An Open-Source Toolbox for Annotation of Digital Maps and Manuscripts

Shannon Bradshaw
Dept of Computer Science
Drew University

Martin Foys
Dept of English
Drew University
History

• Digital Mappaemundi
• General-purpose annotation toolbox
• DMSTech
Funding

- NEH Digital Humanities Startup Grant (DM)
- Andrew W. Mellon Foundation (toolbox)
Toolbox Architecture

- UI Widgets
- Web Service Adaptor
- Image Service Adaptors

Toolbox

Manuscript Repository

Image Server

Annotation Store

OAC

or

DREW UNIVERSITY
Scholarly Primitives

- Discover
- Examine
- Compare
- Annotate
- Organize
- Synthesize
- Cite
Easily Transition Among Primitives

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Transition
Design process

- Consider a primitive, imagine functionality
- Consider a point of access to the system, identify the primitives that might manifest
- Helps identify toolbox widgets
- Enables us to evaluate transition models
Example: Primitive -> Functionality

Discover:

- Keyword search
- Catalog browser
- Highlight recent annotations
- Sort and filter search results
- Hover for more detail (like Google image search)
- Identify all sequences containing a folio
- Help creating annotations (words, fields, etc.)
- Auto-complete for keyword search
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Viewing a resource (image):

• **Examine** resource
• **Discover** related annotations
• **Compare** this resource to others
• **Annotate** resource
• **Annotate** region of interest
• **Organize** resource annotations with other materials
• **Synthesize** an observation by linking and annotating a group of annotations
• **Cite** (link to) this resource elsewhere
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One Transition Model
Other Transition Models

- Multiple tabs or browser windows
- Multiple JavaScript windows
- Tiled activity windows
- Anchor and pivot
Annotation Model Summary
OAC Lessons Learned So Far

• Context in which annotation was created may need to be incorporated into annotation store
• May need to enable users to link areas within multiple images as identical
• Users need to be able to specify sequence for regions of interest and linked annotations
• May need to enable users to specify z-ordering