

OPEN DATA MANAGEMENT & CLOUD EXAM PROJECT

AUDIO MUSIC FILE ARCHIVING

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STRUCTURE OF THE PROJECT

Aim of the project

Investigation of audio file archiving for music.

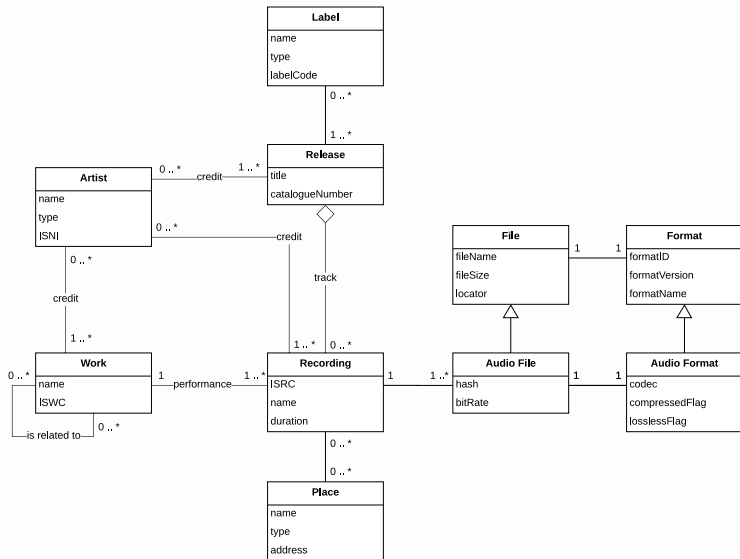
In particular:

- ▶ UML metadata model;
- ▶ XSD implementation and XML sample document;
- ▶ discussion of data discovery/access and interoperability;
- ▶ discussion of long term archiving and data preservation.

Data resource: not an actual dataset but music files in general.

METADATA STANDARDS FOR AUDIO FILES

MODEL DESIGN



XML EXAMPLE

Example of an XML document, valid against the proposed XSD.

```
<work>
  <ISWC id="ISWC_T-000.000.000-A"></ISWC>
  <title lang="en">
    <dc:title>Test Work</dc:title>
  </title>
  <hasArtist label="Will Wilson" description="Singer">
  </hasArtist>
  <hasPerformance label="Test Rec." description="Studio Ver.">
    <relationIdentifier>
      <ISRC idref="ISRC_AAAAA0000000"></ISRC>
    </relationIdentifier>
  </hasPerformance>
</work>
```


DIFFICULTIES AND POSSIBLE EXPANSIONS

DATA DISCOVERY: SEARCH/FILTER SERVICE

DATA ANNOTATION

STORAGE AND CLOUD SOLUTIONS

DATA PRESERVATION

INTEROPERABILITY

AUDIO FILE FORMATS

FINAL CONSIDERATIONS

REFERENCES