

**TAB2XML**

Design Document

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Winter 2022

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# **Visualization of MusicXML**

Based on the instrument specified in the input tablature, three different objects are created: guitar, drum, and Bass. In the following section we look at different diagrams related to creation and relationships of these classes.

### Instrument: Guitar

If the instrument of the tablature is a guitar, then a guitar class is instantiated.

#### Sequence diagram

Diagram

Description automatically generated with medium confidence

Figure1. Sequence diagram of displaying guitar tablature.

#### UML Class diagram

Graphical user interface, application

Description automatically generated

Figure 2. Class diagram of the Guitar class and it interactions.

### Instrument: Drum



### Instrument: Bass

# **Playing the tablature**

### Instrument: Guitar

2.1.1 UML class diagram

Graphical user interface, application

Description automatically generated

### Instrument: Drum

2.2.1 UML class diagram

Graphical user interface, application

Description automatically generated

2.1-2.2 Activity diagramA screenshot of a computer screen

Description automatically generated with low confidence

### Instrument: Bass

# **Printing the Music sheet**

Printer Sequence Diagram

A picture containing diagram

Description automatically generated

Printer Activity Diagram

Diagram

Description automatically generated

# **Go to measure**

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