

ETD-db: Today, Tomorrow, and the Future CaR



Edward A. Fox (fox@vt.edu) and Gail McMillan (gailmac@vt.edu)
Virginia Tech, Blacksburg, VA 24061 USA

ETDs for Rookies Workshop @ ETD 2010
University of Texas at Austin, June 16, 2010

Acknowledgments: Sung Hee Park, Paul Mather



About ETD-db from VT/NDTLD

- Today

- HTML pages, Perl scripts interact with MySQL database

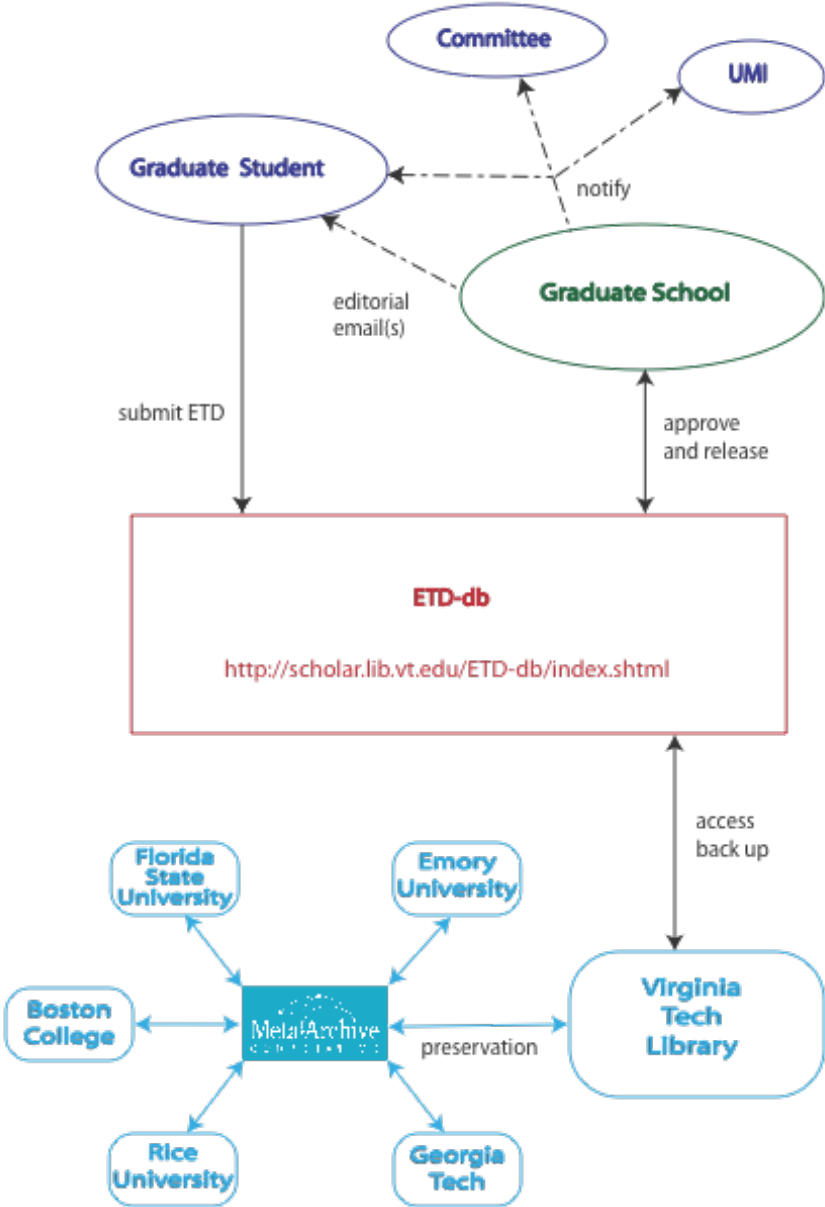
- Tomorrow

- Ruby on Rails open source Web applications

- Future option

- VT IT CaR (Collaboratory and Repository)

ETD-db Flow Diagram





ETD-db: Student Authors

- Login with university PID, password
- Metadata
 - Derived from university records (e.g., Banner and Plan of Study) (new)
 - Entered by authors (e.g., copyright, keywords)
- Set access level for the ETD
 - Worldwide (open) access (all eventually)
 - Restricted access (host university community-only temporarily)
 - Embargoed access (inaccessible to everybody temporarily)
- Faculty: online approval (new)



ETD-db: Graduate School

- Processes submitted ETDs
 - stored on ETD-db server
- Graduate School personnel login
 - Access list of submitted ETDs
 - Email with authors as needed (tracked)
 - Approve ETDs



ETD-db: Graduate School

- Approving an ETD automatically generates
 - Emails
 - Notifications to author and committee w/URL
 - Notification to UMI/ProQuest, includes author, title, institution, URL
 - List of ETDs for Library Cataloging
 - Access
 - Author selected 1 of 3 levels: public, university-only, no one
 - Automatically available to the public after temporary period of restricted access expires (new)

Title page for ETD etd-12292005-222243

Type of Document	Master's Thesis																																						
Author	Santos, Sharon Marie																																						
Author's Email Address	sharonsantos@gmail.com, ssantos@vt.edu																																						
URN	etd-12292005-222243																																						
Title	Tactile and Visual Sound: A Music Cooperative for the Adams Morgan Community																																						
Degree	Master of Architecture																																						
Department	Architecture																																						
Advisory Committee	Advisor Name	Title																																					
	Susan Piedmont-Palladino	Committee Chair																																					
	Caren Yglesias	Committee Member																																					
	Paul Emmons	Committee Member																																					
Keywords	<ul style="list-style-type: none"> • sound • acoustic properties • cooperative • music 																																						
Date of Defense	2005-02-14																																						
Availability	unrestricted																																						
Abstract	Tactile and visual sound:Experiencing the aural through the use of material and form to direct, create and control sound.																																						
Files	<table border="1"> <thead> <tr> <th rowspan="2">Filename</th> <th rowspan="2">Size</th> <th colspan="5">Approximate Download Time (Hours:Minutes:Seconds)</th> </tr> <tr> <th>28.8 Modem</th> <th>56K Modem</th> <th>ISDN (64 Kb)</th> <th>ISDN (128 Kb)</th> <th>Higher-speed Access</th> </tr> </thead> <tbody> <tr> <td>AMExistingStructure.mpg</td> <td>13.48 Mb</td> <td>01:02:24</td> <td>00:32:05</td> <td>00:28:05</td> <td>00:14:02</td> <td>00:01:11</td> </tr> <tr> <td>AMSiteSounds.mp3</td> <td>3.05 Mb</td> <td>00:14:06</td> <td>00:07:15</td> <td>00:06:21</td> <td>00:03:10</td> <td>00:00:16</td> </tr> <tr> <td>santosbook.pdf</td> <td>6.09 Mb</td> <td>00:28:12</td> <td>00:14:30</td> <td>00:12:41</td> <td>00:06:20</td> <td>00:00:32</td> </tr> </tbody> </table>						Filename	Size	Approximate Download Time (Hours:Minutes:Seconds)					28.8 Modem	56K Modem	ISDN (64 Kb)	ISDN (128 Kb)	Higher-speed Access	AMExistingStructure.mpg	13.48 Mb	01:02:24	00:32:05	00:28:05	00:14:02	00:01:11	AMSiteSounds.mp3	3.05 Mb	00:14:06	00:07:15	00:06:21	00:03:10	00:00:16	santosbook.pdf	6.09 Mb	00:28:12	00:14:30	00:12:41	00:06:20	00:00:32
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ETD-db software is free to NDLTD

<http://scholar.lib.vt.edu/ETD-db>

■ Today

- ETD database: workflow, processing
- ETD server: provides access
 - Cataloging
 - Backups
 - Preservation

■ Tomorrow: New and improved ETD-db



Current Efforts for ETD-db Redesign

- Collect requirements
 - Reviewing current ETD workflows
 - Interviewing Users (e.g., reviewers, administrators)
- Investigating candidates
 - Rewriting a pilot system in Ruby on Rails
 - Using Agile Web Development Technology
 - DSpace
 - Commonly used institutional repository
 - CONTENTdm
 - Supported by OCLC (Online Computer Library Center)
 - D-Net
 - Important outcome from the DRIVER (Digital Repository Infrastructure Vision for European Research) project



Future CaR: Collaboratory & Repository

- Develop an ETD within this system
 - Author controls access
 - Standards are more easily enforced
 - Processing functions continue
 - More reusable data
- Updates: <http://scholar.lib.vt.edu/theses>
- Email: ETD-db@scholar.lib.vt.edu