Millennium and Web 2.0 applications

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Anette Lessing
Library Systems Administrator
Department of Library Services
University of Pretoria
Content

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• Web 2.0 in Higher Education
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What is Web 2.0

• Web 2.0 refers to a bunch of online technologies such as RSS, podcasts, blogs, wikis, tagging, social networks, user-created content, etc.

• “In Web 2.0 many more users generate, consume and transform material posted on the web…”

• “With Web 2.0, the web can also become a platform that enables groups of users to socialize, collaborate and work and play together.”

Franklin & van Harmelen (2007)
2.0 Terms

- **Biblioblogosphere** (jocular): The world of library blogging
- **Blog**: from web + log: an easily-updated web diary/journal
- **Blogosphere**: the larger world of blogging
- **Chat**: IM (instant messaging): interactive, real-time, text-based conversation
- **Comment**: A user contribution to an entity
- **Folksonomy**: ad-hoc taxonomies generated for online content
- **Podcast** (from iPod + cast): an RSS-distributed audio file, usually MP3
- **Post**: an entry on a blog
- **Mashup**: two or more services combined into a third
- **Radical trust**: allowing users to drive/define services and content
- **Rating**: an assessment, usually online, such as four stars for a book
- **Remix**: mixing two or more pots of content to get a third
- **RSS**: Really Simple Syndication—enables rapid republication, or syndication, of web content (text, video, audio, etc.)
- **Tag**: a keyword or phrase used in a folksonomy
- **Tag cloud**: a visual representation of part of a folksonomy
- **Vlog**: video blog

Schneider (2007)
Web 2.0 Memo Map

O’Reilly (2005)
Web 2.0 in Higher Education

• The use of Web 2.0 technologies in Higher Education is internationally viewed as a new phenomenon and in its initial phase of integration into teaching and learning models.

• Web 2.0 will affect how universities go about the business of education, from learning, teaching and assessment ....

• Web 2.0 is a technology with profound potential for inducing changes in the HE sector.

Franklin & van Harmelen (2007)
Web 2.0 in Higher Education

- Create exciting new learning opportunities
- Greater student independence and autonomy
- Enables groups of users to socialize, collaborate and work and play together
- Allow researchers to share knowledge
- Exchange ideas and easily publish works
- Social networking among distance students

Franklin & van Harmelen (2007)
Web 2.0 and Millennium

- Relevancy Ranking (WebPACPro)
- User Reviews (WebPACPro)
- User Tagging (Third Party)
- Spell Check (WebPACPro)
- User Ratings (WebPACPro)
- RSS Feeds (WebPACPro)
- Amazon Reviews and Bookjackets (Third Party)
- Social Bookmarking/Networking (Third Party)
- Skype (Third Party)
- Blogs (Third Party)
Relevancy Ranking (WebPacPro)

• Results of Keyword and Advanced Keyword search are automatically ranked by relevance

• Brings the best results to the top

• Ranking groups
  – Most relevant results
  – Highly relevant results
  – Very relevant results
  – Relevant results
  – Other relevant results
What is relevancy ranking?

The results of Keyword and Advanced keyword search are automatically ranked by relevancy and appear in up to 5 groups, from Most relevant to Other relevant. This is intended to bring the best results to the top. Titles within each group are sorted by publication date, newest to oldest.

**Most relevant results**

Group 1 contains the most relevant results; the search phrase or phrases appear in the primary titles. (Example: search the phrase “vegetarian Cooking.” The title, “Vegetarian Cooking for dummies” is considered Most relevant because the phrase “vegetarian cooking” appears in the main title).

**Highly relevant results**

Group 2 contains highly relevant results; the search phrase appears in the subtitle or other title information (Example: the title, “Jump up and kiss me: spicy vegetarian cooking” is considered Highly relevant because the phrase “vegetarian cooking” appears in the subtitle).

**Very relevant results**

Group 3 contains very relevant results; the search phrase found anywhere other than the main title fields, such as in the contents, series notes, or subject headings (Example: the title, “Cooking the polish way” is considered Very relevant because the phrase “vegetarian cooking” is in the summary).

**Relevant results**

Group 4 contains relevant results which further subdivides multiple keyword searches. The terms in the search phrase separately appear in the primary title and/or subtitle (Example: the title, “Everyday Greens: home cooking from Greens, the celebrated vegetarian restaurant” is considered Relevant because the terms “vegetarian” and “cooking” appear in the title and subtitle, not as an adjacent phrase).

**Other relevant results**

Group 5 contains the remaining results which the terms in the search phrase are found anywhere in the record (Example, the title, “The Ianus Ranch: cooking for kids and cowboys” is considered Other Relevant because the term “cooking” appears in a subtitle and the term “vegetarian” appears in a subject heading.)
User Reviews (Product 201WPR)

- Allow patrons to compose a review for catalogue materials which displays in the public catalog
- See a listing of your past reviews in your patron record
Tagging

• Think of a tag as a keyword or category label.

• Libraries can integrate LibraryThing’s tags into their catalogue

• These tags reside on the LT database servers and with some scripting it is extracted from their database and downloaded when accessing a record on your WebOPAC

• Fee based on circulation count ($0.003-$0.006) with a minimum of $1000/year

www.librarything.com
Tagging Example

Published: Berkeley, Calif.: New Riders/Hayden, 2005

Click on the following to access online:
Table of contents only

Copy Status More Details Find Similar Items Full Record

Description: x, 270 p. : ill. ; 23 cm
Note: Includes index

Author: Cederholm, Dan

Subject: XHTML (Document markup language)
Cascading style sheets
Web site development

Similar Books:
The zen of CSS design : visual enlightenment for the web / by Dave Shea and Molly E. Holzschlag by Shea, Dave
CSS mastery : advanced web standards solutions / Andy Budd ; with Cameron Moll and Simon Collison by Budd, Andy
Don't make me think! : a common sense approach to Web usability / Steve Krug ; [foreword by Roger Black] by Krug, Steve
CSS Cookbook / Christopher Schmitt by Schmitt, Christopher
Head first HTML with CSS & XHTML / Elisabeth Freeman, Eric Freeman by Freeman, Elisabeth

Tags:
computers css design development html internet programming standards
tech web web design web development xhtml

LOCATION: Stacks/Top Floor
CALL NO.: TK5105.888 C43 2006
STATUS: NEW ITEM +2 HOLDS
Spell Check (Product 210WS)

- Provide extra patron assistance for keyword searching
- Offers the option to see and search additional spelling
Spell Check Example

Advanced Keyword Search

Please fill in the form, select limits, and click Submit (or choose a Simple Keyword Search).

Any Field: psychology

Did you mean:
- psychology
- psychological
- psychologists

Search and Sort: sorted by relevance

Limit search to available items
User rating

- In general, **rating** is the evaluation or assessment of something, in terms of quality (as with a critic rating a novel), …

Wikipedia
<table>
<thead>
<tr>
<th>AUTHOR</th>
<th>steel d</th>
<th>View Entire Collection</th>
</tr>
</thead>
<tbody>
<tr>
<td>System Sorted</td>
<td>Sort</td>
<td>Search</td>
</tr>
<tr>
<td>Circulation History</td>
<td>Limit search to available items</td>
<td></td>
</tr>
</tbody>
</table>

### AUTHORS (1-3 of 3)

**Steel Danielle**

<table>
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<th>Year</th>
<th>Title</th>
<th>Location</th>
<th>Call No</th>
<th>Status</th>
<th>Note</th>
</tr>
</thead>
<tbody>
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<td>Irresistible forces</td>
<td>Corgi Books, 2000.</td>
<td>23 STEEL</td>
<td>DUE 27-08-07</td>
<td>7:00AM +1 HOLD</td>
</tr>
<tr>
<td>1992</td>
<td>No greater love</td>
<td>Corgi, 1992.</td>
<td>823 STEEL</td>
<td>IN</td>
<td>---</td>
</tr>
</tbody>
</table>

**User Rating Example**

- **Excellent/Highly recommended**
- **Never been rated**
### My Ratings (5)

<table>
<thead>
<tr>
<th>Mark</th>
<th>Title</th>
<th>Ratings</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Angels &amp; demons / Dan Brown.</td>
<td>⭐⭐⭐⭐⭐</td>
</tr>
<tr>
<td></td>
<td>Angels and demons / Dan Brown.</td>
<td>⭐⭐⭐⭐⭐</td>
</tr>
<tr>
<td></td>
<td>Deception point / Dan Brown.</td>
<td>⭐⭐⭐⭐⭐</td>
</tr>
<tr>
<td></td>
<td>Digital fortress / Dan Brown.</td>
<td>⭐⭐⭐⭐⭐</td>
</tr>
<tr>
<td></td>
<td>Irresistible forces / Danielle Steel.</td>
<td>⭐⭐⭐⭐⭐</td>
</tr>
</tbody>
</table>

**Last updated: 9/2007**

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RSS Feeds

• An RSS feed automatically checks a website and downloads new content (to your browser or feed reader) so you can see what is new since you last visited the feed.
Why do you want to use feeds?

• Scrutinize large amounts of info on web-based sites without accessing the sites individually

• Easy way to keep track of new info in specific areas of interest

• Peruse daily headlines from various web sites in one place (your Feed Reader or Web Browser)
Millennium Feedbuilder (Product 201FB)

- Can **construct own outgoing RSS feeds** containing catalogue information specified in saved boolean lists or review files.

- These feeds allow the library to **perform strategic dissemination of information** for use by patrons in their feed readers or by the library in their own web pages.
University of Pretoria. Economics and Management Science new material

Financial management: theory and practice / Eugene F. Brigham, Michael C. Ehrhardt

18 October 2007, 09:55:33 AM

Social health insurance / Hsiao and R. Paul Fraker ... [et al.]

18 October 2007, 09:55:33 AM

IT auditing: using @ Risk / Chris Davis, Mike Davis. 2nd ed.

18 October 2007, 09:55:33 AM


18 October 2007, 09:55:33 AM
My Record Feeds (Product 201WMR)

• Provides a personalized RSS feed of timely patron record information such as "Materials ready for pickup on hold shelf" or "Materials due soon", etc..
My record Feeds

Subscribe to my record feeds

Library Feeds (RSS 2.0)
- My Library Feeds
- New Item (Received)
- New Orders (Not Yet Received)
Amazon Reviews & Book jackets

• Enables user reviews, tagging, social networking, more information on book, etc.
Social bookmarking

• Collection of favorites that allows you to store and share bookmarks on the web

• Users discover and rate webpages
Social bookmarking Example
Social Networking

• **Facebook** is a social networking website that allows people to communicate with their friends and exchange information/share ideas

• Opportunity for knowledge/build peer relationships

• Possible to make your WebOPAC search available from Facebook

• Invite people to use the application
Search the catalogue from Facebook
Facebook Example

Gadgets, Widgets and Applications

Add a Quick Search of books, DVDs, and journal articles to your Facebook account. You can even easily check Library hours and news.

Canisius Library Quick Search

Find Books, DVDs and more ...

Need more help? Chat with us now
Innovative Users Group

Information

Group Info
Name: Innovative Users Group
Type: Organizations - Professional Organizations
Description: For librarians, staff and other interested parties who work at libraries served by Innovative Interfaces software.

The Innovative Users Group was founded in 1991 as an international organization of member libraries who use the Innovative Interfaces, Inc. integrated library software, INNOPAC. It is an independent organization from Innovative Interfaces, Inc. The IUG is led by the Steering Committee whose members are elected by the general membership. It consists of a Chair, Vice Chair/Chair Elect, Past Chair, Secretary, Treasurer, and four Members at Large. All members of the Steering Committee volunteer their services to the organization.

Contact Info
Website: http://www.innovativeusers.org/

Recent News
The most recent IUG meeting was in San Jose, California in May 2007. Almost 1700 library staff and librarians attended the meeting at the San Jose Convention Center.

Related Groups
Librarians and Facebook
Organizations - Academic Organizations
Library 2.0 Interest Group
Internet & Technology - Websites
NextGen Librarians
Business - Employment & Work
Facebook Apps For Libraries
Internet & Technology - Software
American Library Association Members
Organisations - Advocacy Organizations

Group Type
This is an open group. Anyone can join and invite others to join.

Admins
- Corey Seeman (Michigan)
Skype

• **Skype** is a software program that users use to make telephone calls from their computer to other Skype users free of charge, or to landline and cell phone at a fee
You must be a registered library patron to access library e-resources. You need to input your surname, your student/personnel no. and PIN.

If you do not have a PIN:
Type only your Surname and Student No. (8 digits) or Personnel No. (7 digits) and two new PIN input boxes will appear and type in the same PIN of your choice in both boxes (4 to 30 characters).

Keep your pin confidential at all times. If there are more than five failed attempts to log on, the patron account for 3 minutes.

Enquiries: Main Library (Tel. +27 12 420 2804), Vet Library (Tel. +27 12 529 8009), Medical Library (Tel. +27 12 354 2298), GIRS (Tel. +27 11 771 4322), Groenkloof Library (Tel. +27 12 420 5536), Mamelodi Library (Tel. +27 12 842 3565), Law Library (Tel. +27 12 420 2317)
(Weekly 10.00 - 21.00 & Saturdays 10.00 - 13.00)

Please enter the following information:

Your Surname eg: haupt

Student/Personnel no. eg: 27438923

Enter PIN Leave empty if you have no PIN
Blogs

• A blog (web log) is a website where entries are written in chronological order

• Readers can leave comments in an interactive format
“We use Innovative Interfaces' Millennium library system, but our website and catalog are powered by Drupal, an open source content management system (http://drupal.org). We developed a drupal module that accesses our III catalog on the user's behalf and then adds in functionality before presenting the results to the user, enabling us to offer features to the public that our system does not inherently support....”
• Users share locally developed resources with other IUG members

http://www.innovativeusers.org/clearinghouse
What is the IUG Clearinghouse?

In 2003, a volunteer working group was formed to help develop a clearinghouse where innovative users share locally developed resources with other users. The benefit of IUG membership and allow users to share tutorials, resources that would supplement the INNOPAC/Millennium users. CSDirect. While the material supplied by Innovative Interfaces is owned by the Clearinghouse, the material on the Clearinghouse could reflect the libraries have contributed. This will allow the library system to share resources that are available to them. Please select your search criteria and click the Search button.

Search the IUG Clearinghouse -- Click here for advance search.

Browsing Options: Please note that not all categories have been filled.

- Please select Material Type -

Search the clearinghouse
What about Web 3.0?

• Not an upgrade of web 2.0

• Development on web architecture that gives more meaning for content
  (includes transforming the Web into a database)

• Artificial intelligence technologies
  (Semantic web, Geospatial Web, 3D web)
In conclusion: Millennium and Web 2.0

Rating

Client Reviews

Tagging

RSS Feeds

Social bookmarking

Amazon Reviews/Bookjackets

Relevance ranking

Facebook
References & Further Reading


Thank you

Presentation available from the University Repository (UPSpace)

https://www.up.ac.za/dspace/