Power to the People

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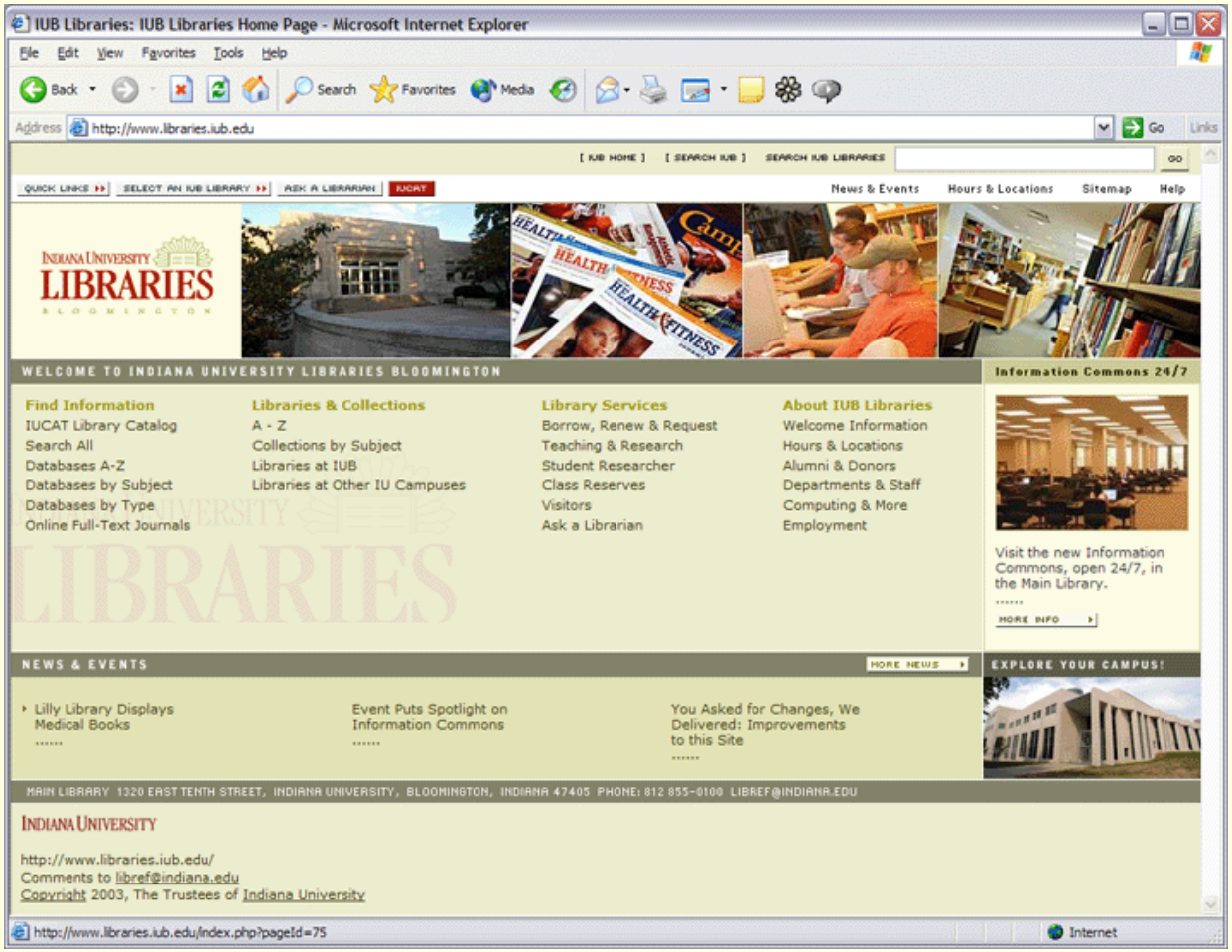
IU Bloomington Libraries' Content Management System

IUB Libraries Web Site



IUB Libraries

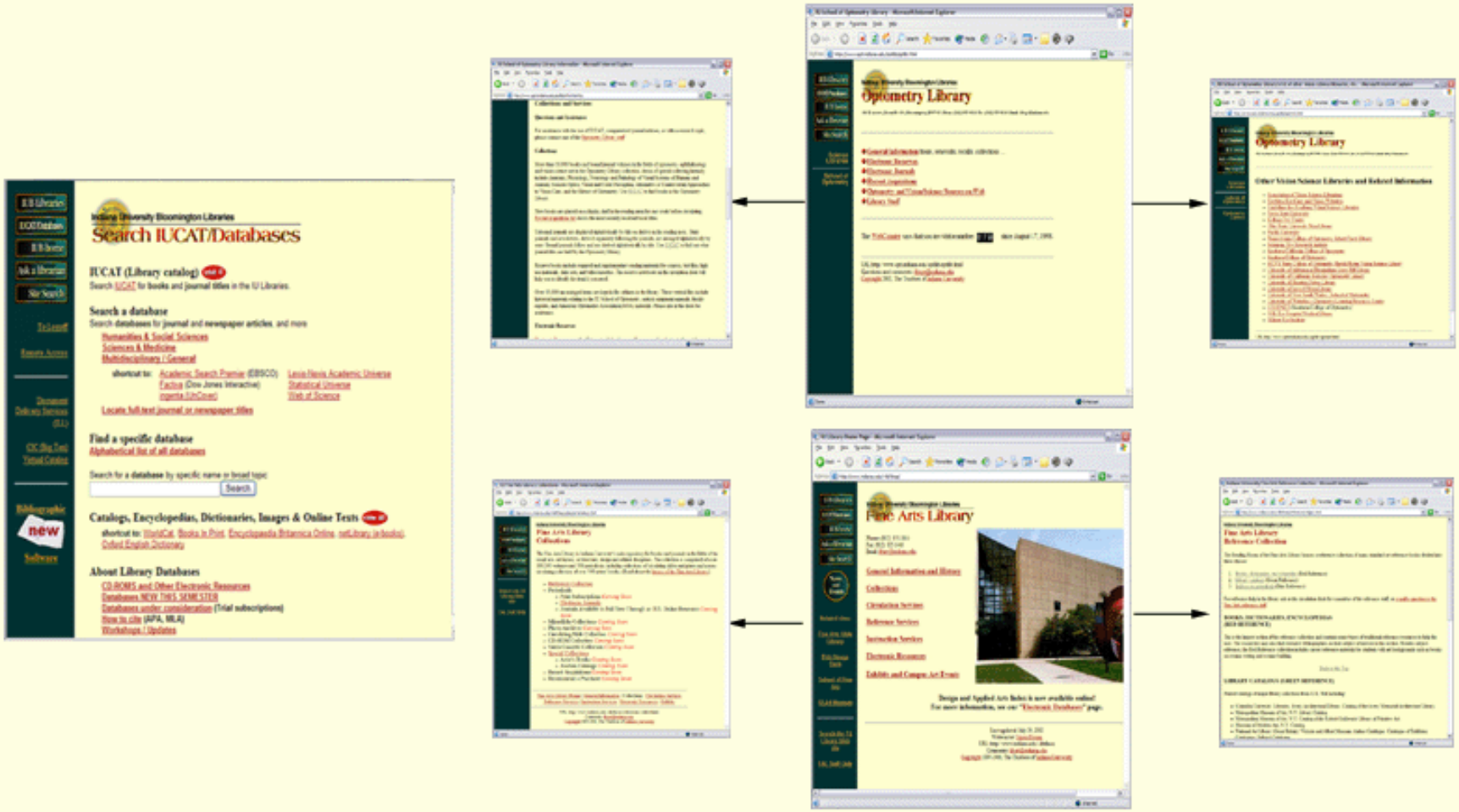
- 16 campus libraries
- IUCAT Library Catalog
- 6.5 million items
- More than 350 subscription databases
- Over 30,000 electronic journals

IUB Libraries Web Site

In 2001…

- Large web site consisting of over 8,000 pages (some internal documents)
- Decentralized management system
- Hundreds of separate university server accounts
- Hundreds of web developers (constantly changing)
- HTML templates

IUB Libraries Web System Previous Structure



Needs for Content Management System

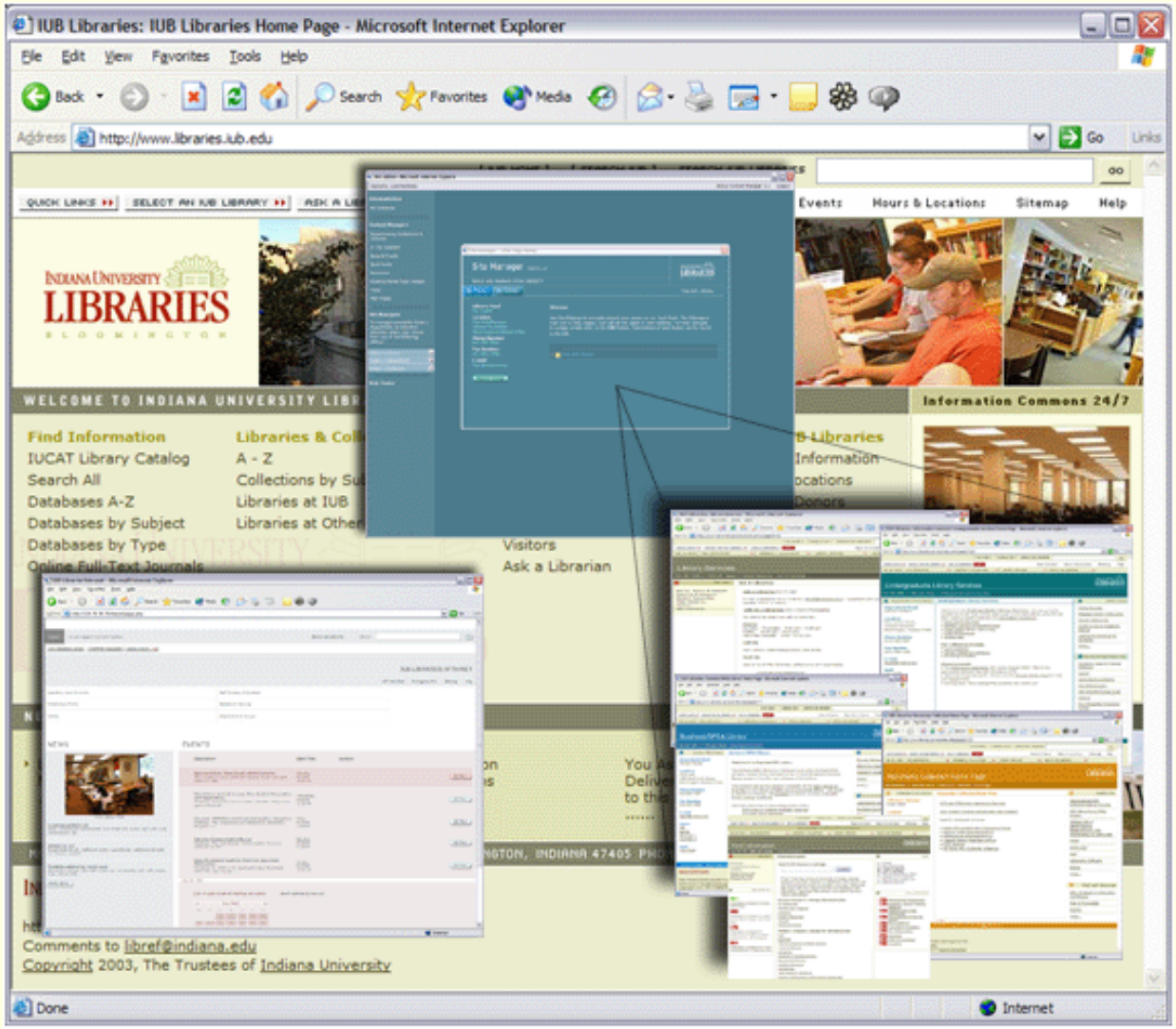
- Flexibility
- Work with many sources of data
- Unique workflow
- Collaborative – distributed management
- Secure
- More powerful searching/browsing
- Usable

Needs could not be met by purchased or Third-party solution.

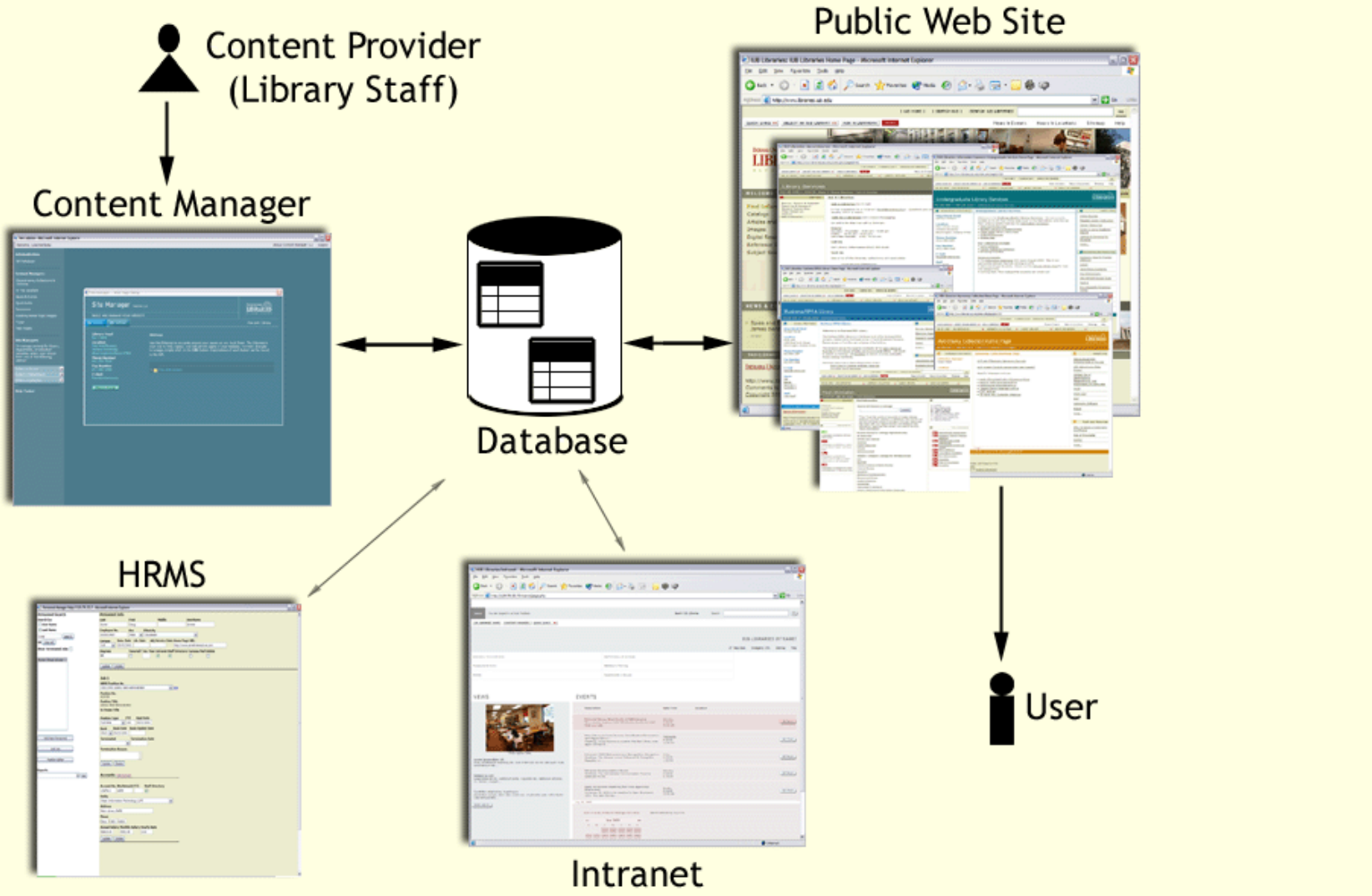
Development Timeline

- Began programming in Summer 2002
- Fall 2002 – Launched public site
- Brought in 2 additional programmers in November 2002
- Launched Content Manager in February 2003

IUB Libraries Web System Current Structure



IUB Libraries Web System Workflow Structure



User Interface

- PHP, html / JavaScript
- User informed
- Find information:
  - Custom Search Engine
  - Databases A-Z
  - Databases by Subject
  - Databases by Type
  - Online Full-Text Journals
- Library, collection and department websites
- *“Google”* search appliance

Delivering the Content

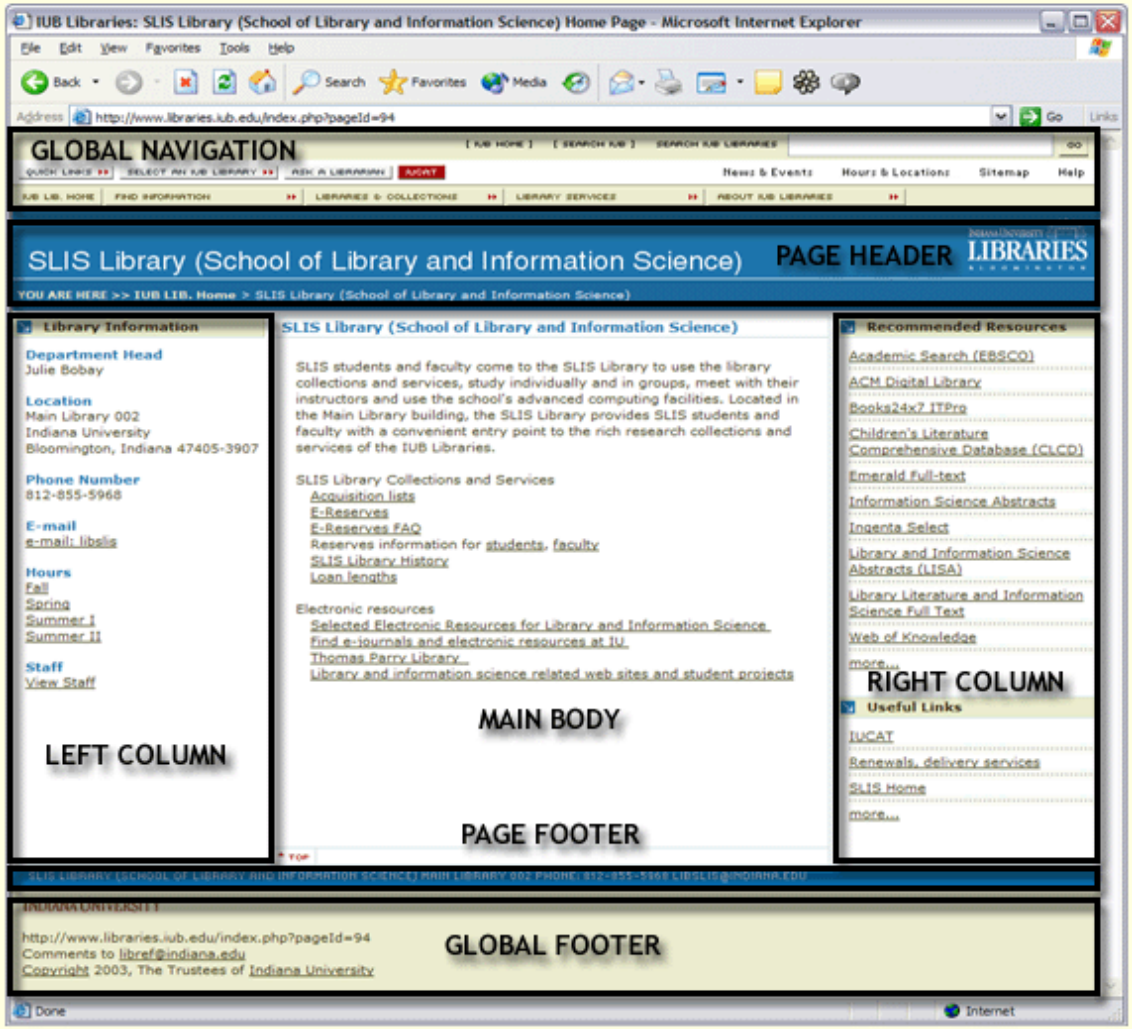
- Design with "Professional Quality"
- Multiple paths to the same information
- Consistent navigation and appearance
- User driven content management system
- Flexible interface
- Predictable hierarchy of pages within the site
- Adaptability to changing vendor standards
- Immediate reflection of updates
- Ability to revise the presentation of the content without changing the content

Anatomy of a Page

Template for page 94

- Insert global nav
- Insert page header for page 94 (images)
- Insert left column for page 94 (db content)
- Insert main body for page 94 (db content)
- Insert right column for page 94 (db content)
- Insert page footer for page 94 (images)
- Insert global footer

index.php?pageId=94



Database

- MySQL 4.0
- Relational database
  - Can query multiple tables at once using common data
  - Work with query results in table-formatted data sets
- Began on mysql.iu.edu through UITS
- Moved to dedicated server environment
- Full-text index
- Open source (i.e. free, cutting edge, way cool)

Administrative Interface

- IUB Libraries Content Manager (CM)
- Permissions schema
- Content Managers handle global info
  - News, resource list, ticker, etc.
  - Few CM users assigned
- Site Managers handle local info
  - Library, collection & department “mini-sites”
  - Most CM users assigned
- Reporting (resource count, resource search report, log activity)
- Changes are real-time

Administration

HR Database

Permissions

Change CMAdminId

Content Managers

Class Pages

Libraries, Departments, Collections, & Groups

IC Resources

In The Spotlight

News & Events

Quick Links

Resources

Rotating Home Page Images

Ticker

Web Pages

Site Managers

To manage content for library, department, or collection websites, select your choice from one of the following menus:

Select a Library

Select a Department

Select a Collection

The Web Team encourages you to join the new discussion list that they have created to facilitate communication among CM users. Post questions and get important information about updates and features of the CM.

To subscribe to comments_cmuser:

1. Compose an e-mail message to majordomo@indiana.edu
2. Leave the subject line blank
3. In the body of the message type:

   subscribe comments_cmuser [your e-mail address]@indiana.edu

Note:

-do not include the brackets
-do not include signature files in the body

Send the message!

The following is a list of pages for which you are the owner and have responsibility to maintain.

--quickPic pageId--

--quickPic pageId--
Black Film Center/Archive Collection Home Page
Law Collection Home Page

Content Manager Version 1.2

BUILD AND MANAGE THE LIBRARIES WEBPAGES

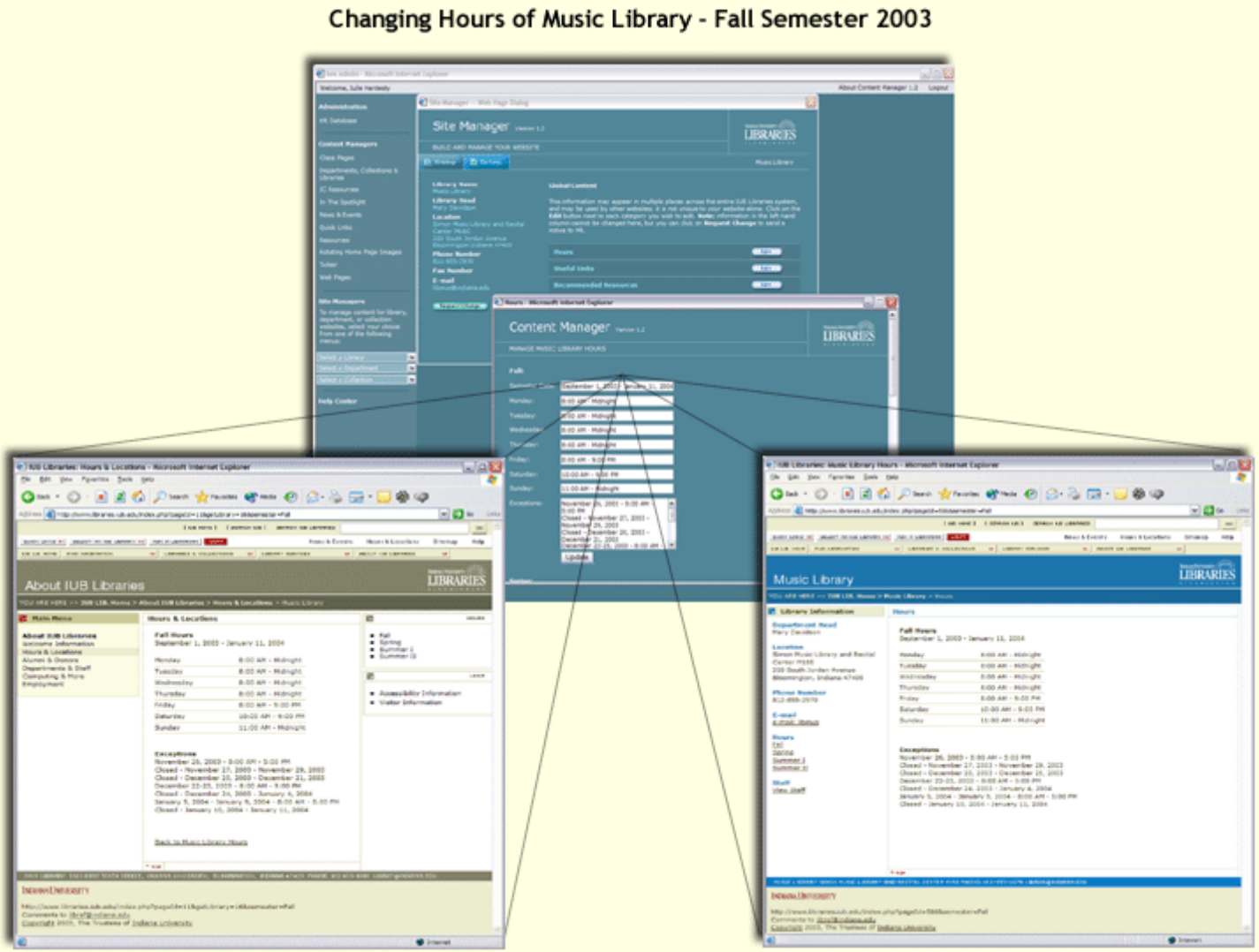
INDIANA UNIVERSITY LIBRARIES BLOOMINGTON

View | Edit | Properties | Permissions | Webpage Manager Reports | About Webpage Manager

Size | Format | Style

Edit | Source | Zoom

How Content Changes Happen – (Demo)



Adding Pages (Demo)

- New feature
- For library, department, and collection mini-sites
- Gives mini-sites unlimited page construction

Advantages

- Organization
- Simplicity
- Consistency
- Quality control
- Flexibility
- Responsiveness
- Separate content from presentation

Disadvantages

- Perceived loss of creativity and control
- Development time, effort and expertise
- Not all accommodated

Major Obstacles

- Expertise and resources
- Communication and education
- Transition from old to new – staff and end users
- Training
- Responding to user feedback while continuing to develop and implement…

What is next?

- Linking
- Federated searching
- Course Management
- Portal
- IUB Libraries IE toolbar

Questions, Comments?

comments@indiana.edu