Developing a Common Submission System for ETDs

A Report from the Texas Digital Library

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Overview

1. Background
2. Policy & Workflow
3. Requirements Analysis
4. System Implementation
5. Conclusion
Background
Texas Digital Library

- 40 campuses
- 375,000 students
- 30,000 faculty
- 100,000 staff

.... Big!
ETDs

- Important focus
- Federated collection
  - Texas A&M
  - University of Texas
  - Texas Tech
  - UT-Arlington
  - And growing…
MODS Schema

- Metadata Working Group
- MODS XML schema
- Defines new fields
Problems

- No controlled vocabulary
- Format consistency
- Value ambiguity
Solution

- Single ingestion point
- Full control over metadata collected
- Consistent, authoritative formats
Policy & Workflow
ETD Working Group

- Formed in 2006
- Workflow surveys
- Policy questionnaires
Baseline Workflow

- Ingest
- Verification
- Publication
Requirements Analysis
Requirements

- Scope analysis
- Author’s rights
- Access control
- Deployment schedule
Scope Analysis

- Engagement with stages of baseline workflow
- Monolithic system selected
- Model similar to existing systems
Author’s Rights

- Type of license
- Required for submission
- Publication holds
Access Control

- TDL committed to open access
- No restricted (campus-only) option
- Already successfully implemented at UT
Deployment

- Practical scheduling limitations
- TAMU and UT already have existing systems
- Large student population provides good testbed
Implementation

- User interface
- Identity management
- Turnkey solution
User Interface

- Highly intuitive
  - Staff users: expert
  - Students: one-time
- Replacing existing systems
- Integrated help and documentation
Document information


**Document info**

- **Title**: My Very Special Thesis
- **Language**: English
- **Degree Year**: 2007
- **Abstract**: Lorem ipsum sit dolor amet,

**Keywords**:

- For the degree date, enter the year in which your degree will be conferred. This date will be verified by your institution.
- Enter up to six (6) keyword phrases, delimited by semicolons (";").
- Enter the names of each individual on your committee, and use the checkbox to indicate which one is your committee chair (or two, if you have co-chairs).

**Your committee**

<table>
<thead>
<tr>
<th>First Name</th>
<th>MI</th>
<th>Last Name</th>
<th>Chair</th>
</tr>
</thead>
</table>

If you don't know if you...
Distributed Authentication

- Federated identity management
- Secure metadata
- Flexibility
Shibboleth decisions

- Federation membership
- General-access identities
- User metadata additions
Turnkey Application

- Self-contained extension (Aspect)
- Give back to the community
- All source code, documentation, and training materials
Conclusion
More information

Questions