**Audiometa v1.0**

**Software Design Document Template**

**1. About**

• **What is the software application or feature?**

This software is used to change the ID2 and ID3 Tag of audio file. There is support for many audios file types. This software is also used to read meta data from audio files.

**• Who it’s intended for?**

This software is intended for people who work with audio file and need to change the meta data. Example sound engineer, artists, record label, etc.

**• What problem does the software solve?**

This software helps the users to work with many audios file types and alter their meta data. It is a standalone lightweight software which can be used in place where a DAW or similar overkill software is not needed.

**• How is it going to work?**

This software is very simple to use and work by selecting an audio file you wish to alter the metadata of. A user will can enter the ID2 or ID3 details and save the file or export the audio file with saved metadata into another audio format. Upon saving or exporting the audio file, user can choose either to compress the audio file (lossless compression) or to retain the same size.

• **What are the main concepts that are involved and how are they related?**

1. The main concepts are
2. Change the metadata of an audio file
3. Read audio metadata
4. Choose whether to compress audio file or not
5. Chose output audio format

2. Technical Specification• What technical details need developers to know to develop the software or new feature?  
• Are there new tables to add to the database? What fields?  
• How will the software technically work? Are there particular algorithms or libraries that are  
important?  
• What will be the overall design? Which classes are needed? What design patterns are used to  
model the concepts and relationships?  
• What third-party software is needed to build the software or feature?

Broader Context• What are limitations of the current design?  
• What are possible extensions to think about for the future?  
• Any other considerations?