



# Features Implemented

### **Functional Requirements**

01 Data Integration

**Technical Features** 

**01** Data Retrieval

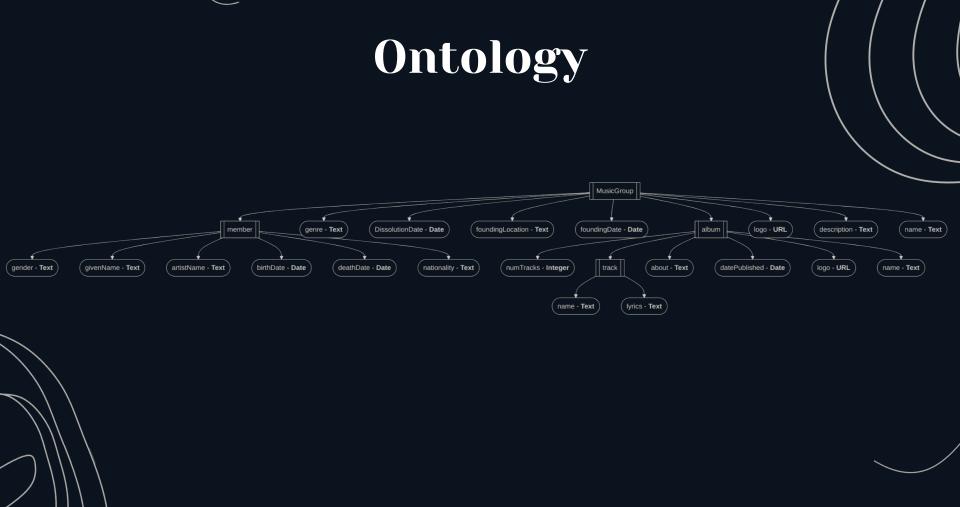
02 Data Linking

- **02** Search Capabilities
- **03** Data Presentation
- **04** Ontology Design
- 05 RDF Support

### **Non-Functional Features**

- **01** Data Consistency
- **02** Interoperability
- 03 API support

## Architecture Query Apollo's Orchestra lyrics.ovh Artist Track Track? MusicBrainz Wikidata Last.fm Pipeline



## Knowledge Bases Used



MusicBrainz API



Last.fm API



Lyrics.ovh API



WIKIDATA Api



AcousticBrainz API

## Challenges

#### Data Inconsistency

Data was stored inconsistently across different knowledge bases, in some cases, even within itself.

#### **Data Incompleteness**

Some information was missing from lots of entries. And that problem aggravated for lesser known artists or tracks

### **Defining Concepts**

Our solution had to be able to handle differences in the definition of music concepts:
Group or single artist, album or release, etc.





