

Integrating RSS Feeds of New Library Acquisitions into a Course Management System

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<http://www.tcnj.edu/~corrado/scholarly/vale2006/>

101001010100111101000010010111010010 11010101010111010000410001010010100
004100001010010100100101000010110100101014000011110100101010011101000010010111010010
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A decorative graphic at the bottom of the slide features a horizontal band of binary code (0s and 1s) in white and orange. Below this band, there are several overlapping circular and semi-circular shapes in shades of orange, grey, and white, creating a modern, digital aesthetic.

Managing Constantly Updating Information: RSS



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Can we help you find something? **Search** All Products

Shop [All Departments](#)

Target : [Weekly Ad](#) : [Item Detail](#)

OFFERS GOOD THRU
01/07/2006

[BACK](#)

[VIEW STORE SHOPPING LIST](#)

[STORE LOCATOR](#)

[WEEKLY AD E-MAIL REMINDER](#)

Add RSS Feed
Weekly Ad highlights early:
Get a jump on Sunday's paper.

Search Ad by Keyword

Browse by Department

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Your Location

Trenton, NJ



Milano Collection upholstered chair and ottoman

\$135, Reg. 169.99, chair

Feature soft mocha microfiber fabric and solid wood frame.

- Ottoman, Sale \$55.
Assembly required.

-
-

Milano Collection upholstered chair
\$135, Reg. 169.99

-
-

Content-Specific RSS Feeds on Le Monde



Le Monde.fr : Fils RSS



Fils RSS du Monde.fr

Qu'est-ce qu'un fil RSS ?

Les fils RSS sont des flux de contenus gratuits en provenance de sites Internet. Ils incluent les titres des articles, des résumés et des liens vers les articles intégraux à consulter en ligne. Les dernières informations publiées sur Le Monde.fr peuvent ainsi venir enrichir automatiquement votre site Internet ou compléter vos sources d'informations déjà agrégées via un logiciel de lecture des flux RSS.

Liste des fils RSS du Monde.fr

Pour récupérer facilement les adresses des flux rss, vous pouvez les recopier depuis les boîtes texte ci-dessous.

XML A la Une

<http://www.lemonde.fr/rss/sequence/0,2-3208,1-0,0.xml>

XML International

<http://www.lemonde.fr/rss/sequence/0,2-3210,1-0,0.xml>

XML Europe

<http://www.lemonde.fr/rss/sequence/0,2-3214,1-0,0.xml>

XML France

<http://www.lemonde.fr/rss/sequence/0,2-3224,1-0,0.xml>

XML Société

<http://www.lemonde.fr/rss/sequence/0,2-3226,1-0,0.xml>

Quels sont les outils nécessaires à l'utilisation de fils RSS ?

Pour récupérer automatiquement et en temps réel les derniers flux RSS, vous devez être équipé d'un logiciel de lecture spécifique. Il existe un grand nombre de lecteurs RSS. Nous vous recommandons de télécharger gratuitement **AlertInfo**, développé par le GESTE (Groupement des éditeurs de services en ligne), et regroupant l'ensemble des fils RSS de la presse française.

Téléchargez le lecteur "AlertInfo"

Liste en anglais de lecteurs RSS (Google)

Une fois le logiciel installé, sélectionnez autant de fils RSS que vous le souhaitez.

Quel est l'intérêt des fils RSS ?

Plutôt que de naviguer sur plusieurs sites d'actualité, la technologie RSS vous informe dès qu'un nouveau contenu est publié sur l'un de vos sites préférés.

PUBLICIT



Le Monde.fr
EDITION ABONNES

Comment sélectionner les fils RSS ?

Il vous suffit de cliquer sur le(s) fil(s) de votre choix dans la liste ci-contre, puis de suivre les instructions de votre logiciel de lecture RSS. Vous serez ainsi informé en temps réel lorsque votre sélection sera mise à jour.

Adding a URL for a Feed to Aggregator (Thunderbird)

The screenshot shows the Mozilla Thunderbird Mail interface. The main window title is "Mozilla Thunderbird Mail - News & Blogs". The left sidebar shows a folder tree with "News & Blogs" selected. The main pane displays "RSS News & Blogs" with a globe icon and "Manage subscriptions". Below this is the "RSS Subscriptions" panel, which contains a list of subscriptions and management buttons. A "News Feed Properties" dialog box is open, showing fields for "Feed URL" and "Store Feed Articles in:", and a checkbox for "Show the article summary instead of loading the web page".

RSS News & Blogs

Manage subscriptions

ACCOUNTS

RSS Subscriptions

Manage your RSS Subscriptions.

Name
ALA Press Releases
Library Associates LibBlog - Call for Papers and Proposals
TV5.org info - La Une
OCLC System Alerts
OCLC Cataloging and Metadata news and updates
OCLC News

News Feed Properties

Feed URL:

Store Feed Articles in:

Show the article summary instead of loading the web page

OK Cancel

"New Literature" Feed from TCNJ Library in Thunderbird

TCNJ Library - New Literature Books - Mozilla Thunderbird

File Edit View Go Message Tools Help



View: All

Subject Or Sender

- News & Blogs
- Trash
- ALA Press ...ses (131)
- Library Ass...d Proposals
- Library Li...e Day (67)
- NYT > Circuits (211)
- OCLC Catal...ates (14)
- OCLC News (14)
- OCLC System Alerts
- Target Weekly Ad (3)
- TCNJ Libra...oks (464)
- TV5.org in...ne (1238)

Subject	Sender	Date
Wita Nova /	corrado@tcnj.edu	12/16/2005 9:02 AM
Understanding Thomas Mann /	corrado@tcnj.edu	12/18/2005 8:47 AM
On the great Atlantic railway : selected poems, 1950-1988 /	corrado@tcnj.edu	12/19/2005 9:46 AM
Other lover /	corrado@tcnj.edu	12/19/2005 10:48 AM
Poets teaching poets : self and the world /	corrado@tcnj.edu	12/19/2005 12:50 PM
Poems : new & selected /	corrado@tcnj.edu	12/19/2005 2:42 PM
Dickinson's misery : a theory of lyric reading /	corrado@tcnj.edu	12/22/2005 8:37 AM
Older woman in recent fiction /	corrado@tcnj.edu	12/22/2005 12:07 PM
Old Spain and new Spain : the travel narratives of Camilo Josã...	corrado@tcnj.edu	12/22/2005 1:51 PM
Dialogic imagination : four essays /	corrado@tcnj.edu	12/23/2005 1:40 PM
Politique : languages of statecraft between Chaucer and Shak...	corrado@tcnj.edu	12/23/2005 2:51 PM

Subject: Dialogic imagination : four essays /
From: corrado@tcnj.edu
Date: 12/23/2005 1:40 PM
Website: http://libcat.tcnj.edu/cgi-bin/Pwebrecon.cgi?DB=local&Search_Arg=ISBN+%220292715277%22&SL=None&Search_Code=CMD&CNT=10

TCNJ LIBRARY CATALOG

Start Over

- New Search
- Titles
- Login
- Requests
- History
- Help
- exit

Database Name: The College of New Jersey Library

Search Request: Keyword - Boolean = ISBN "0292715277"

Search Results: Displaying 1 through 2 of 2 titles

◀ Back Next ▶

Sort by:

Post Limit

RSS Feeds Integrated into a Webpage

- » [TCNJ STUDENTS](#)
 - » [PROSPECTIVE STUDENTS](#)
 - » [GRADUATE STUDENTS](#)
 - » [ALUMNI](#)
 - » [VISITORS & COMMUNITY](#)
 - » [PARENTS](#)
 - » [TCNJ FACULTY & STAFF](#)
 - » [ABOUT TCNJ](#)
 - » [ACADEMICS](#)
 - » [ADMINISTRATION & SERVICES](#)
 - » [ADMISSIONS](#)
 - » [ATHLETICS](#)
 - » [GIVING TO TCNJ](#)
 - » [LIBRARY](#)
 - » [WORKING AT TCNJ](#)
- Popular Links



TCNJ News & Announcements



Knowledge is Power

The College of New Jersey has developed an Energy Conservation Awareness Initiative to help mitigate the unprecedented escalation in energy prices that has occurred globally in recent months.

- [TCNJ is Nation's Top Division III Athletic Program for Fall Semester](#)
- [Sesquicentennial Events and Designs Garner Top Spots from CASE](#)
- [Federal Grant to Support TCNJ Community Service Initiatives](#)

[MORE NEWS >>](#)

TCNJ Events

College Offices Closed for the Holidays, Reopening January 3
December 23, 2005 - January 2, 2006

Saving Energy is Up to You
Every Single Day, 24/7

[CALENDARS](#) | [MAP & DIRECTIONS](#)

Library RSS Uses: "News"

news

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[press releases](#)

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News

[RSS News Feed](#) **RSS**

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■ New interactive science feature goes live

For the first time on the National Library of Scotland's website, we're offering the general public the chance to determine what will go into a forthcoming online feature.

The *Scottish Science Hall of Fame* will highlight 10 scientists from the past whose achievements have shaped our lives today – and we want users of this website to decide who the 10 will be.

Anyone can vote, and to get the ball rolling we've selected 24 scientists or engineers we think merit consideration. Voters are free also to nominate any scientist who's not on the list – but not one who's still living. Among those on our list you'll find:

- John Logie Baird



John Logie Baird
by Frank Boyle



RSS Feeds of New Library Holdings

- RSS feed is made available in Course Management Software
 - TCNJ's SOCS (Simple Online Courseware System)
- Feed displays prominently within CMS
- Lists relevant recent monographic acquisitions

RSS feed in SOCS

- Provides seamless, automatic syndication
- Is tailored to specific course
- Anticipates user need

Educational Benefits

- Spotlights new titles in a way that's convenient for primary users (students/faculty)
- Generates student interest in the general subject matter
- Provides instant overview of newest research trends in the field
- Gives instant hyperlinked access to bibliographic record in OPAC

Public Service Benefits

- Publicizes new library holdings
- Gets students using the OPAC
- Shows library's commitment to supporting online education initiatives
- Shows continued relevancy of brick-and-mortar library within CMS environment
- In a general way, draws attention to library services, facilities, holdings, etc.
- Functions as temporary "New Book" area of TCNJ library

Getting Started/Feasibility

- Will it be used?
 - “New Books List” has proven to be popular
 - Informal discussions with key stakeholders
 - Librarians
 - Classroom faculty
 - IT (SOCS designer, web master)
- Has another Voyager library done this (or similar)?
- Do we have the in-house expertise to do this?
- Effort vs. reward (just because you can, does it mean that you should?)

Design Decisions

- Which version of RSS to use? 2.0
- How to determine subjects for feeds
 - LoC call number vs. LoC Subject Heading vs. ???
- What fields should be retrieved and displayed?
 - Acquisition Date, ISBN, Title (245a), Title Statement (245), Location(s), LoC call number
- Example

Feed Title:

Web mining : applications and techniques /

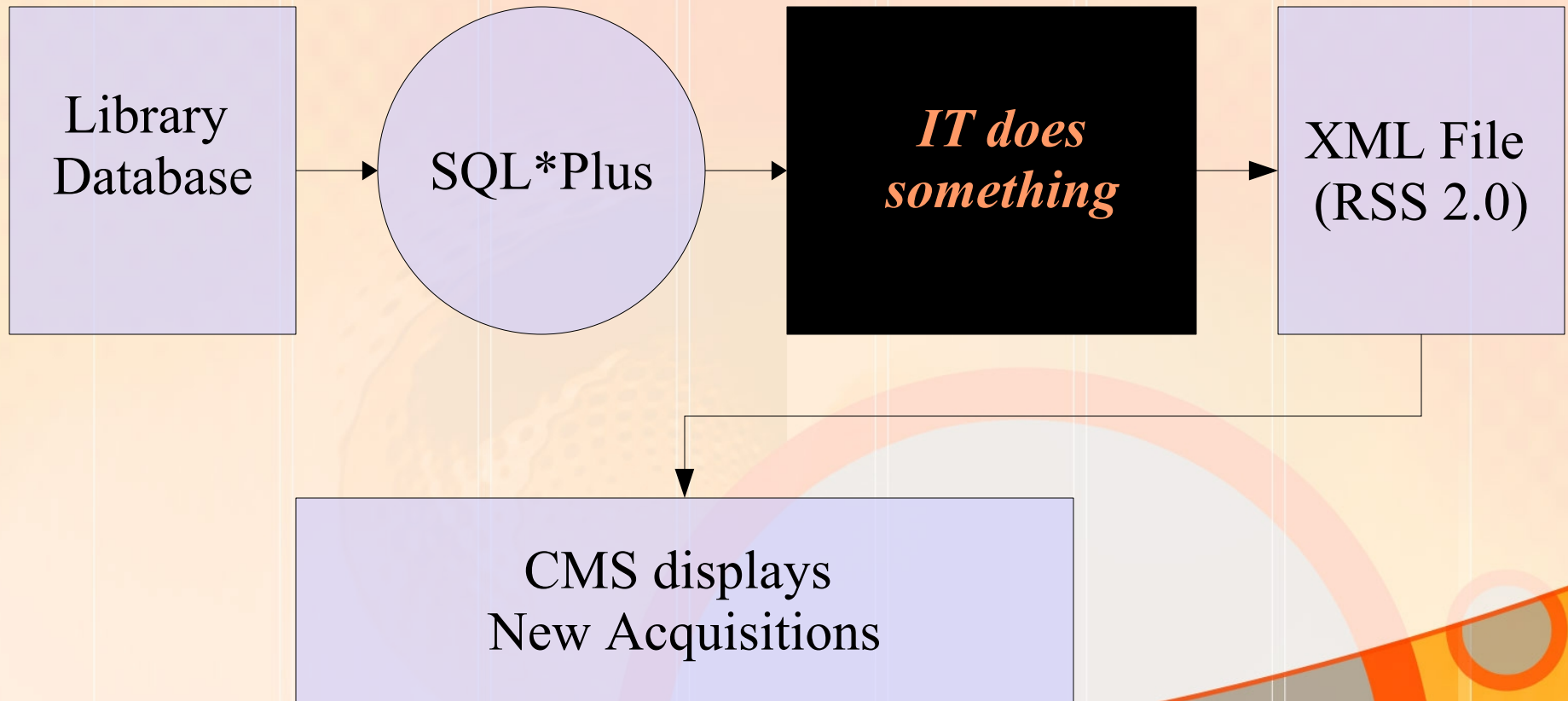
Feed Description:

Web mining : applications and techniques / Anthony Scime, editor.

Location: General Collection. Call Number: QA76.76.E95 W43 2005

Technical Aspects

Consider the following flow chart outlining the implementation



SQL*Plus

Pseudo Code

```
select distinct  
    item_create_date ||'|'||  
    isbn||'|'||  
    brief_title||'|'||  
    ...  
from  
    bib_record,  
    location,  
    ...  
where  
    suppress_in_opac not in ('Y') and  
    call_number between 'QA' and 'QB' and  
    call_number not between 'QA 71' and 'QA 91' and  
    ...  
order by  
    location,  
    ...
```



DADT at The College of New Jersey

Departmental Application Development Team

- Perl
- Oracle
- Markup Languages (XML, HTML)

Main Goals

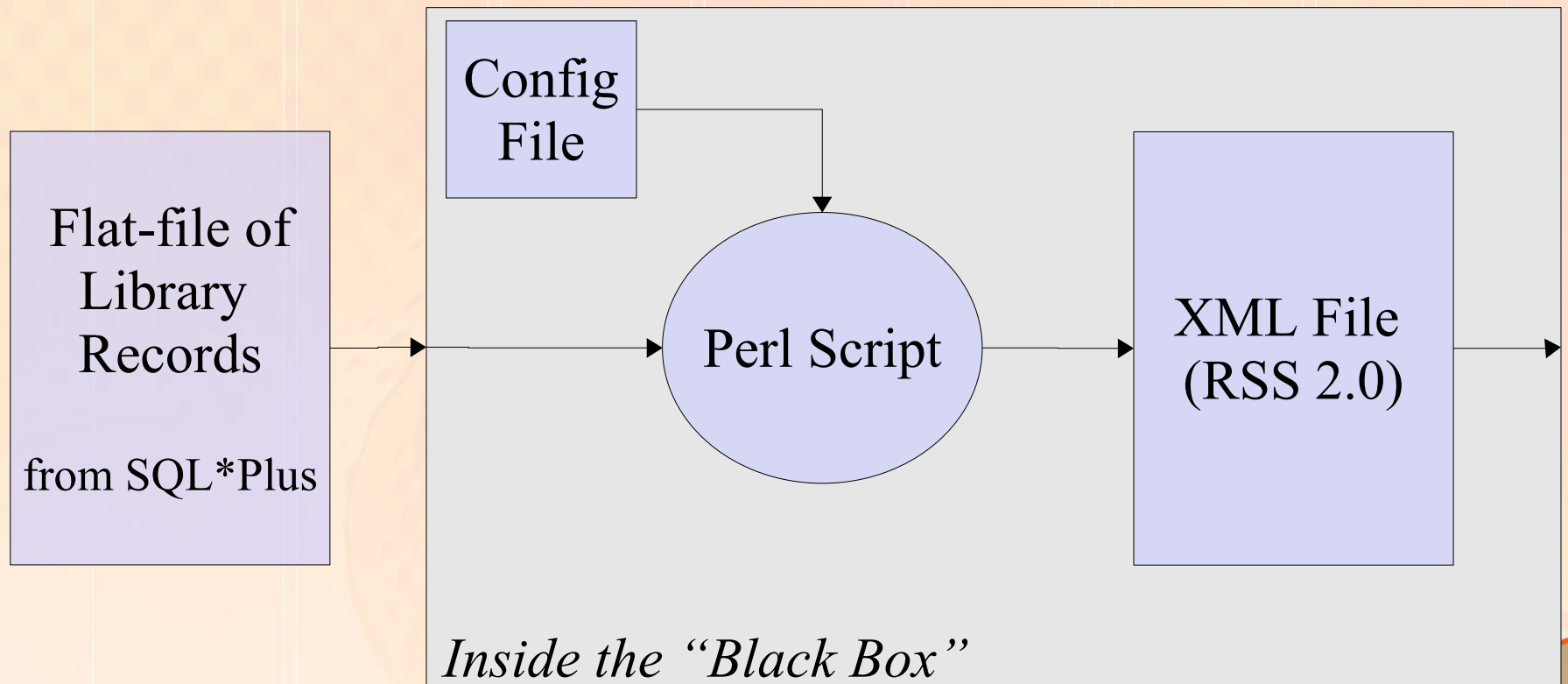
- Work with faculty and staff
- Design & implement web-based applications
- Maintain & enhance current projects

Problem

- Web-based techniques for content delivery
- Dynamically generate RSS 2.0 files
- Provide current information of new library acquisitions

Basic Approach

Consider the following flow chart outlining the implementation



Details of the Implementation

Why Perl?

- Rich text-processing features
- Powerful pattern matching engine
- Familiarity with the language
- “Makes the easy jobs easy and the hard jobs possible” (*Programming Perl*. Wall, Christiansen, Orwant)

Details of the Implementation

Snippet of “1st” flat file

SAT, 13 AUG 2005 13:57:37 EDT|1580257259 |...
FRI, 12 AUG 2005 14:13:37 EDT|0873534980 (pbk.) |...
THU, 28 JUL 2005 16:24:55 EDT|0766832279 (pbk.) |...
THU, 28 JUL 2005 14:34:05 EDT|0325005060 (pbk.) |...



Details of the Implementation

Configuration File

```
channel-title="New Mathematics Books"  
channel-description="Mathematics"  
channel-itemfile="math.lst"
```

```
channel-title="New Test Books"  
channel-description="Test"  
channel-itemfile="test.lst"
```

Details of the Implementation

Pseudo Code

Read config file for channel meta-data

For each channel

Parse associated flat file

Split by the pipe delimiter

Create internal data structure

Format each category accordingly

Create RSS channel

For each element of internal structure

Insert element into RSS channel

End For

End For

Write RSS file to disk

Results

RSS 2.0 File

```
<?xml version="1.0" encoding="US-ASCII"?>
<rss version="2.0">
<channel>
<title>New Mathematics Books</title>
...
<item>
<title>SAS System for regression</title>
<link>http://...</link>
<description>
  SAS System for regression /
  Rudolf J. Freund, Ramon C. Littell.
  Location: General Collection.
  Call Number: QA276.4 .F74 2000
</description>
<author>...</author>
<pubDate>SAT, 13 AUG 2005 13:57:37 EDT</pubDate>
</item>
...
</channel>
</rss>
```

Code Module Credits

- CPAN, repository for free public Perl code
- XML::RSS module authored by
 - Original code: Jonathan Eisenzopf
<eisen@pobox.com>
 - Further changes: Rael Dornfest
<rael@oreilly.com>

Discussions

- Collaboration for fun and profit
- Still a work in progress
- Other uses of the “New Library Acquisitions” RSS feeds
 - In aggregators, such as Thunderbird
 - In Subject & Class guides
 - In the Library website
 - In other TCNJ websites

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1010010101001111010000100101111010010110101010111010000410001010010100
004100001010010100100101000010101001010140000111101001010100111101000010010111010010
110101010101110100004100001010010100101000010110100101014000011110100101