

Using Schematron for Analyzing Conformance to Best Practices for EAD.TEI, and MODS

(and some other thoughts on workflow tools)

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Consistency is a challenge

- Document-centric XML (TEI, EAD) is very difficult to create consistently
- Some common tools to help:
 - Schema/DTD validation
- Tag libraries
- XML templates
- Example documents
- Keyboard macros
- · Detailed encoding guidelines
- These are not enough!

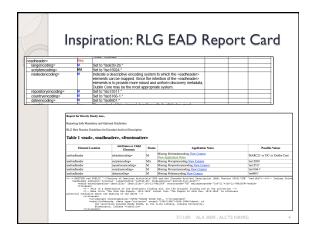
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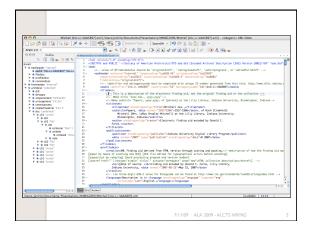
Another

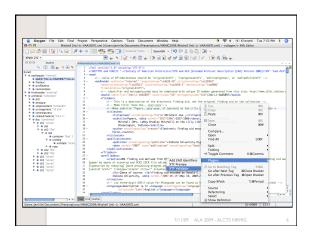
Another possible tool layer

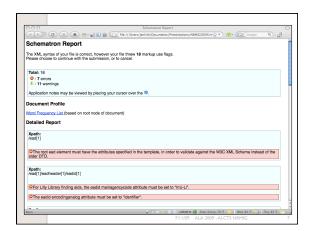
- Machine validation of a file against local encoding guidelines
- Can only go so far, but that far is extremely helpful
- Indiana University implemented using:
 - Schematron (http://www.schematron.com)
 - <oXygen /> plugin architecture

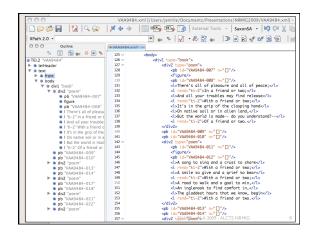
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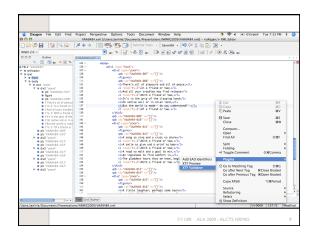


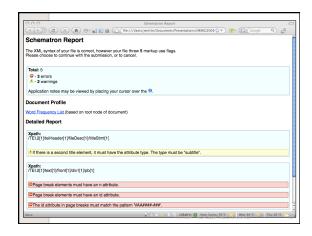


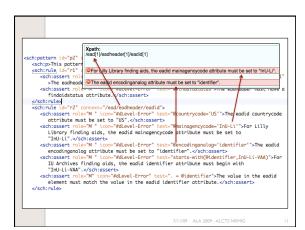


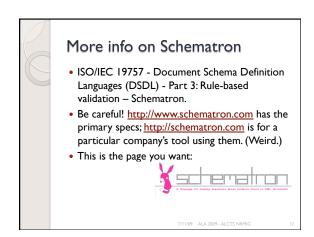












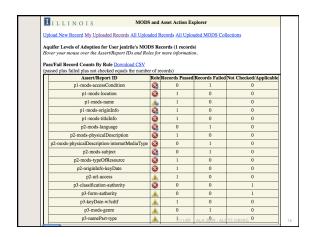
Using a Schematron file

- Schematron home page provides two distributions:
 - One for XSLT 1.0 processors and one for 2.0 processors
 - Each includes a set of three stylesheets to be used in turn on the Schematron file
 - $^{\circ}$ Result of this processing is a stylesheet to be run on your XML instance document
- IU implementation wraps this all up into an <oXygen /> plugin written in Java
- You could also pipe them together with a shell script, a Windows .bat file, etc.....

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Levels of Adoption The Dipital Library Externation / Aquiter Implementation Guidelines for Sharashie MODS Records provide guidance on the use of N Aquiter Initiative. The Quidelines have now an accord-centric view of Aquiter's goals, whereas it is often helpful to set priorities to Aquiter initiative. The Quidelines is terminated to the common of the provided of





Let's step back

- How can better tools revolutionize metadata creation workflows?
 - Promoting consistency
 - This is hard and not something that humans are generally good at
 - True interoperability between systems
 - Without futzing!
- We spend too much valuable human time doing repetitive and low-value tasks as part of descriptive workflows

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Were do we go from here?

- Make better use of available technologies
 - Automating
- Streamlining
- Validating
- We can and must do our jobs better and more efficiently, with the help of better tools
 - Providing comparable services with less
 - $^{\circ}$ Creating a convincing argument for more?

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There is no excuse for not having usable metadata creation tools.

- Smart systems are possible and necessary
 - Configurable
 - Modular
 - Connected
- Make it easy to do it well
 - Consistent
 - Complete
- Efficient
- Make it hard to do it poorly
- We must pay attention to user interface design for cataloging tools

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OK, rant over. Thank you!

- jenlrile@indiana.edu
 - (watch out for the invisible "I" in the middle)
- Slides and handout:
 - On ALA presentations Wiki http://presentations.ala.org
 - On my home page http://www.dlib.indiana.edu/~jenlrile/ presentations/nrmig2009/>

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