

Challenges in the Nursery: Linking a Finding Aid with Online Content

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Image display with METS Navigator

- Made use of existing DLP delivery system for multi-page digital objects
- METS, a Digital Library Federation initiative, attempts to ... provide an XML document format for encoding metadata necessary for both management of digital library objects within a repository and exchange of such objects between repositories (or between repositories and their users).*

*from <<http://www.loc.gov/standards/mets/METSOverview.v2.html>>

Fitting Jane Johnson into the METS Navigator model

- Worked well with existing model
 - Look and feel configurable
 - EAD finding aid served as external source of intellectual access
 - “Return to Finding Aid” link
 - Multiple image sizes for each page
- Presented new challenges
 - Notion of “sets”
 - Navigation for many 2-sided items
 - Dynamic description

METS file for each set

```
- <mets:structMap TYPE="physical">
- <mets:div ORDER="1" TYPE="set" LABEL="Set 1. A B C. Set of alphabet cards with letters, vowels, syllables, words,
  and four line verses. Nos. 1-23, 25-52. With ink-drawn borders. Pasted on verso, printed hand-colored pictures
  of people, animals, and birds. 1738. 51 items.">
- <mets:div ORDER="1" TYPE="page">
  <mets:fptr FILEID="LL-JJC-01-01-1-full" />
  <mets:fptr FILEID="LL-JJC-01-01-1-screen" />
  <mets:fptr FILEID="LL-JJC-01-01-1-thumb" />
</mets:div>
- <mets:div ORDER="2" TYPE="page">
  <mets:fptr FILEID="LL-JJC-01-01-2-full" />
  <mets:fptr FILEID="LL-JJC-01-01-2-screen" />
  <mets:fptr FILEID="LL-JJC-01-01-2-thumb" />
</mets:div>
```

```
- <mets:structMap TYPE="logical">
- <mets:div ORDER="1" TYPE="set" LABEL="Set 1. A B C. Set of alphabet cards with letters, vowels, syllables, words,
  and four line verses. Nos. 1-23, 25-52. With ink-drawn borders. Pasted on verso, printed hand-colored pictures
  of people, animals, and birds. 1738. 51 items.">
- <mets:div ORDER="1" TYPE="item" LABEL="Item 1 (Recto and verso)">
- <mets:div ORDER="1" TYPE="page">
  <mets:fptr FILEID="LL-JJC-01-01-1-full" />
  <mets:fptr FILEID="LL-JJC-01-01-1-screen" />
  <mets:fptr FILEID="LL-JJC-01-01-1-thumb" />
</mets:div>
- <mets:div ORDER="2" TYPE="page">
  <mets:fptr FILEID="LL-JJC-01-01-2-full" />
  <mets:fptr FILEID="LL-JJC-01-01-2-screen" />
  <mets:fptr FILEID="LL-JJC-01-01-2-thumb" />
</mets:div>
</mets:div>
```

Additions to the EAD finding aid

```
<dsc type="in-depth">
  <head>Contents List (In-Depth)</head>
  <!-- unittitle is the only required element within component -->
  <!-- use <scopenote> instead of <abstract> when describing materials in container lists -->
  - <c01 level="otherlevel" otherlevel="set" id="LL-JJC-01">
    - <did>
      <unittitle>Set 1. A B C</unittitle>
      <dao href="http://purl.dlib.indiana.edu/iudl/lilly/janejohnson/LL-JJC-01" linktype="simple" />
    </did>
    - <scopecontent>
      <head>Scope Note:</head>
      - <p>
        Set of alphabet cards with letters, vowels, syllables, words, and four line verses. Nos. 1-23, 25-52. With
        printed hand-colored pictures of people, animals, and birds.
        <date type="single" normal="1738" era="ce" calendar="gregorian">1738</date>
        . 51 items.
      </p>
    </scopecontent>
  - <c02 level="item" id="LL-JJC-01-01">
    - <did>
      <unittitle>1. Alphabet A-O</unittitle>
      - <note label="Description of item:">
        <p>Upper case letters</p>
      </note>
      - <note label="Transcription:">
        <p>A B C D E F G H I J K L M N O</p>
      </note>
      - <physdesc label="Dimensions:">
        <dimensions>6.3 x 9.5 cm</dimensions>
      </physdesc>
      <dao href="http://purl.dlib.indiana.edu/iudl/lilly/janejohnson/LL-JJC-01&pn=1" linktype="simple" />
    </did>
  </c02>
```

Online display of finding aid

- Our current finding aids delivery system can't handle EAD linking elements
 - Therefore, Jane Johnson finding aid currently available in 2 places, with different content!
- Modified a pair of XSLT stylesheets from the EAD Cookbook
 - Adopted look and feel of IU Finding Aids site
 - Ensured linking elements were handled
- Transformed offline and loaded resulting HTML to Web server as a static page
- Resulting page links to online images at set and item levels

Linking issues

- Early decision to link to external content rather than embed content in finding aid display
- PURLs needed at set and item level
 - <http://purl.dlib.indiana.edu/iudl/lilly/janejohnson/LL-JJC-01>
 - <http://purl.dlib.indiana.edu/iudl/lilly/janejohnson/LL-JJC-01&pn=1>
- Filenaming
 - Made use of existing structure of finding aid
 - Allow for 2-sided items
- Act of linking allowed us to find small errors in finding aid, digitization, and filenaming

Metadata creation issues

- Pre-existing EAD finding aid beneficial
- Enhancements to EAD made manually
- METS generation partially scriptable, but still labor-intensive

Future improvements needed

- Digitize remainder of collection
- Metadata creation
 - Streamlining EAD data entry
 - METS generation tool
- Finding aids delivery system
 - More flexibility with display & linking
 - Ability to address specific points in online version
- METS Navigator
 - More flexible item description
 - Handle deeper hierarchies
 - “Container” METS documents

Back to Elizabeth...

For more information

- Jane Johnson's Manuscript Nursery Library:
<http://www.dlib.indiana.edu/collections/janejohnson/>
- These presentation slides:
<http://www.dlib.indiana.edu/~jenlrile/presentations/bbspr06/janejohnson/jj.ppt>
- Elizabeth Johnson: johnson1@indiana.edu
- Jenn Riley: jenlrile@indiana.edu