Mobilizing the library's web presence & services

A student-library collaboration to create the library's mobile site and iphone application
Library Outside the Library

**Mission:** To find, configure, distribute and assess electronic tools and services that take the library to its users, wherever they may be

The LOL model is perfect as a lightweight innovation model for tough economic times
http://labs.library.cornell.edu
Passkey Bookmarklet \textit{BETA}

A key to getting quick, off-campus access to electronic resources

- Connect to databases and journals without going through the library web site
- Find a link to a licensed article or database, click on the passkey and connect to licensed resources

More info | Passkey Help | Tell us what you think | Demo | Demo with audio

Contact Programmer/Analyst: Rick Sittera

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Research made easy with LibX \textit{BETA}

A toolbar for Library catalog searches, whenever or wherever you need them

- Off-campus access to electronic resources
- Full text access to articles
- Quick links in Google, Amazon, & elsewhere to Cornell resources

More info | LibX Help | Tell us what you think | LibX in the news

Contact Programmer/Analyst: Rick Sittera
Presenters

• Ken Bongort (Student of Computer Science at Cornell University)
• Matt Connolly (Programmer/Analyst, Cornell University Library)
• Anthony Cosgrave (Mobile Library Project Lead)
• Baseema Banoo Krkoska (Chair, Library outside the Library Team)
• Rick Silterra (Programmer/Analyst, Cornell University Library)
Poll: Tell us about your mobile initiatives

1. Actively planning for mobile initiative
2. Have a Mobile Library site
3. Have a Mobile Library app
4. Have both a Mobile Library website AND a library app
5. Interested but no plans yet
Why we mobilized?

- LOL continuously looking for ways to bring library to our users.

- Saw students actively using their handheld devices in the library.

- Talked with student representatives on the Student Library Advisory Board.

- Many library staff members had handheld devices.
CUL’s three prong strategy

• Implemented Text a Librarian in 2009

• Iphone App

• Mobile Website called CULite
how do i get an item reserved for my class

Auto-responder text: We received your question and will respond Mon-Fri 9am-5pm. After hours, try calling 607-255-4141 or chat online at http://ask.library.cornell.edu.

patron6525 (1 Q)
Wed Jan 27, 2010 5:14pm

Hi! Here is the link for creating reserves:
http://www.library.cornell.edu/serviceres Note Contact link at the bottom for more questions.

ns3 (0 Q / 16 A)
Wed Jan 27, 2010 5:19pm

Microboard Administration

Board Reporting Summary

Questions: Today: 0
Avg Answer Time: 0.00 Minutes
• Iphone app development – student project
  – Library Catalog
  – Library Hours
  – Contact Info
  – Map
  – Ask a Librarian
• Mobile website - lite version
  • Library was interested in a device independent solution
  • Student Library Advisory Council recommended a device neutral approach
  • Library Web Development Team member joins LOL

• Low Hanging Fruit
CUL Mobile – Home page

- Customized home page
- Other site content translated on-the-fly
- Powered by Siruna: open-source, Java-based mobile translator
- www.library.cornell.edu/m
Siruna Open Source

• Why Siruna?
  – Didn’t want to maintain two sets of the same content
  – Didn’t want to have to rewrite Drupal themes to accommodate new content
  – Siruna lets us quickly add new filters and rules to shape content and appearance of certain pages
  – A “default” filter defines catchall rules for other pages
Siruna - example
Links

• CUL Mobile:
  http://www.library.cornell.edu/m

• Siruna:
  http://open.siruna.org
iPhone Application

• Create an application for the iPhone and iPod touch to make Cornell’s libraries more accessible to students

• Provide easy and convenient access to library information, services, and resources
Home Screen
Catalog Search

**Search**

- **Hitchhiker's guide to the galaxy**
  Book – Charged
  Uris Library – PR6051.D162 H6 1985

- **So long, and thanks for all the fish**
  Book – Available
  Uris Library – PR6051.D162 S6 1984

- **Mostly harmless**
  Book
  Multiple locations, see record for details.

- **Index of nomograms.**

**Brief Information**

- **Title** The hitchhiker's guide to the galaxy /
- **Author** Adams, Douglas,
- **Published** Pocket Books, [1985?]

**Uris Library**

- **Call Number** PR6051.D162 H6 1985
- **Status** Charged

**Recall this book**
My Account

11 Charged Items

**Software engineering**
By Sommerville, Ian.
Due February 27 2010 at 6:00 PM

**Data structures and problem solving...**
By Weiss, Mark Allen.
Due February 28 2010 at 11:59 PM

**Data structures and algorithms with...**
By Preiss, Bruno R.
Due February 28 2010 at 11:59 PM

**Gigabit hybrid integrated fiber wirele...**
By Buys, Floris C.
Due May 21 2010 at 6:00 PM

**Gigabit hybrid integrated fiber wirele...**
By Buys, Floris C.
Ask a Librarian

- Adelson Library
  adelson_lib@cornell.edu
- Africana Library
  afrlib@cornell.edu
- Cathedrwood Library
  llrref@cornell.edu
- Engineering Library
  engrrref@cornell.edu
- Entomology Library
  entomologylib@cornell.edu
- Fine Arts Library
  fineartsref@cornell.edu
- Geneva Library
  lib@nysaes.cornell.edu
- Kroch - Asia Collections
  asiaref@cornell.edu
# Hours & Info

The following are regular semester hours. Please visit [library website](#) for exceptions.

<table>
<thead>
<tr>
<th>Library</th>
<th>Open/Closed</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adelson Library</td>
<td>Open</td>
<td>until 5:00 PM</td>
</tr>
<tr>
<td>Africana Library</td>
<td>Closed</td>
<td>until 9:00 AM</td>
</tr>
<tr>
<td>Catherwood Library</td>
<td>Open</td>
<td>until 11:00 PM</td>
</tr>
<tr>
<td>Engineering Library</td>
<td>Closed</td>
<td>until 9:00 AM</td>
</tr>
<tr>
<td>Entomology Library</td>
<td>Closed</td>
<td>until 9:00 AM</td>
</tr>
<tr>
<td>Fine Arts Library</td>
<td>Open</td>
<td>until 11:00 PM</td>
</tr>
<tr>
<td>Geneva Library</td>
<td>Open</td>
<td></td>
</tr>
</tbody>
</table>

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## Uris Library

<table>
<thead>
<tr>
<th>Day</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sunday</td>
<td>Opens at 10:00 AM</td>
</tr>
<tr>
<td>Monday</td>
<td>Open 24 hours</td>
</tr>
<tr>
<td>Tuesday</td>
<td>Open 24 hours</td>
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<tr>
<td>Wednesday</td>
<td>Open 24 hours</td>
</tr>
<tr>
<td>Thursday</td>
<td>Open 24 hours</td>
</tr>
<tr>
<td>Friday</td>
<td>Closes at 9:00 PM</td>
</tr>
<tr>
<td>Saturday</td>
<td>10:00 AM - 6:00 PM</td>
</tr>
</tbody>
</table>

[Contact Circulation](#)  [Contact Reference](#)
Voyager API

- Voyager APIs introduced in Voyager 7
- XML web services
- Designed to allow creation of alternate OPAC.
- All the services required to:
  - Search, all varieties.
  - Patron interaction
Voyager API

- Documentation available at Ex Libris site
- Gives examples of sample interactions
- Require some familiarity with existing web interface such as:
- Need to understand search types, such as
  - TALL
  - GKEY
  - Keyword searches
Voyager API Services

• Key APIs
  – SearchService
  – AuthenticatePatronService
  – MyAccountService
  – RenewService
  – CancelService
  – PatronRequestService
Distribution & Promotion

CUlibrary

CUlibrary is an application that is packed full of information about Cornell Libraries. Log in to find out what books you have requested and what fines have been assessed on your account. Many things to explore and find out about the library system here at Cornell.

This application was developed by a team of student programmers taking the CS5156 project course.

VITAL INFORMATION

<table>
<thead>
<tr>
<th>PRODUCT VERSION:</th>
<th>Version 1.0</th>
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</thead>
<tbody>
<tr>
<td>AUTHOR:</td>
<td>CS5156 Project</td>
</tr>
<tr>
<td>MANUAL:</td>
<td>Not available</td>
</tr>
<tr>
<td>CHANGES FROM LAST VERSION:</td>
<td>(Initial Version)</td>
</tr>
<tr>
<td>DISTRIBUTION:</td>
<td>CULibraryDistribution.zip</td>
</tr>
</tbody>
</table>
Tony – Future Plans

• Submitted to iTunes Store

• WishList
(Qwidget, LibGuides, Course reserves, events, etc)

• Another student project?

• App independence?
Questions?