Developing a Student-Friendly Repository for Teaching Principles of Repository Management

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Agenda

Motivation  Student-Friendly Repository  Repository Services
Motivation → Student-Friendly Repository → Repository Services
Existing tools

Digital Library

greenstone digital library software

CMS

General purpose.
Too bloated with features.
Too hard for LIS students to use.
Our Requirements

Designed for teaching.
Simple features.
Easy for LIS students to use.
Framework

Collections
Digital object creation, storage, and preservation

Metadata
Metadata schemes, interoperability, metadata registry, controlled vocabularies

Services
Service framework, interoperability, service registry
The Prototype

- Administration
  - Content
  - User
  - Metadata
- Collection
- Repository
  - Collection Access
  - Metadata Generation
- User
The Administrative Interface
The Administrative Interface
The Image Repository
Definitions of Services

- Repository Application
- User
- Internal services: "user interface"
- External services: "web services"

Diagram shows the relationships between repository application, user, internal services, and external services.
Core Services?

Fedora
- Open URL Access Point
- Preservation
- OAI Provider
- Event Notification

JISC
- Authentication
- Service Registries
- Metadata Registries
- Identifier
- Institutional Profiling
- Terminology
- DRM
- Workflow
- Harvesting
- Archiving
Teaching Scenario
Thank you
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