

ITR08 Lecture 4

XML Record Format to catalog CD

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Reading

Please refer to the latest version of this file on the net at <http://wotan.liu.edu/home/krichel/itr8/itr8-04.ps> to have the latest version of the controlled vocabulary of roles.

Introduction

This a format for CD cataloging using XML.

Format called "sofix".

Thomas and students have made it all up.

## Conceptual framework

Three key concepts

- Item: an individual CD or a collection of CDs kept physically together (i.e. sold together)
- Work: a piece of music as recorded on a CD. For simplicity, we do not distinguish between composition and recording of that composition.
- Track: semantics associated with physical separation on disk

## Generalities

- All titles in English.
- If no English title provided, use a translation if it is obvious.
- If the translation is not obvious, use original language.
- All personal names as *Lastname, Initials*.

XML implies a nested structure

```
<item>
  <work>
    ...
  </work>
  <track>
    <track>
      <work>
        </work>
      </track>
    </track>
  </item>
```

attributes of item

<labelname>name of label</labelname>  
<number>number of the CD</number>

attributes of work

<work>  
<compositionyear>take last year if there are several, including several possible years </compositionyear>  
<recordingyear>take last year if there are several</recordingyear>  
<title>take full title including opus number and key</title>  
<contributor role="role"> name of person or group with a role in work/performance </contributor>

controlled vocabulary of roles

composer, conductor

chamber\_orchestra, orchestra, piano-trio, string orchestra, string quartet

alto, bariton, bass, soprano, speaker choir

alto sax, bassoon, chello, clarinet, flute, french-horn, horn, oboe, organ piano, prepared-piano, recorder, viola, violin, xylophone

The complete listing of all possible values is held at

<http://wotan.lilj.edu/home/krichel/itr8/softx-roles>

attributes of a track

```
<track>  
<tracktitle>full title as given on CD </tracktitle>  
<time>minutes:seconds </time>  
</track>  
</work>  
</item>
```