ShelfLister
Real-time Voyager Shelf Lists via Wireless PDA

Michael Doran, Systems Librarian

Where do we get Voyager data?

Voyager data sits on the server, but to get at it we need a Voyager client...

- Acquisitions
- Cataloging
- Circulation
- WebVoyage
- reports.mdb
- etc.
Where do we go to get Voyager data?

To a computer...

...on a desk

... (generally) in an office.

Working in the trenches stacks
You could carry your PC with you

But wouldn’t it be nice...

If we could access Voyager data with a wireless-enabled hand-held device?

Palm Pocket PC

That was the thinking behind ShelfLister...
ShelfLister, a mobile Voyager client

Beta version
Proof-of-concept mobile client

• Server-based web application:
  ✓ no specialized client software
  ✓ any operating system

• Only requirements:
  ✓ browser
  ✓ internet connection

• Optimized for use by hand-held devices:
  ✓ Palm
  ✓ Pocket PC

ShelfLister...

Generates a shelf list

shelf list - a file of bibliographic records arranged in the same order as the corresponding materials on the shelves

Additionally, includes any or all of...

✓ Item status
✓ Historical charges
✓ Historical browses
✓ Enhanced call number information

... And allows user to “mark” items
Start barcode

End barcode

Info on
- Books that *are* there
- Books that *aren't* there
- Shelf list in call number order
- Charge statistics
- Item status (code)

Please select from the options:
- charge stats
- browse stats
- item status
Gap on the shelf
“Marking” items

Categories are configurable
Flat file of “marked” records

2004-11-02 10:41:32|947548|1013054|1089337|31334020551782|Send to Annex|QA76.73.P22 H84 2001
2005-2-27 16:26:04|821422|882518|959880|31334019701693|Send to Annex|QA 76.73 .P22 S655 1997
2005-2-27 16:34:04|1033626|1106688|1156207|31334021279738|Cat Review|QA76.73.P22 D99 2003
2005-2-27 16:34:30|932722|997326|1076386|31334020278046|Send to Annex|QA76.73.P22 G48 2000
2005-2-27 16:34:46|994203|1060518|1134441|31334019919311|Send to Annex|QA76.73.P22 P57 1998
2005-3-10 08:35:18|1086561|1224369|191567|31334020311552|Cat Review|QA76.73.P22 R67 2003
2005-3-10 09:54:58|947548|1013054|1089337|31334020531782|Circ Review|QA76.73.P22 H84 2001
2005-4-02 17:48:26|947035|1012585|1086217|31334020525677|Lost|QA76.73.P22 S39 2001

File resides on Voyager database server
✓ Download flat file to PC
✓ Import into MS Access
Import flat file into MS Access

Run a “Make Table” query
Export results to a text file

Use as input file for “Pick and Scan”

For more information, see the online tutorial, Importing "Marked Items" file into MS Access
The one-book shelf list
Periodicals

[Image of a person reaching for a book on a shelf]

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Known Issues

- HTML forms and back button quirkiness
  - In some browsers, on some platforms, when you use the navigation 'back' button, form data and/or 'checked' place holder the form boxes may be blank
- MFHDs with **multiple** pieces, some without an item record
  - If a holdings record has multiple physical pieces associated with it, any pieces without an item record will not appear on the shelf list
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Additional Information

http://rocky.uta.edu/doran/
Take it for a test drive

ShelfLister

Demo

Introduction | Demo | Download | Equipment | License

Launch the ShelfLister application and then use the data below to:

- Launch ShelfLister
- Enter sample input data for barcode entry form

Sample input data for barcode entry form:

<table>
<thead>
<tr>
<th>Start barcode</th>
<th>End barcode</th>
<th>Stacks Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>31334020541989</td>
<td>31334010529218</td>
<td>Science &amp; Engineering Library Books</td>
</tr>
<tr>
<td>31334065907461</td>
<td>313340414456</td>
<td>Central Library Books</td>
</tr>
<tr>
<td>3133400339351</td>
<td>31334000059023</td>
<td>Central Library Books</td>
</tr>
<tr>
<td>3133402561021</td>
<td>3133402561021</td>
<td>Central Library Periodicals</td>
</tr>
</tbody>
</table>

Download, install, and configure
Requirements

On Voyager database server
  ShelfLister.cgi
  Perl
  Perl DBI / DBD::Oracle modules

In Library
  Wireless infrastructure

Clients (Handheld/Tablet/Laptop)
  Browser
  Wireless enabled
  Barcode scanner-enabled (optional)

Q & A

BUT--BUT I'VE TOLD YOU EVERYTHING!