edited by Mrs. George Cornwallis-West.	1911	1
15	☐	Shakespeare, Bill. : Powerboat racing.	1968	1
16	☐	Shakespeare Birthday Committee (New York, N.Y.) : Celebration of the 350th anniversary of the birth of Shakespeare : official announcement and committee list.	1914	1
17	☐	Shakespeare Birthday Committee of the City of New York. : Official bulletin and committee list / Shakespeare Birthday Committee of the City of New York	1916	1

Elsewhere

More Information

Search OCLC WorldCat

Author as Shakespeare (browse.nypl.org)

Results 1 - 25 of 31745 for shakespeare

Sorted by Relevance | Date | Title

Refine by:

- Availability
- Search Found In
- Format
- Collection
- Language
- Tag
- Publish Date
- Place

Related Searches:

Established Terms

Shakespeare, William, 1564-1616

Additional Suggestions

a j antoon
academy awards
acting
actors
actors equity association
actresses
adaptations
more ›

Shakespeare [electronic resource]

WEB RESOURCE | 2005 -

→ AVAILABLE ONSITE AT NYPL

Additional actions:

Shakespeare : a magazine for Shakespeare teachers and enthusiasts

BOOK/TEXT | 1996 - 2003

Available at Performing Arts Research Collections – Theatre (MWA 97-66 v. 1-5, no. 3 (fall 1996-fall 2001) (inc.)) plus 1 more see all

Additional actions:

Shakespeare. The journal of the Edwin Booth Shakespeare League

BOOK/TEXT | 1--- -

Available at OFFSITE - Request in Advance for use at Schwarzman Bldg (*NCK++ (Shakespeare)) see all

Additional actions:

Shakespeare / written by Peter Chrisp ; photographed by Steve Teague

Chrisp, Peter, author.

PLACE HOLD

Additional actions:

Title as Merchant (catalog.nypl.org)

Title ▼ | merchant | Entire Collection ▼ | System Sorted ▼ | Sort | Search

Limit search to available items

Result Page 1 2 3 4 5 6 7 8 9 10 11 ... 20 Next

Save Marked Records | Save All Records | Save To My List

		Titles (1-50 of 969)	Year	Entries 1431 Found
1	☐	A merchant.		10
2	☐	The Merchant A-la-mode. To the tune of which no body can deny		3
3	☐	The merchant. A naval lyric: written in imitation of Pindar's spirit. On the British trade and navig / [electronic resource] :	1771	1
4	☐	The merchant. A naval lyrick: written in imitation of Pindar's spirit. On the British trade, and nav		2
5	☐	The merchant : a play in three acts / 1975. / by Arnold Wesker,	1975	1
6	☐	Merchant-accounts by double entry, according to the Italian form		2
7	☐	Merchant adventure.	1959	1
8	☐	A merchant adventurer : being the biography of Leonard Hugh Bentall, Kingston-on-Thames / by Charles Herbert.	1936	1
9	☐	Merchant adventurer in South America.	1931	1
10	☐	Merchant adventurer : the story of W.R. Grace / by Marquis James ; with an introduction by Lawrence A. Clayton.	1993	1
11	☐	Merchant adventurers, 1914-1918, / by F. A. Hook, containing thirty-two page illustrations from photographs.	1920	1
12	☐	De Merchant adventurers in de Nederlanden; een bijdrage tot de geschiedenis van den engelschen hande / door dr. C. te Lintum.	1905	1
13	☐	Merchant adventurers in the East / Anne Lonsdale ; illustrated from contemporary sources.	1980	1
14	☐	The Merchant Adventurers of Bristol in the fifteenth century / [microform].	1962	1
15	☐	The Merchant Adventurers of England : the Company and the Crown, 1474-1564 / Douglas R. Bisson.	1993	1
16	☐	Merchant adventurers; the story of a sea commerce, / by Blake Barton; illustrated by Fred A. Mayer ...	1936	1
17	☐	Merchant adventurers : the voyage that transformed Tudor England / James Evans.	2013	1
18	☐	Merchant airmen, / the Air ministry account of British civil aviation, 1939-1944, prepared by the Ministry of information.	1946	1
19	☐	Merchant Airship Bill hearings before the United States House Committee on Interstate and Foreign Co / [electronic resource] :	1932	1
20	☐	Merchant airship bill. Hearings, Seventy-second Congress, first session on H.R. 8681. March 10, 11,	1932	1
21	☐	The merchant an oration before the Rhode Island Alpha of the Phi Beta Kappa Society, at Providence,		2
22	☐	Merchant and banker ... a journal devoted exclusively to business interests.	187- -	1
23	☐	Merchant and craft guilds. A history of the Aberdeen incorporated trades, / by Ebenezer Bain.	1887	1
24	☐	Merchant and dealer credit in agriculture: data from the 1960 sample survey of agriculture / [by] Wilellyn Morelle, Leon Hesser [and] Emanuel Melichar.	1966	1

Elsewhere

More Information

Search OCLC WorldCat

Title as Merchant (browse.nypl.org)

My Book Bag (0 items) | Login

SEARCH: merchant

Advanced Search

Results 1 - 25 of 12555 for merchant

Sorted by Relevance | Date | Title

Refine by:

- Availability
- Search Found In
- Format
- Collection
- Language
- Tag
- Publish Date
- Place

Related Searches:

Established Terms

Bindon, David, -1760

Carr, Frank, 1834-1894

Clement, Simon

Defoe, Daniel, 1661?-1731

Hanway, Jonas, 1712-1786

Henshaw, David, 1791-1852

O'Brien, Lucius Henry, Sir, -1795

more ›

Additional Suggestions

The merchant / Wendy Mead

Mead, Wendy.

BOOK/TEXT | 2014

Available at Bloomingdale Children's Non-Fiction (J 381.09 M) plus 4 more see all

PLACE HOLD

Additional actions:

The merchant : a play in three acts / 1975 / by Arnold Wesker

Wesker, Arnold, 1932-

MANUSCRIPT | 1975

Available at Performing Arts Research Collections – Theatre (NCOF+ 11-3322) see all

Additional actions:

Merchant / [1972] / [by Mary M. Middleton]

Middleton, Mary M.

MANUSCRIPT | 1972

Available at Schwarzman Building - Milstein Division Rm 121 (NYGB G M 5357 ---) see all

Additional actions:

Merchant : typescript

Additional actions:

Conclusion:

In my view, I feel the new catalog is better than the old web-site. The new site has many options to refine the search results. The efficiency of the new catalog is more when compared to old website. The time taken for seaching any search in the new catalog is taking less amount of time when compared to the time taking for searching to search any item in the old catalog.