Processing XML and TEI into What? A Free-for-all Pair of Workshops

DHSI 2021, Course #12, Elisa Beshero-Bondar

Coursepack contents (coauthored by Elisa Beshero-Bondar and David J. Birnbaum)

A. Contents 1
B. About this course 3
C. Syllabus 5
D. Resources (bibliography and links) 8
E. Exercises and tutorials (links) 10
F. XPath
  1. What can XPath do for me? 11
  2. The XPath functions we use most 21
G. Regular expressions (regex)
  1. Autotagging with regular expressions (regex) 25
H. XSLT
  1. Introduction to XSLT 33
  2. Attribute value templates (AVT) 41
  3. The XSLT identity transformation
    a. Tutorial 45
    b. Exercise 49
  4. Modal XSLT 52
  5. XSLT, part 2: advanced features 55
  6. Using <xsl:analyze-string> 63
I. Schematron
  1. Guide to schema writing with Schematron 66
  2. Validating references with Schematron 69
  3. Coding with unique identifiers and Schematron 73
J. What's new in XSLT 3.0 and XPath 3.1 (under development) 76
K. Obdurodon exercises and tests
  1. Regular expressions (regex) 81
  2. XPath 95
  3. XQuery 103
  4. XSLT 108
  5. Schematron 129
L. Newtfire exercises and tests
  1. Regular expressions (regex) 134
  2. XPath 136
  3. XQuery 144
  4. XSLT 147

5. Schematron....163
M. Mulberry guides and quick references
1. Guide to using the Oxygen XML Editor (v20.0)....176
2. XQuery 1.0 and XPath 2.0 functions and operators quick reference....189
3. Regular expressions in XSLT 2.0, XQuery 1.0 and XPath 2.0 quick reference....191
4. ISO Schematron quick reference....193
5. XPath 2.0 quick reference....195
6. XQuery 1.0 quick reference....197
7. XSLT 2.0 quick reference....199
N. Supplemental readings
1. *XQuery* (Priscilla Walmsley; sample)....202
2. *XPath 2.0 and XSLT 2.0 programmer's reference* (Michael Kay; table of contents)...232