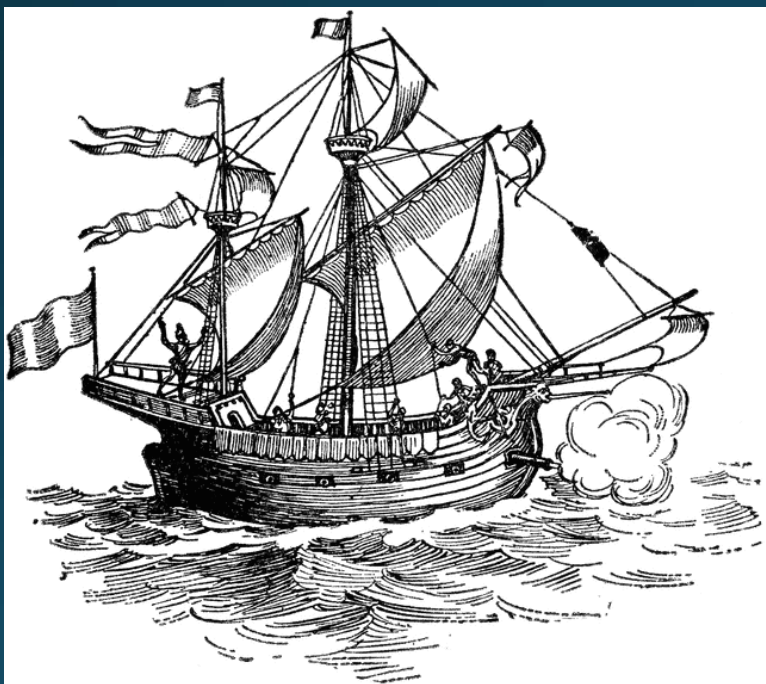


Sailing the High Seas of Open Access Publishing



With the OJS XML Galley Plugin

Nick Homenda, Digital Projects Librarian
Shayna Pekala, Scholarly Communication Librarian
Indiana University Libraries

April 8, 2015 · #dlbb

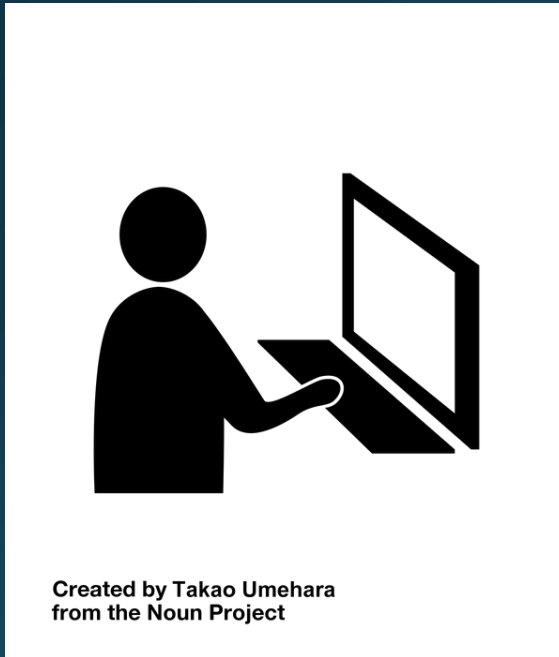
Agenda

- About XML publishing
- OJS and XML
- XML publishing at IU Libraries
- Two case studies
- Migration to new workflows
- Possibilities for the future



What do we mean by XML publishing?

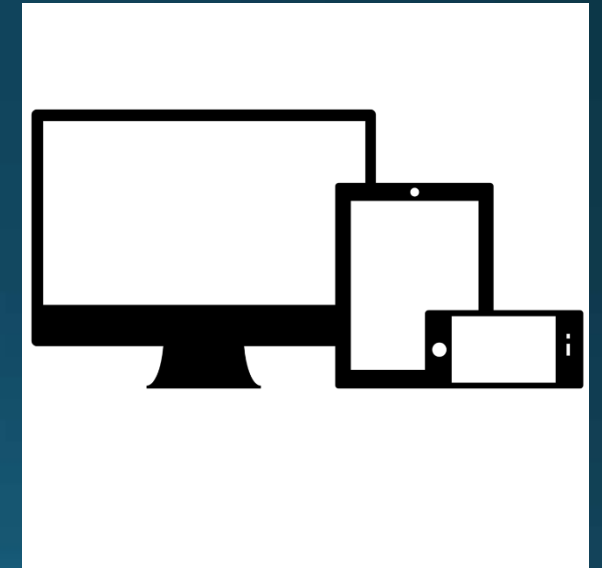
Author



Store/Transport



Display



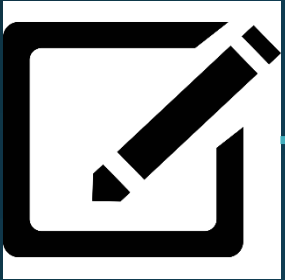
Why do publishers care about XML?



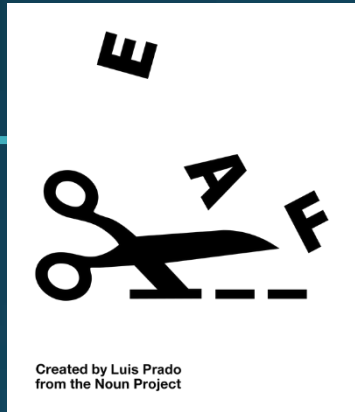
CC-BY [adactio](#)

Traditional Publishing Workflow

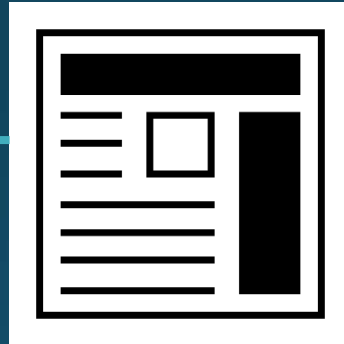
Authoring



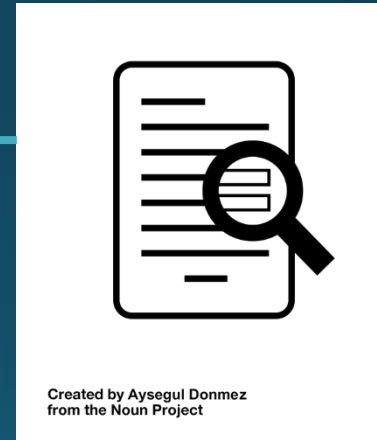
Editing



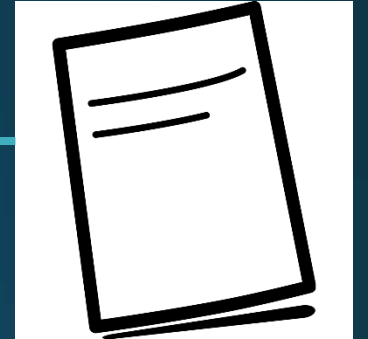
Typesetting



Proofreading
/corrections



Printing/e-
delivery

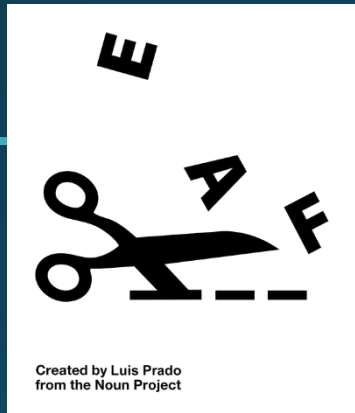


XML First

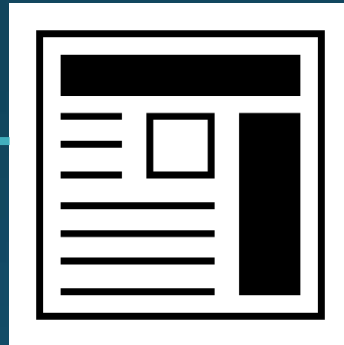
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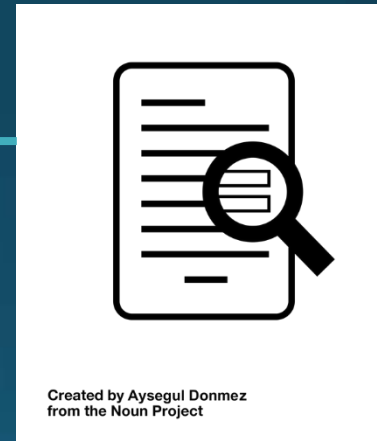
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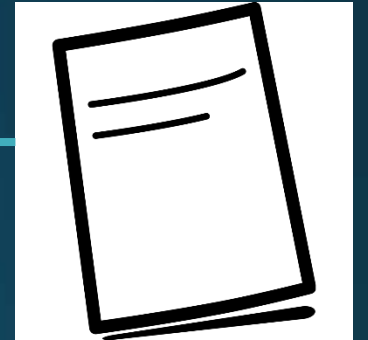
Typesetting



Proofreading
/corrections



Printing/e-
delivery

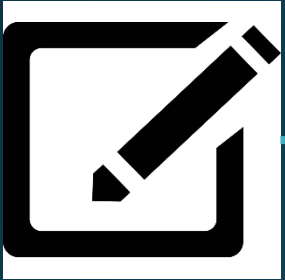


XML

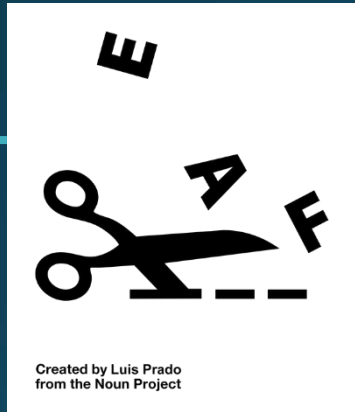


XML in the Middle

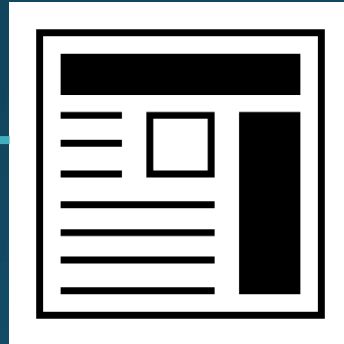
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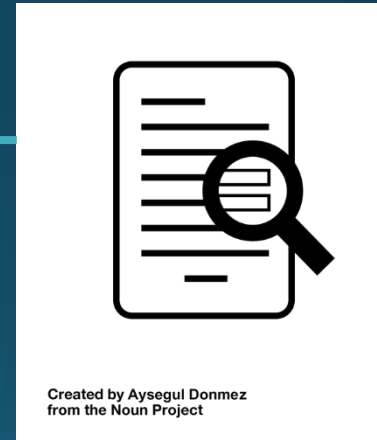
Editing



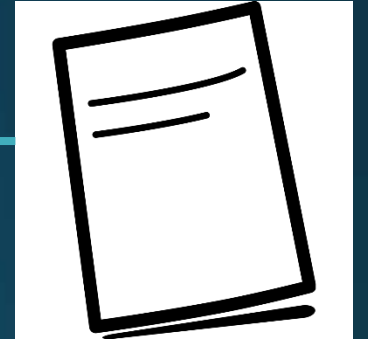
Typesetting



Proofreading
/corrections



Printing/e-
delivery

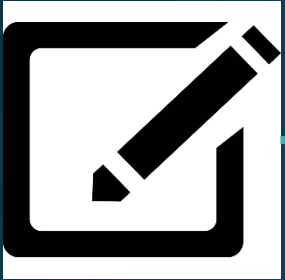


XML

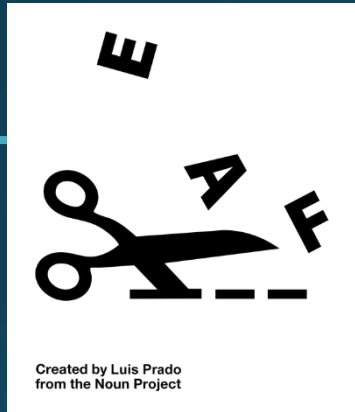
A large teal arrow pointing upwards from the word "XML" to the editing stage of the workflow.

XML Last

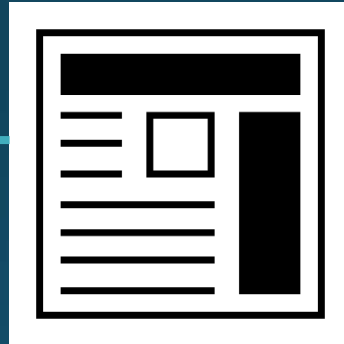
Authoring



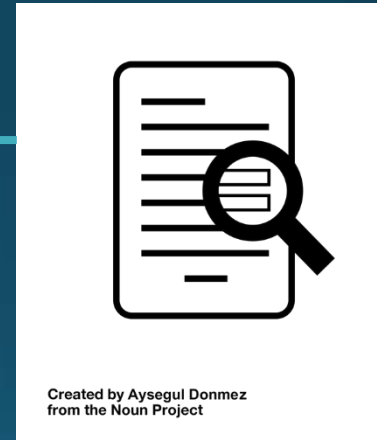
Editing



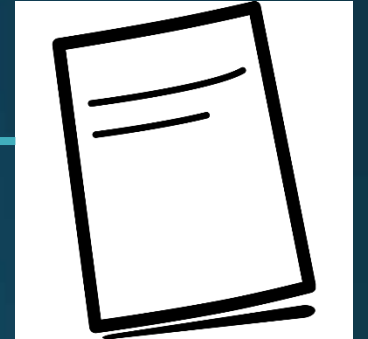
Typesetting



Proofreading
/corrections



Printing/e-
delivery



XML

About OJS

- Open source publishing platform
- Developed in 2000 by PKP
- Designed to manage submissions/communications and distribute content
- No built-in document editing capability

XML Support in OJS

- Export tools
 - Citation markup assistant
 - Plugins for CrossRef, DOAJ, PubMed, DataCite, etc.
- Import tools
 - XML galley plugin

XML Galley Plugin

Settings

XSLT Rendering Method * :

- PHP 5.0.0+ with XSL functions (libxslt)
- PHP 4.0.3+ with XSLT functions (Sablotron) **Not Available**
- External command-line XSLT renderer (eg. Xalan)

Enter the complete path to the XSLT renderer tool, with any required arguments. Use %xsl to substitute the location of the XSL stylesheet file, and %xml to substitute the location of the XML source file; eg:

```
/usr/bin/java -jar ~/java/xalan.jar -HTML -IN %xml -XSL %xsl
```

XSL Stylesheet * :

- [NLM Journal Publishing DTD → XHTML](#)
- Enable rendering PDF galleys using XSL-FO (eg. FOP)

Enter the complete path to the FO processor, with any required arguments. Use %fo to substitute the location of the XSL-FO file, and %pdf to substitute the location of the PDF file; eg:

```
/usr/sbin/fop -fo %fo -pdf %pdf
```

- Custom XSL stylesheet

Choose File No file chosen

Upload

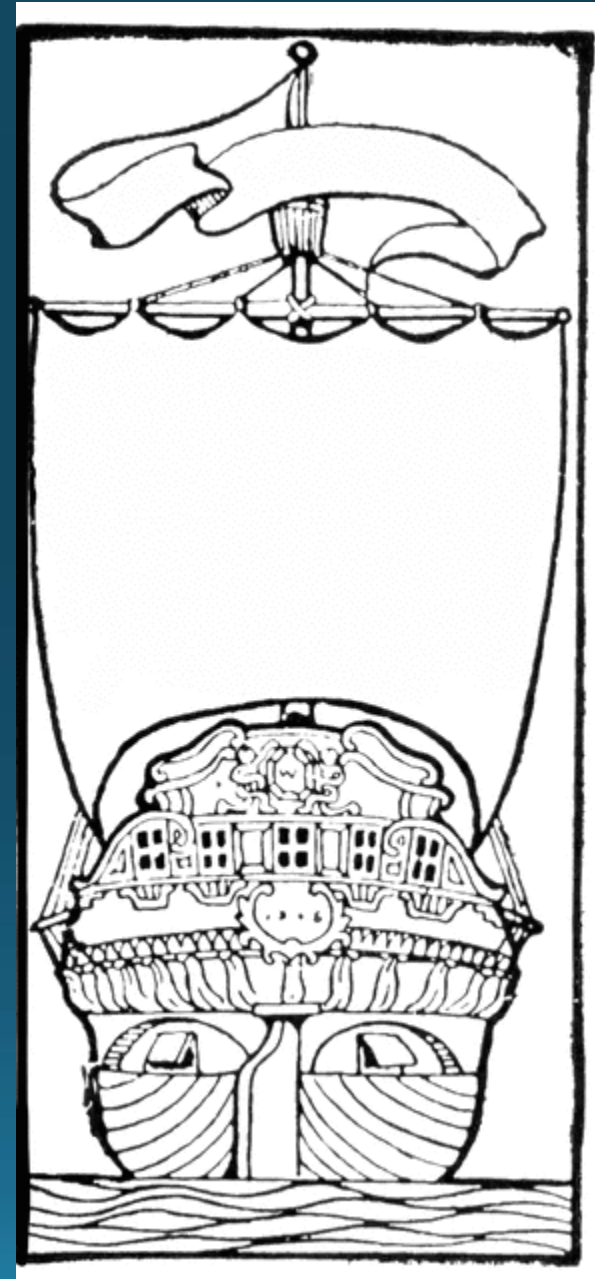
File Name: IMH_xhtml_tweaked.xsl Delete

Save

Cancel

XML at IU Libraries

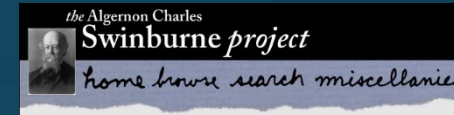
- DLXS
 - Wright
 - VWWP
 - Victorian Studies Bibliography
 - IMH Index



XML at IU Libraries

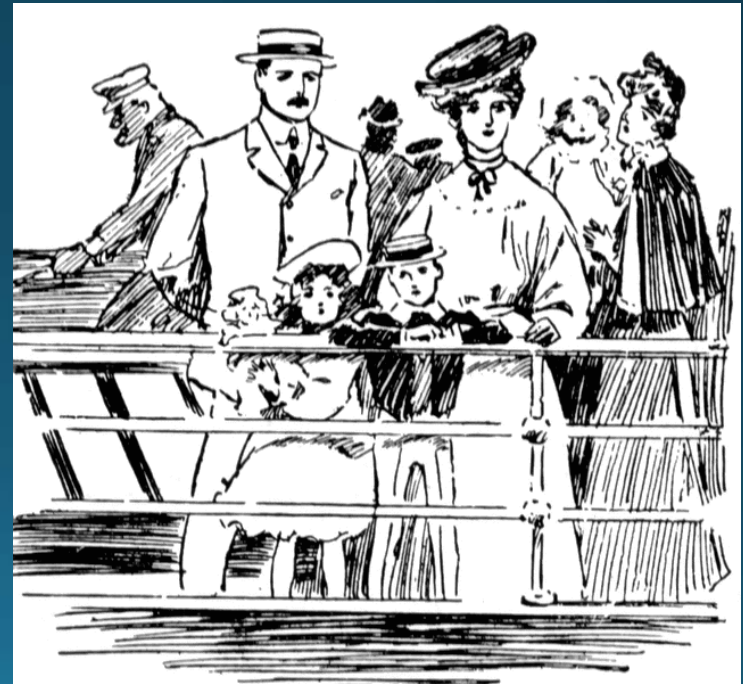
- XTF

- Newton
- Swinburne
- Board of Trustees
- Bloomington Faculty Council
- Brevier Legislative Reports
- VWWP
- Indiana Authors
- Wright American Fiction
- And Indiana Magazine of History!



Indiana Magazine of History History

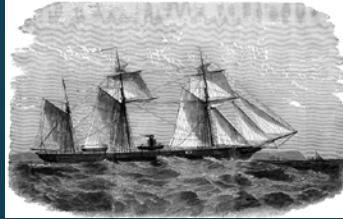
- First published March 1904
- 4 issues per year, 2-4 scholarly articles, ~10 book reviews, editorial content
- 2006-2008 project
- LSTA Grant



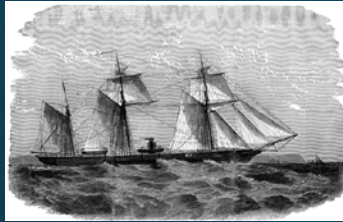
Indiana Magazine of History Workflow



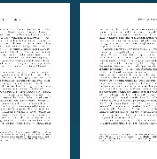
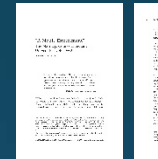
Indiana Magazine of History Workflow



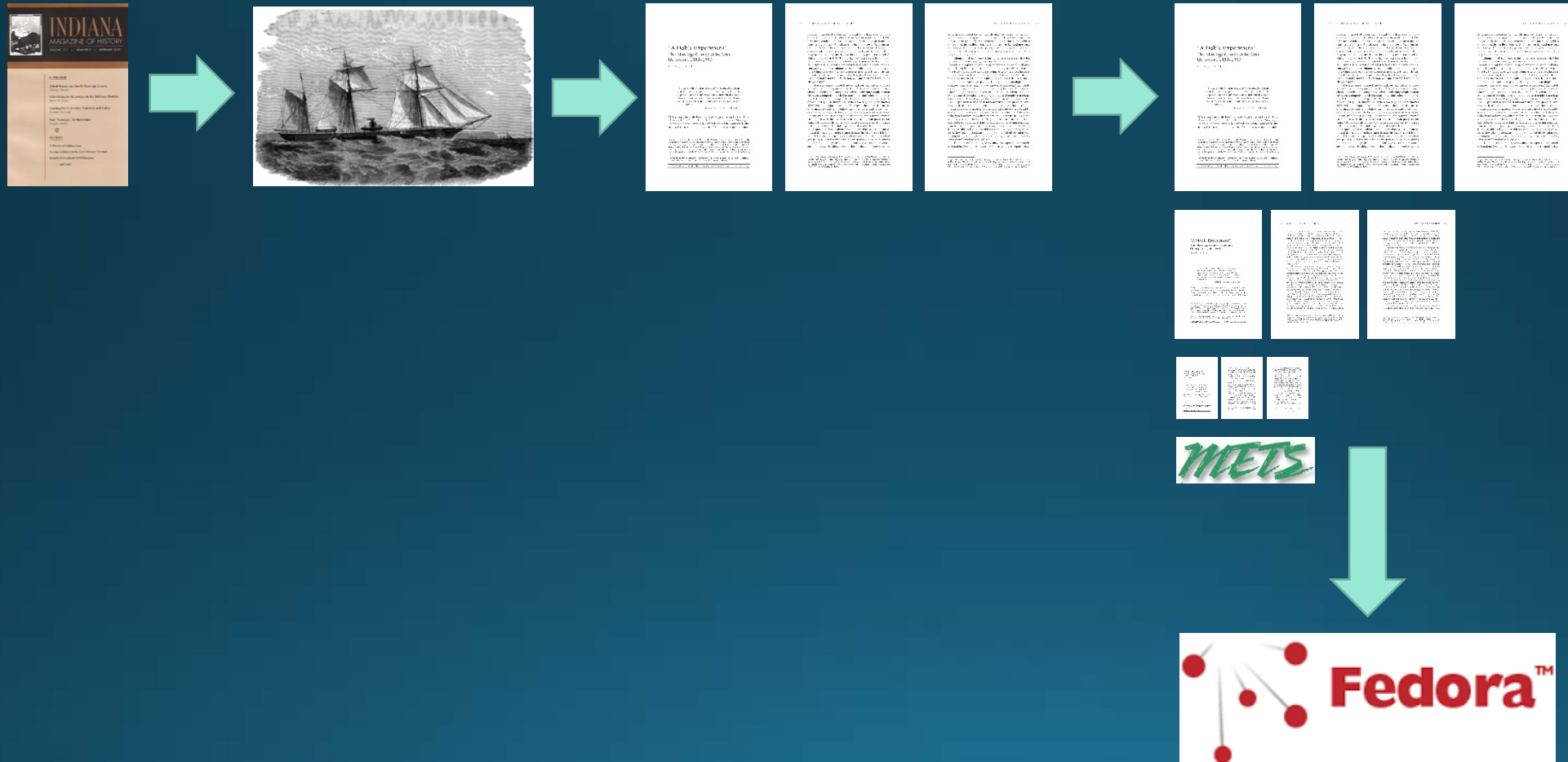
Indiana Magazine of History Workflow



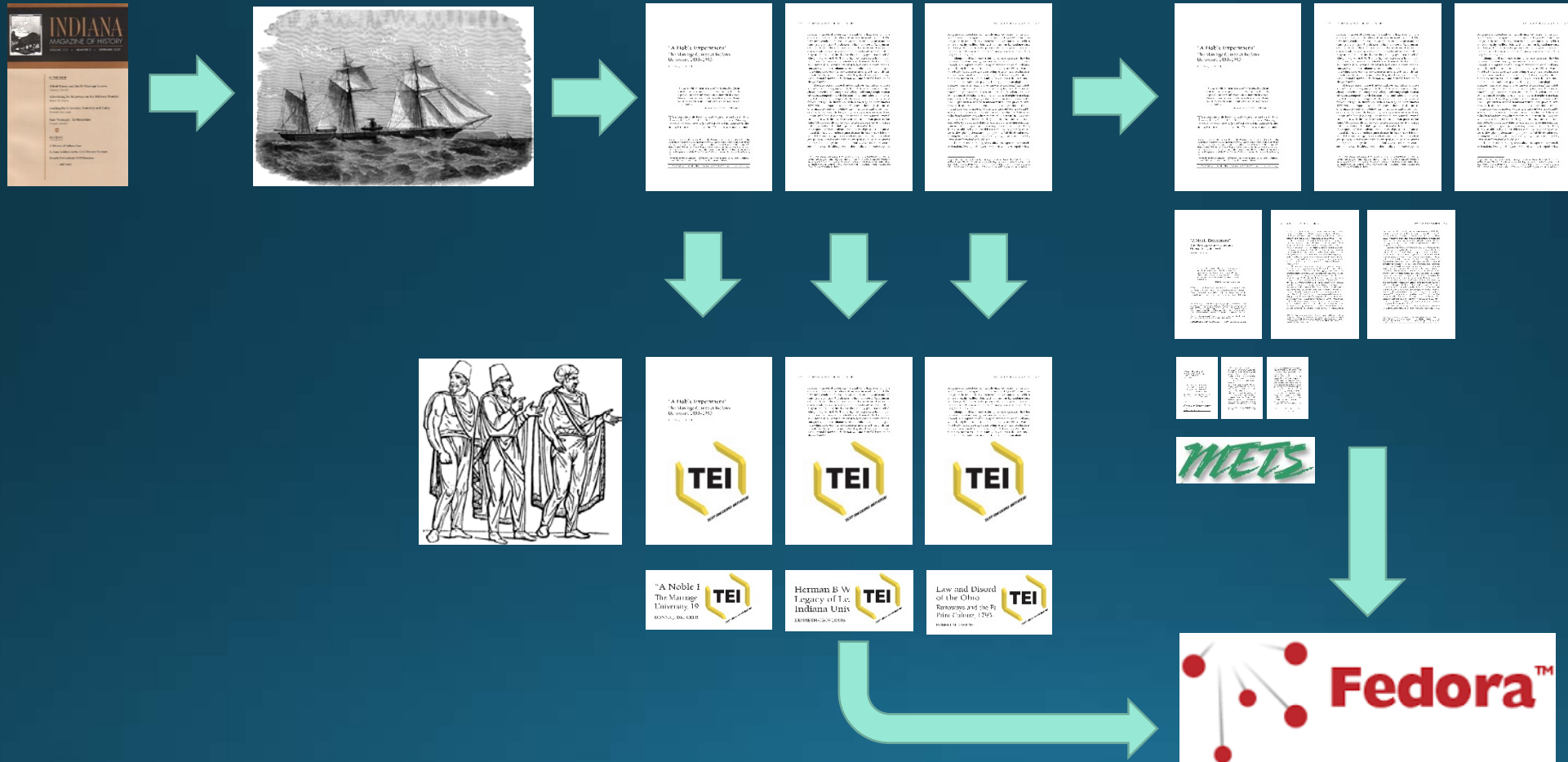
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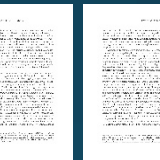
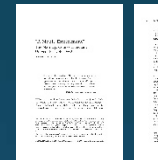
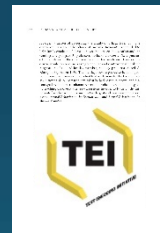
Indiana Magazine of History Workflow



Indiana Magazine of History Workflow



Indiana Magazine of History Workflow

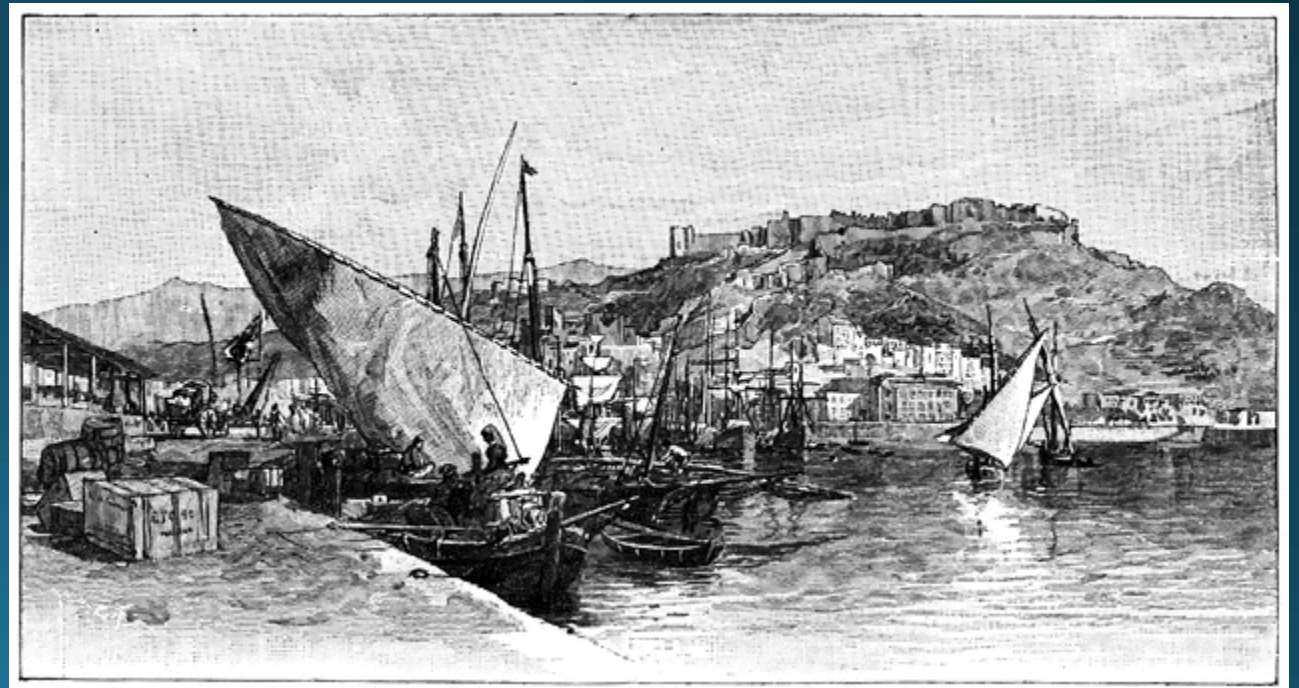


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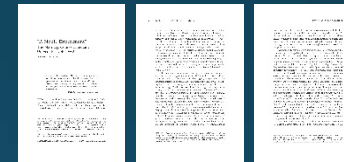
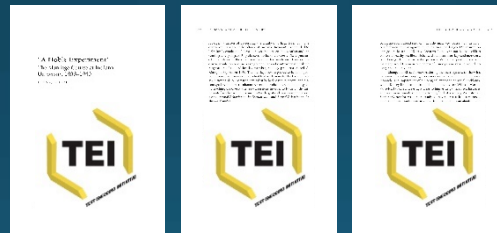
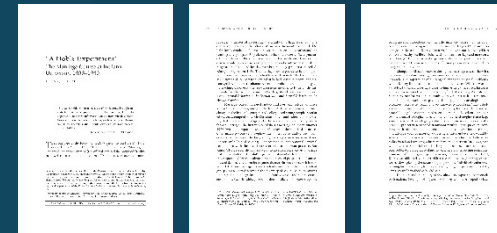
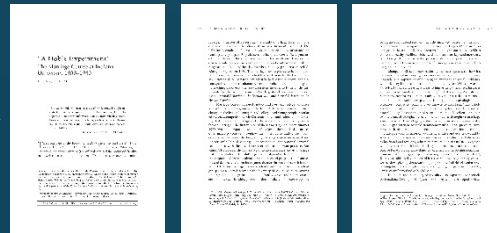
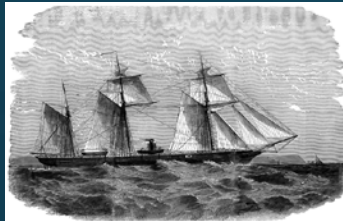


IMH Migration

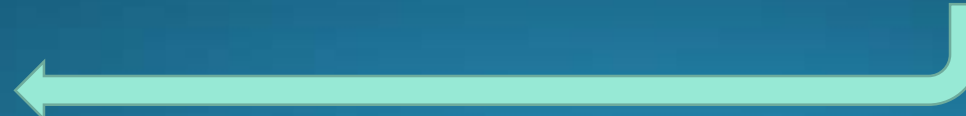
- 2013 feasibility study
- TEI not touched!
- Metadata cleanup for OJS
- Import and test



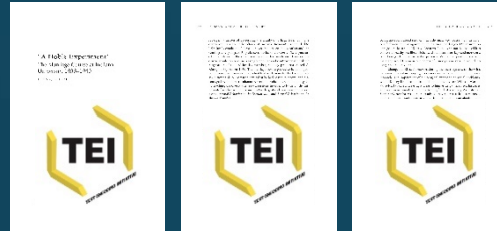
Indiana Magazine of History Workflow



+



OJS XML Workflow



Single XQuery!



A screenshot of the Indiana Magazine of History website. The page features a search bar, navigation links (HOME, ABOUT, SEARCH, BROWSE BY DATE, PROJECT INFORMATION, COPYRIGHT), and a list of articles. The website is published by the Indiana University Department of History and is part of the IU Libraries' ScholarWorks Journals service.

The Medieval Review

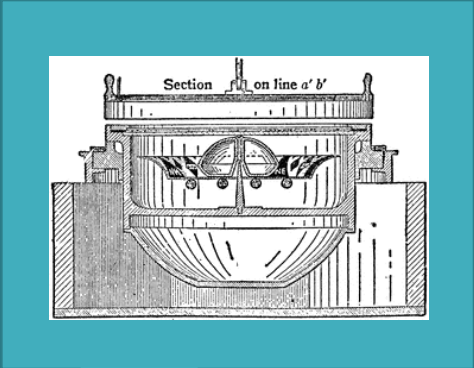
- Since 1993
- Publish electronic reviews continuously via email
- Distributed editors and staff
- IUScholarWorks launch in 2009



The Medieval Review Workflow

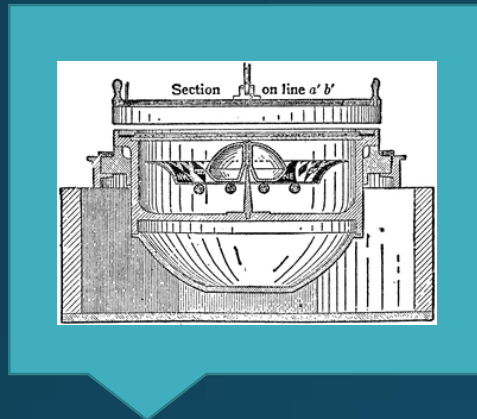


The Medieval Review Workflow



FileMaker.

The Medieval Review Workflow

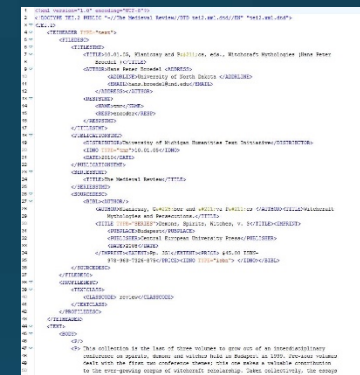
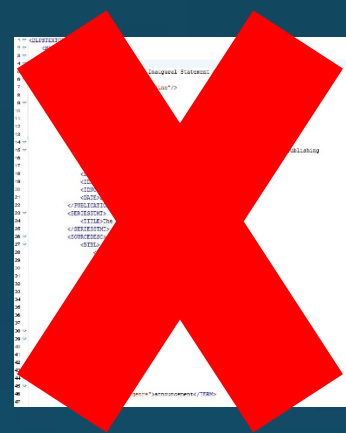
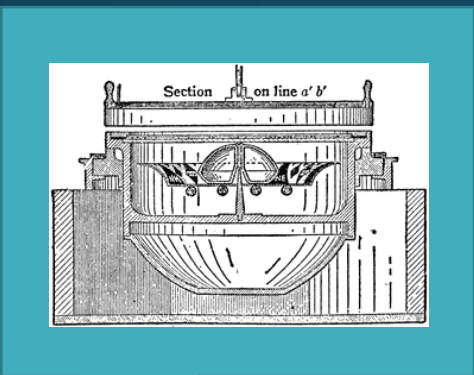


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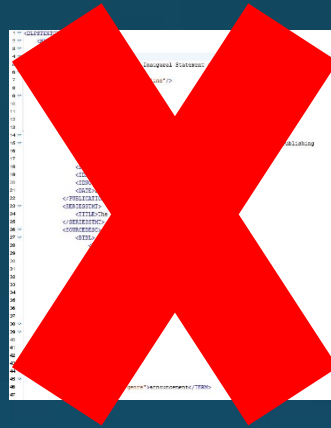
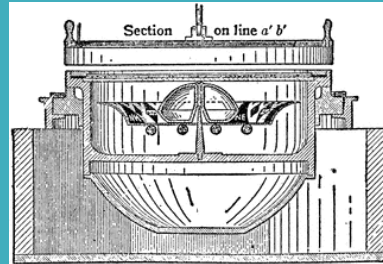
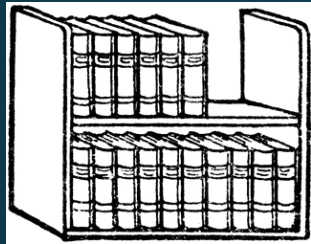
FileMaker.

The Medieval Review Workflow

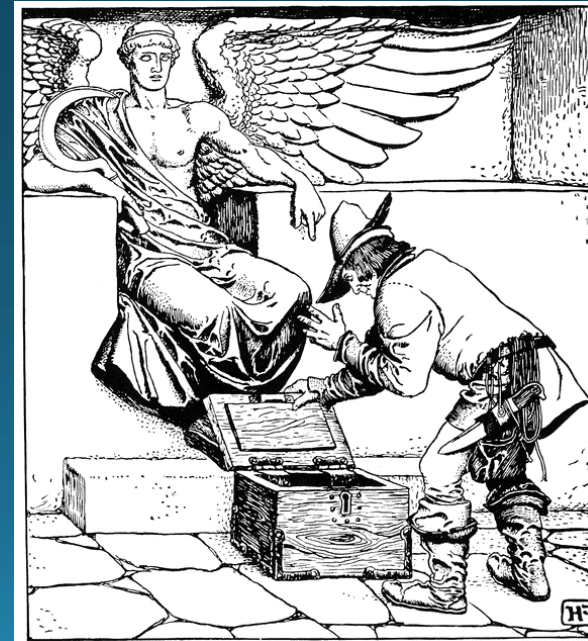


FileMaker.

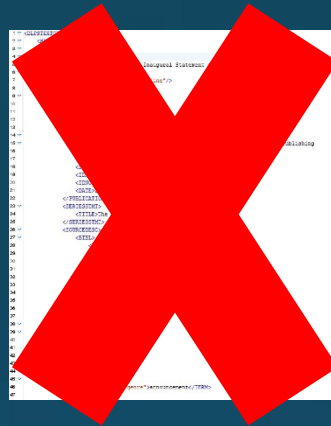
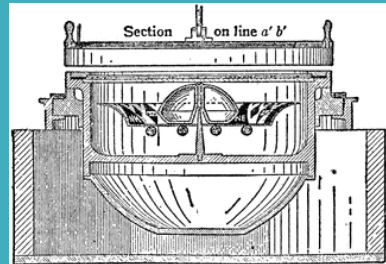
The Medieval Review Workflow



FileMaker



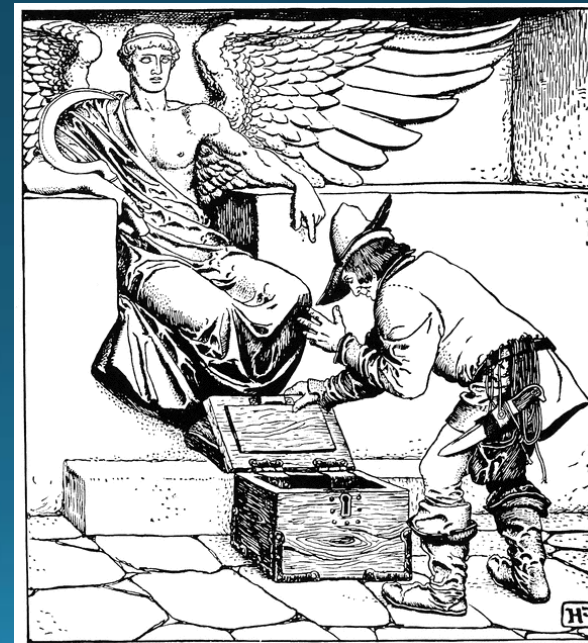
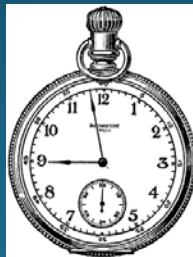
The Medieval Review Workflow



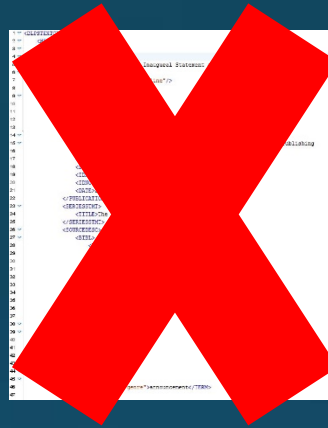
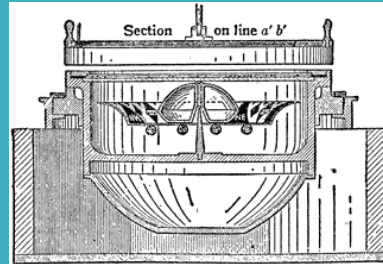
FileMaker

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  <img alt="Thumbnail image of the book cover." data-bbox="75 725 215 775" style="width: 140px; height: 50px;"/>
  <img alt="Thumbnail image of the book cover." data-bbox="75 775 215 825" style="width: 140px; height: 50px;"/>
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<file id="img-main-content">
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```

XSLT

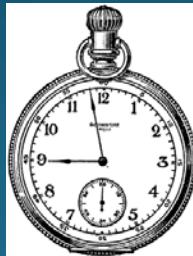


The Medieval Review Workflow



FileMaker

XSLT



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  <img alt="FileMaker logo" data-bbox="290 560 360 670"/>
  <img alt="XSLT logo" data-bbox="290 800 350 840"/>
  <img alt="Pocket watch" data-bbox="430 740 500 920"/>
  <img alt="Large red X" data-bbox="510 240 640 530"/>
  <img alt="Manuscript page" data-bbox="660 260 790 520"/>
  <img alt="Large green arrow" data-bbox="800 380 930 790"/>
  <img alt="Illustration of an angel and a man" data-bbox="570 540 800 980"/>
  </div>
```

Future Possibilities

- Partner with journal editor to implement JATS XML workflow
 - Transform Word files to JATS XML
 - Simple markup
 - [Word template](#)
 - [PKP XML Parsing Service](#) (experimental)
 - OJS Word XML to JATS XML plugin (under development, learn more [here](#))
 - Use XML Galley Plugin to publish XHTML and PDF from JATS
 - [Sample JATS file](#)
 - [Demo](#)

Thanks/Questions

- Historical clip art from University of South Florida's [ClipArt ETC](#)

