2010-11-16

Digital Publishing and Preservation Using XML

Welzenbach, Rebecca; Schaffner, Paul; Hawkins, Kevin

http://hdl.handle.net/2027.42/109398
TEI workshop session 9

CHOICES

You can encode (mark up) almost anything.

But what should you encode?

And to what depth?

Your choices will be dictated by ...

- the nature of the material
- the character of your incoming data
- the amount of your funding
- the patience of your funders
- (how much time left till your retirement)
- the scale of the project (how many items)
- the scope and variety of the project
- the purpose of the project
  - desired functionality
  - expected (or guessed-at) audience
  - potential for repurposing
  - potential for sharing/reuse
• your own knowledge or ignorance

• the existence of standards
  • why to avoid them. They are:
    ▪ complex, hard to use
    ▪ not tailored to material
    ▪ not supported by local expertise or compatible with local systems
    ▪ not as good as what you can come up with yourself
    ▪ etc.?
  • why to use them. You can
    ▪ leverage community expertise
    ▪ share data
    ▪ share tools
    ▪ entertain at least a faint hope of "sustainability"
  • library practice summarized in GUIDELINES. (http://www.tei-c.org/SIG/Libraries/teiinlibraries/)
    ▪ a good starting-point
    ▪ provide good suggestions rooted in actual practice
    ▪ do not merely define but apply tags, with examples
    ▪ offer five ‘levels’ of commitment:
      1. raw OCR marked off into pages, linked to page images
      2. = LEVEL 1 + chapter divisions and headings
      3. = LEVEL 2 + refinements. Text may (?) stand on its own.
      4. Better text (keyed or corrected), tagged enough to stand alone
      5. = LEVEL 4 + considerable manual intervention based on subject knowledge.

Our own projects as examples:

• (LEVEL 1) Mass-digitization projects Making of America (http://quod.lib.umich.edu/m/moagrp/) and the Google-scanned books going into HathiTrust (http://www.hathitrust.org)
(LEVEL IV) The Text Creation Partnership. (http://www.lib.umich.edu/tcp/docs/) See sample TCP file. (/files/departments/dpp/20101113-pfs/20101113-09b.xml)

(LEVEL V) Middle English Dictionary (http://quod.lib.umich.edu/m/med) (and Compendium. (http://quod.lib.umich.edu/m/mec) See sample MED file. (/files/departments/dpp/20101113-pfs/20101113-09a.xml)

(LEVEL IV) Knight’s American Mechanical Dictionary (http://www-personal.umich.edu/~pfs/knight/index.html)

(LEVEL V) The Faculty CV project (http://www-personal.umich.edu/~pfs/cvs/)

These differ in

- their adherence to standards
- their labor-intensity
- their longevity (the price of success?)
- their scale and scope

But share a common rationale:

- intelligible display
- intelligent navigation
- contextually useful search restrictions
- constraint by method and cost
- susceptibility to incremental improvement
Except where otherwise noted, this work is subject to a Creative Commons Attribution 4.0 license. For details and exceptions, see the Library Copyright Statement.

©2014, Regents of the University of Michigan