

TAB TO MUSICXML CONVERTER AND PLAYER

User Manual

EECS 2311 -- Group 8



ATTRIBUTION

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PURPOSE

This document will describe major use cases for the MusicXML converter application and includes a step-by-step guide on how to install the system from Github onto a client's site (including visual representation).

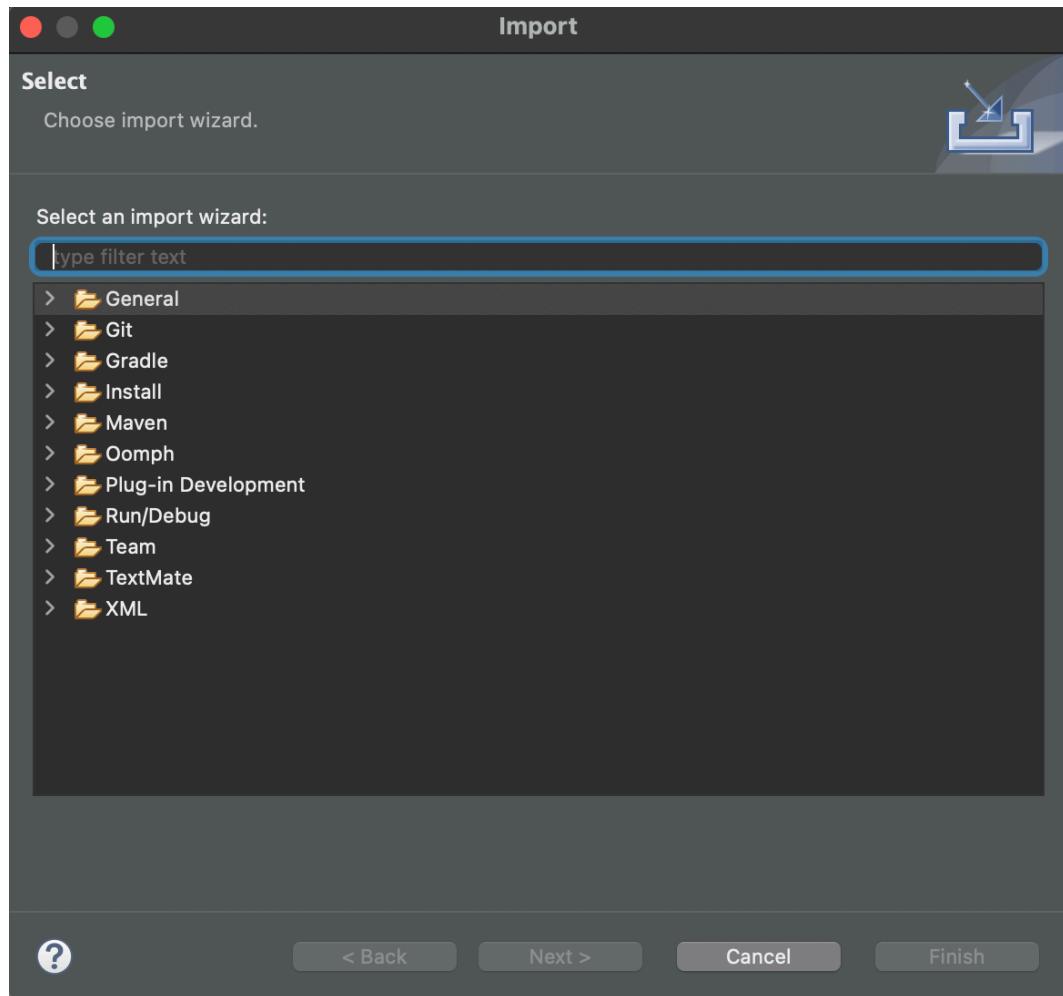
INTRODUCTION

This section of the MusicXML converter application converts MusicXML to sheet music and allows the user to play it.

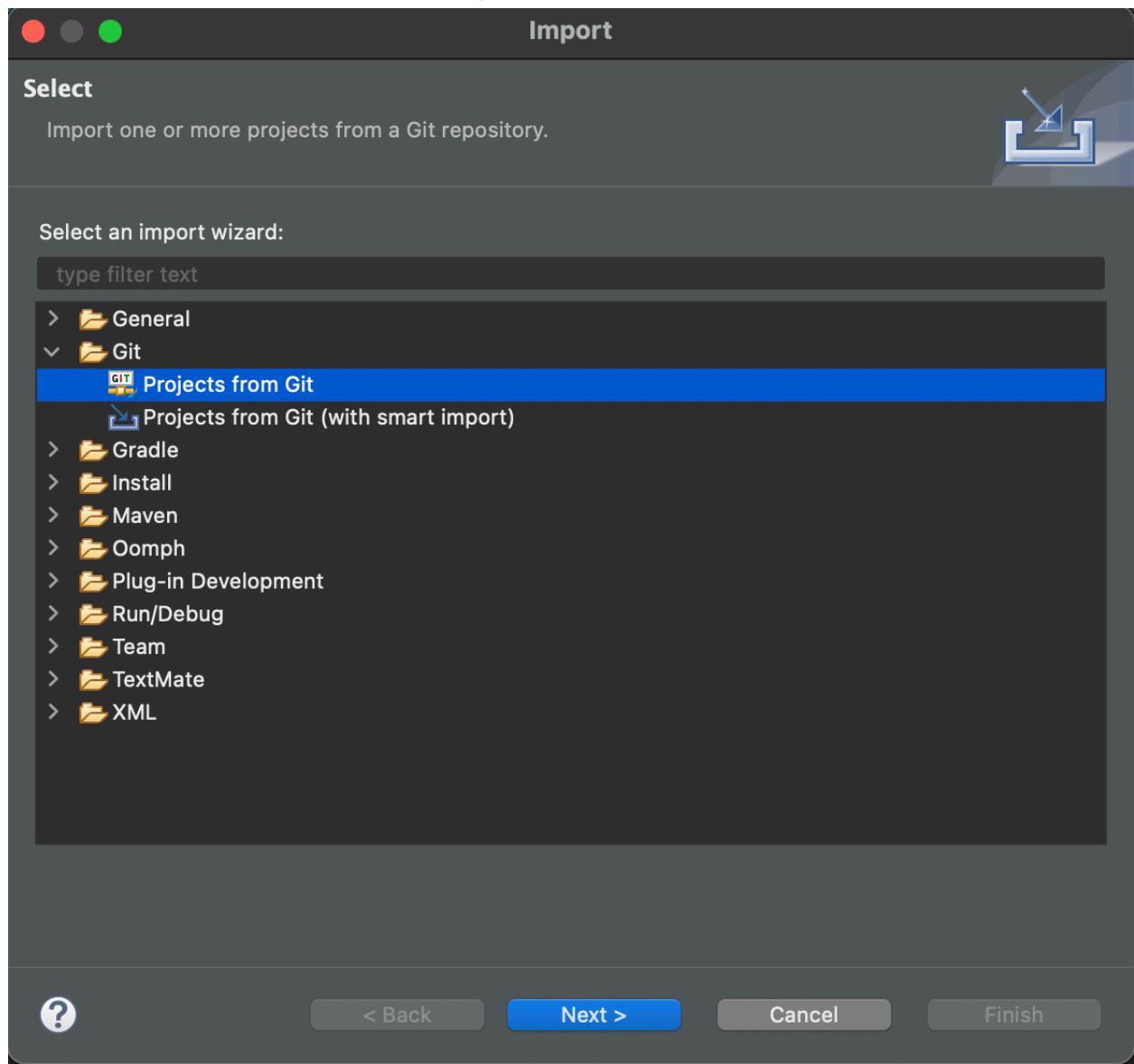
This guide is specific to the Eclipse IDE.

INSTALLATION

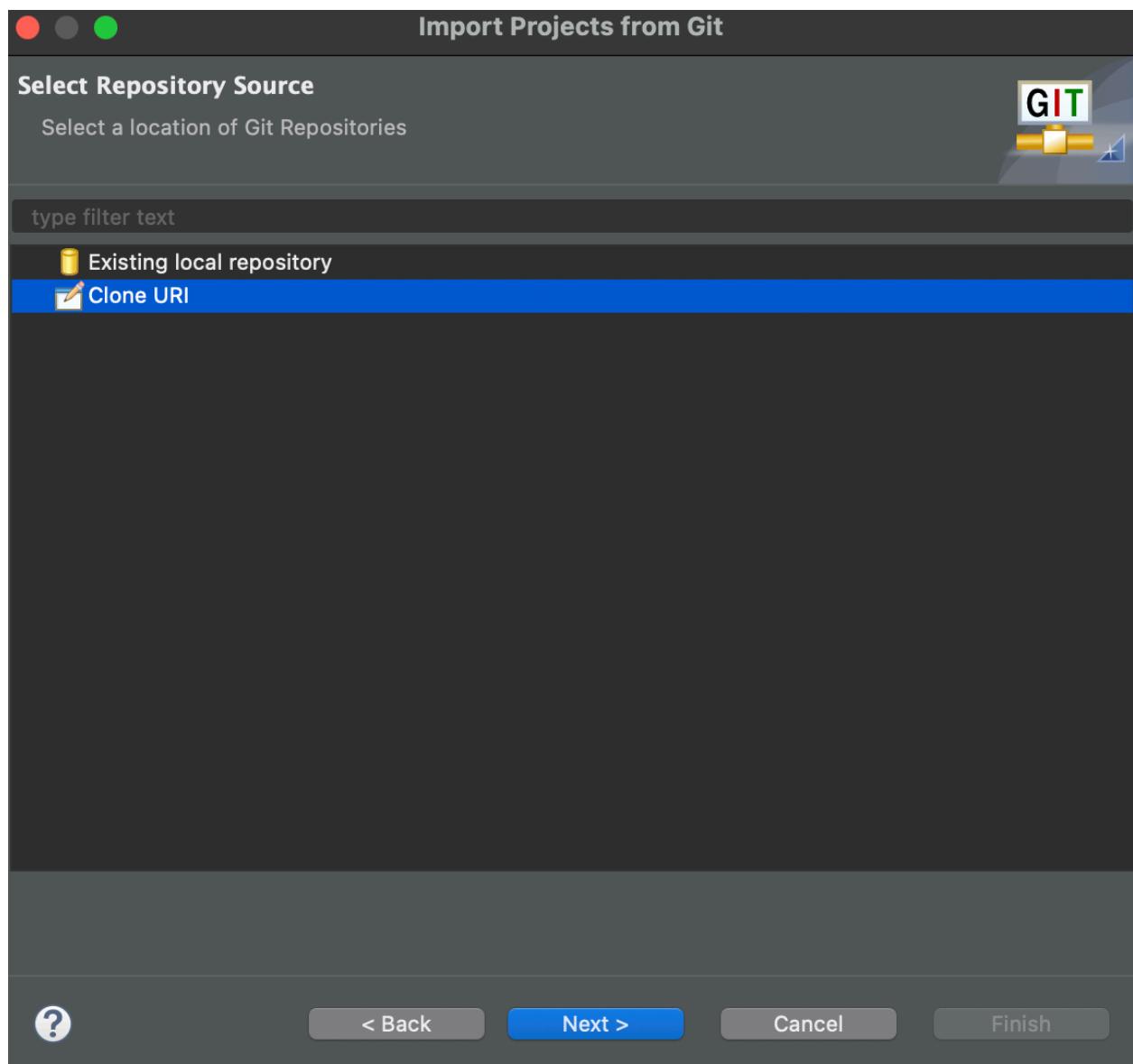
1. Open Eclipse and select “import project”



2. In the window select “Git” -> “Projects from Git”. Then click “Next”

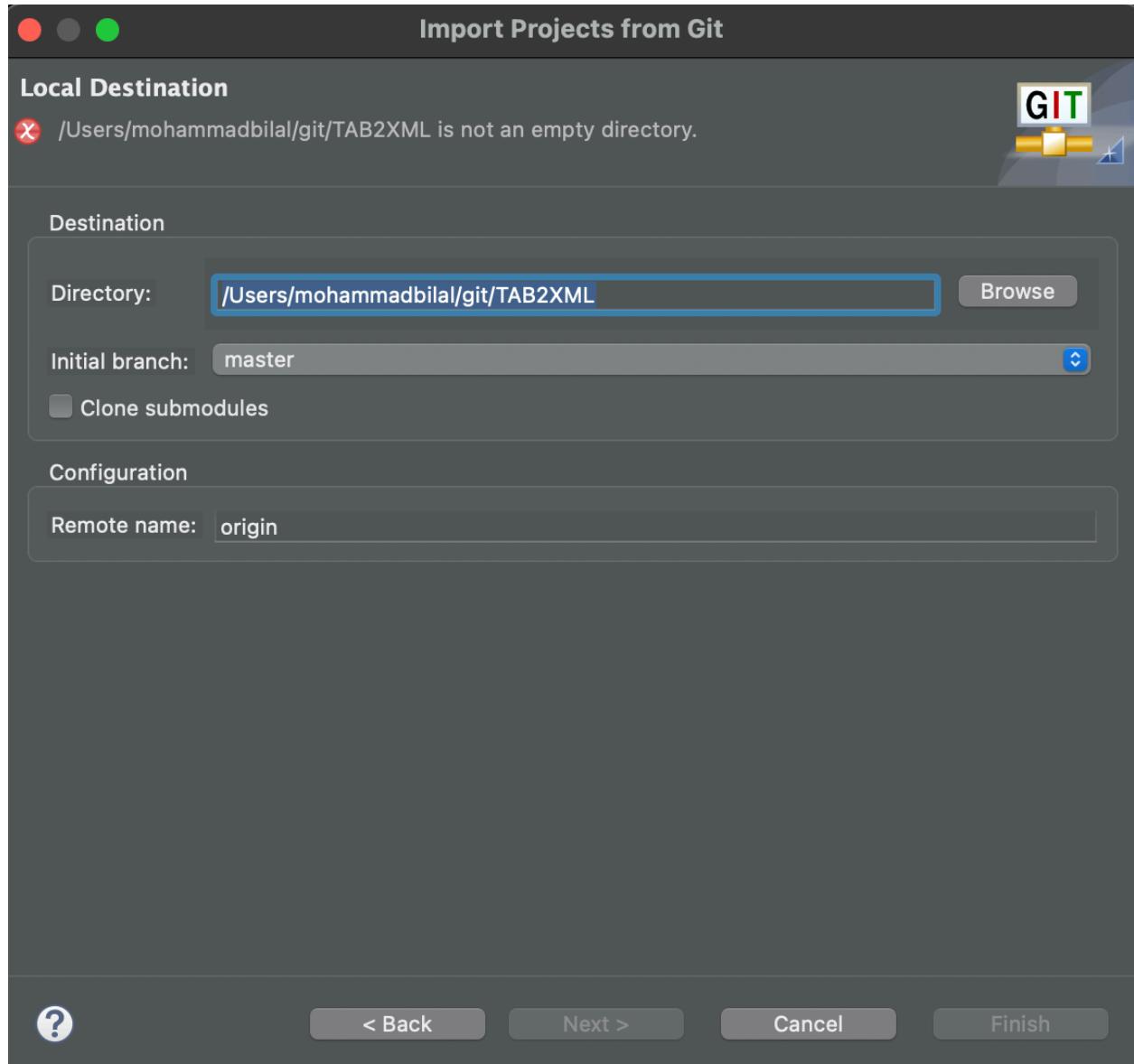


3. Click “Clone URL” and then “next”

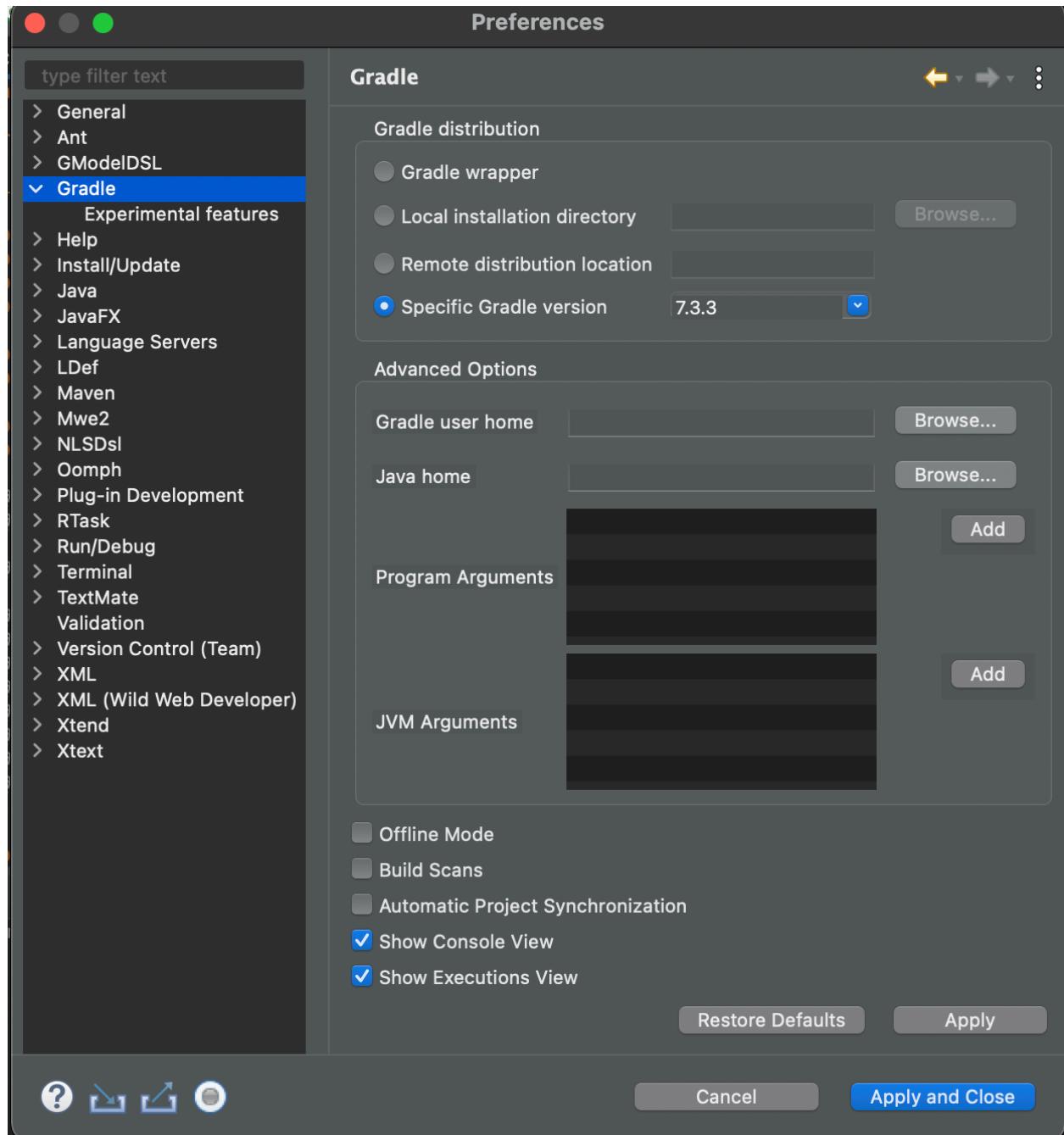


4. In the URI box, enter <https://github.com/partsharma99/TAB2XML>

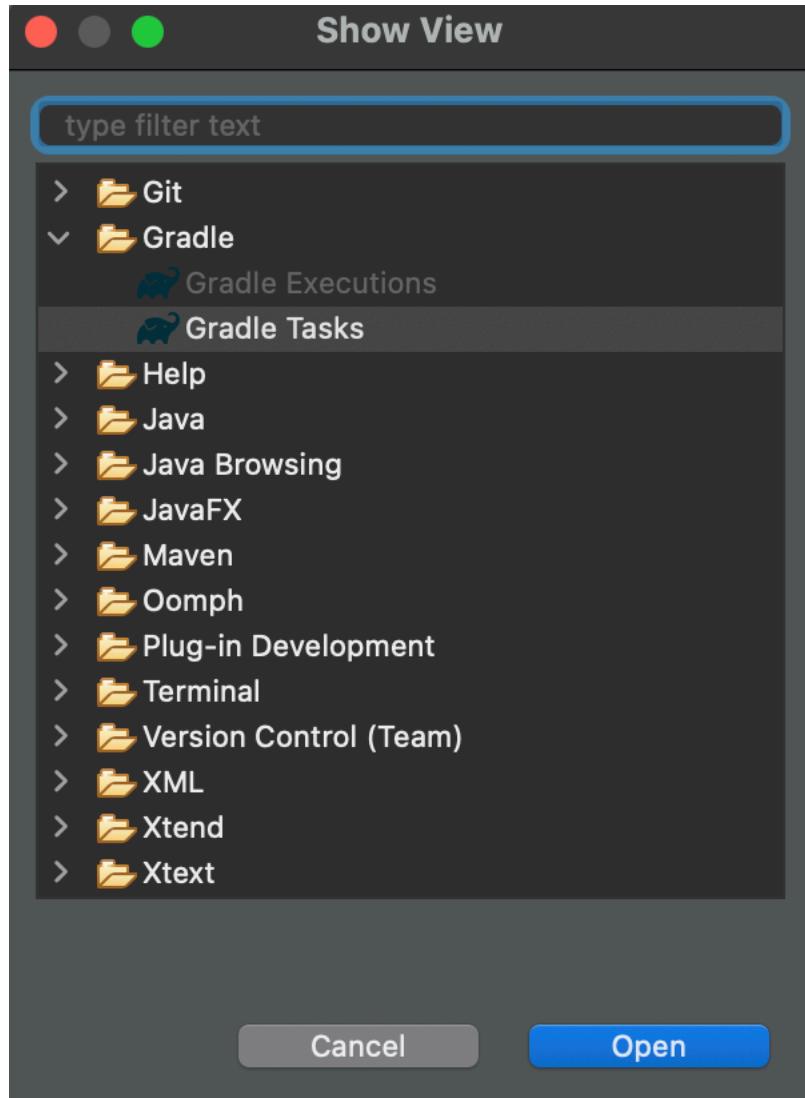
5. Click “Browse” and choose the location you want to store the program at and click “next”



6. Click “Eclipse” in the top left corner, then “preferences” -> “Gradle” and set the “Specific Gradle version” to “7.3.3”



7. Display the Gradle Task Window -> Show View -> “Other” -> “Gradle” -> “Gradle Tasks” and click “Open”

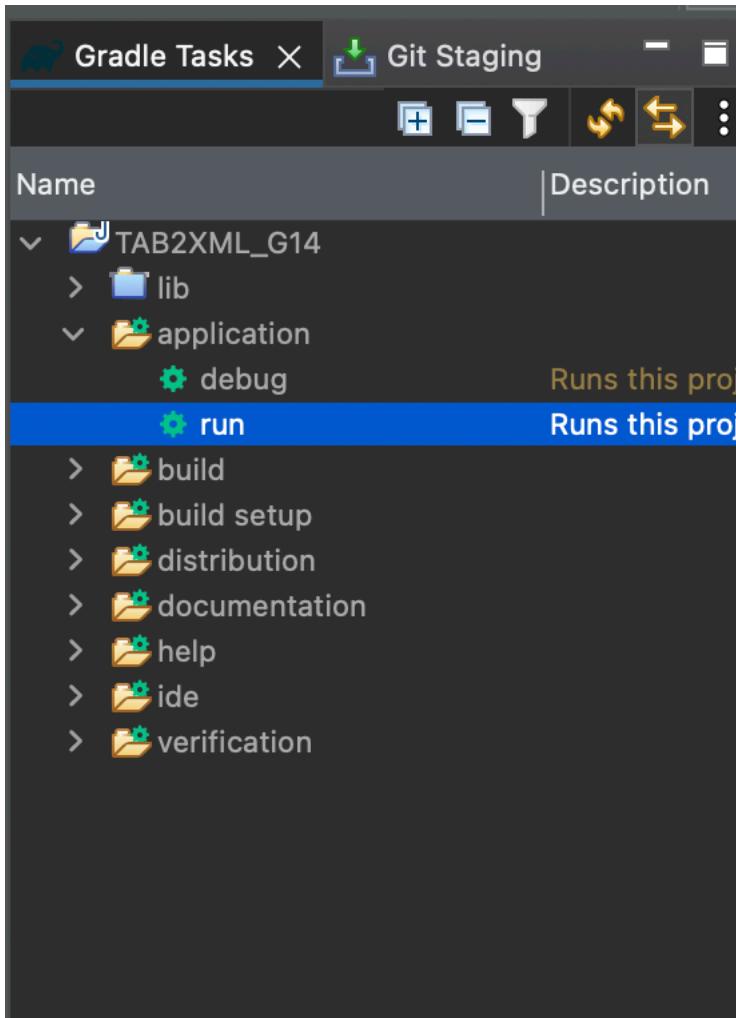


USE CASES

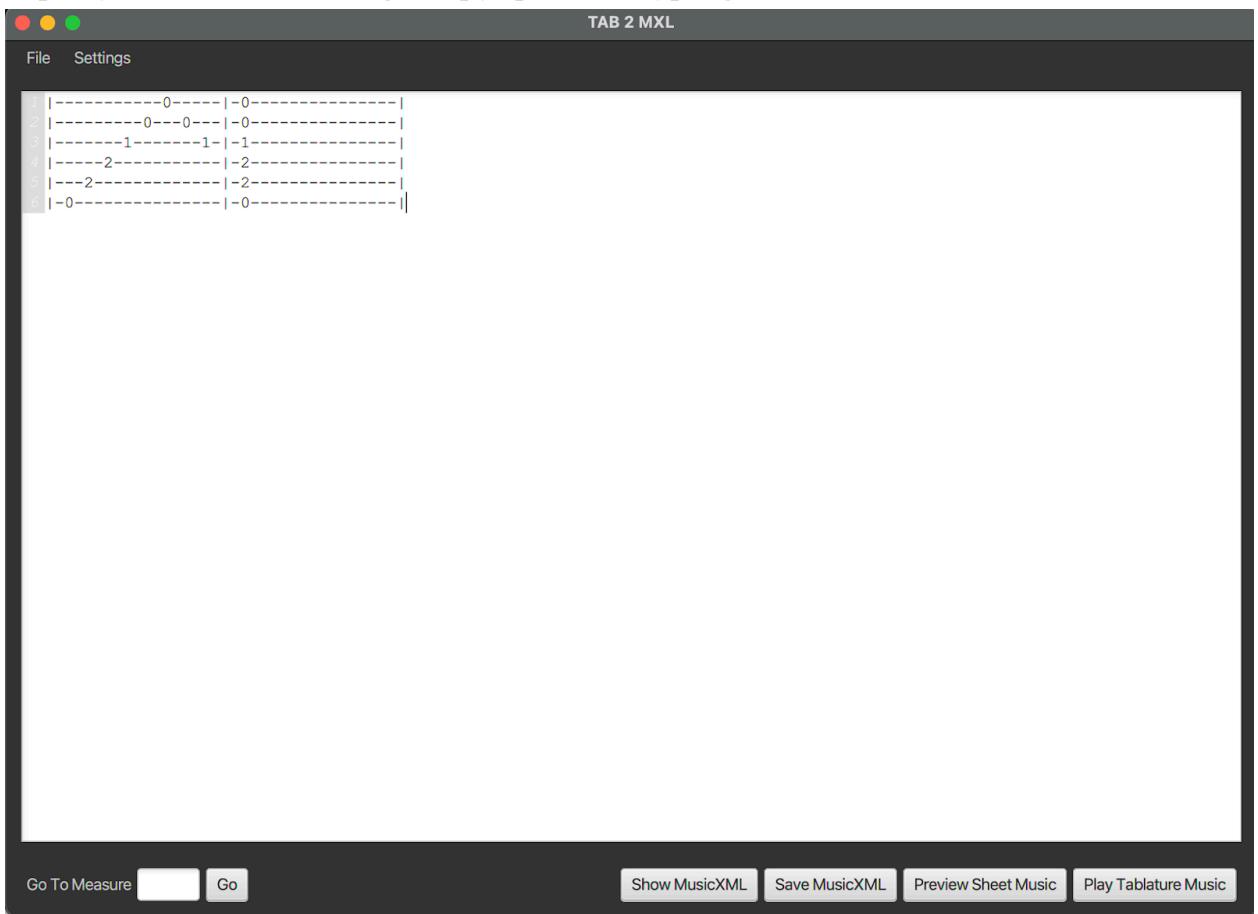
1

Display sheet music

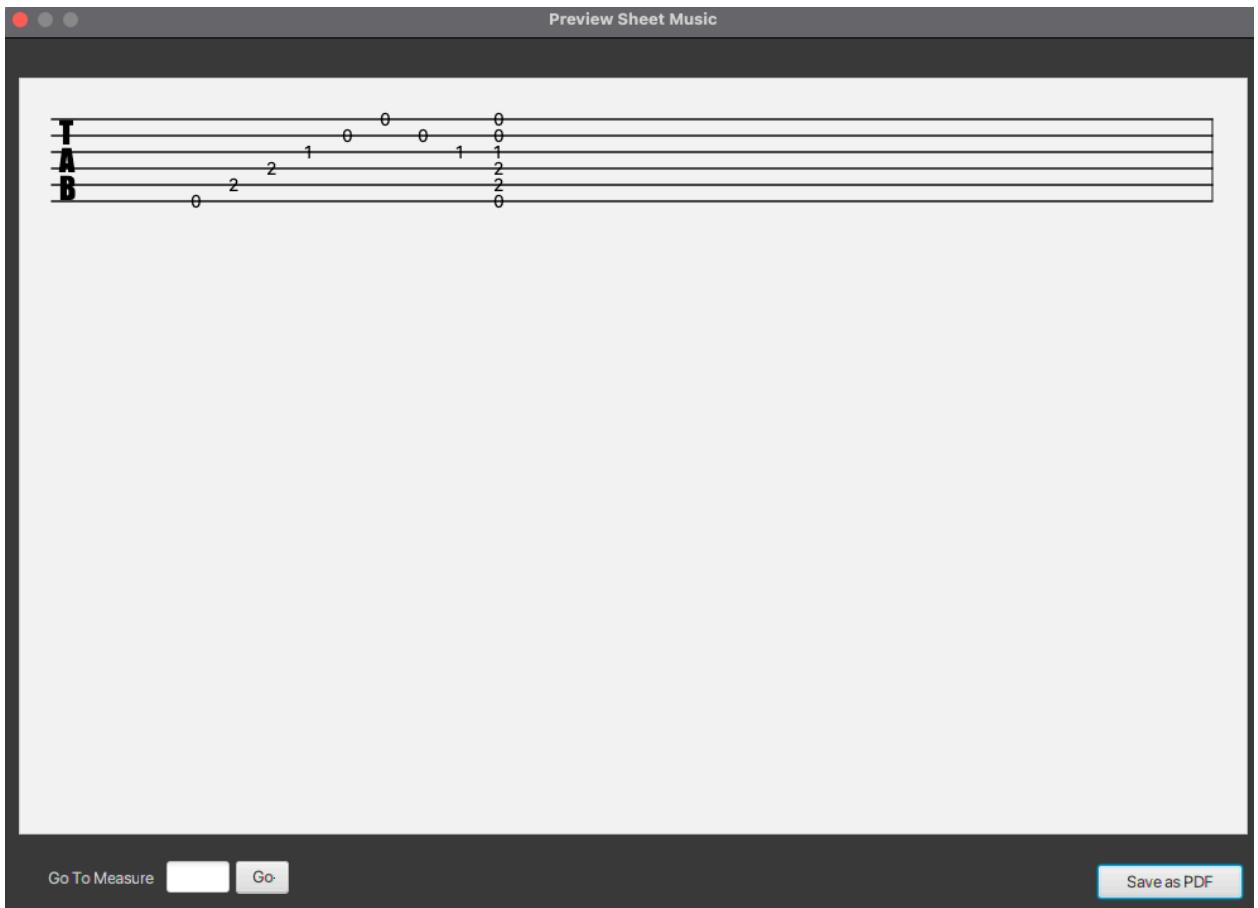
- Under Gradle Task, select “TAB2XML_G14”. Then select “application” then click “run”



2. Input your text tab through copy/paste or typing it



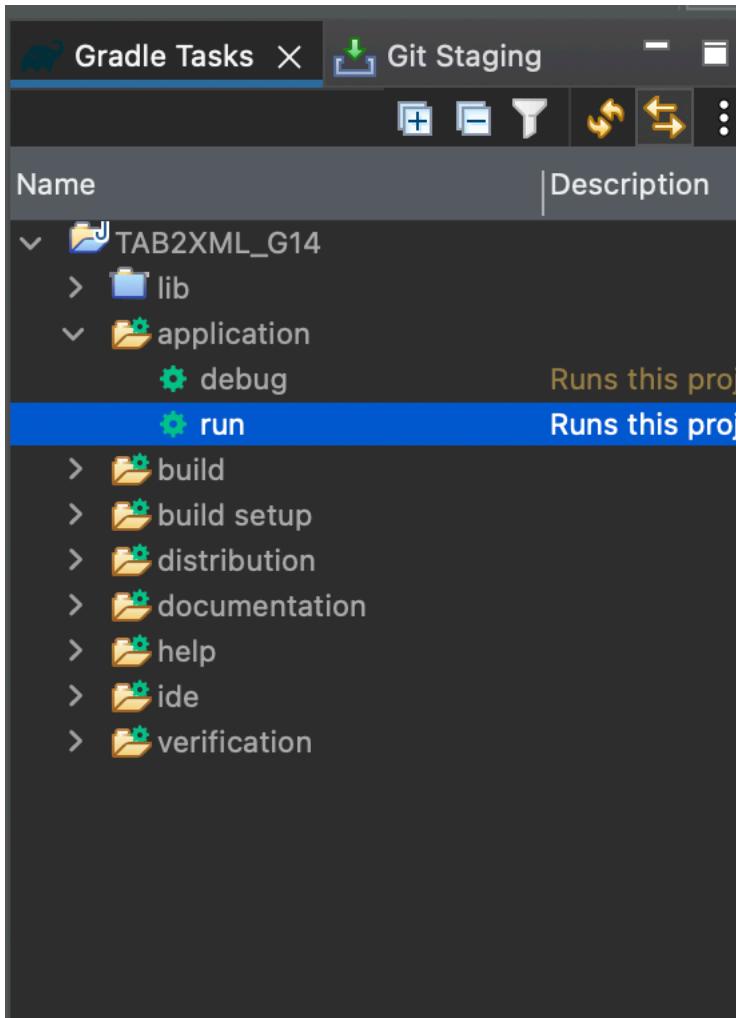
3. Click “Preview Sheet Music” button and a new window will open with the sheet music



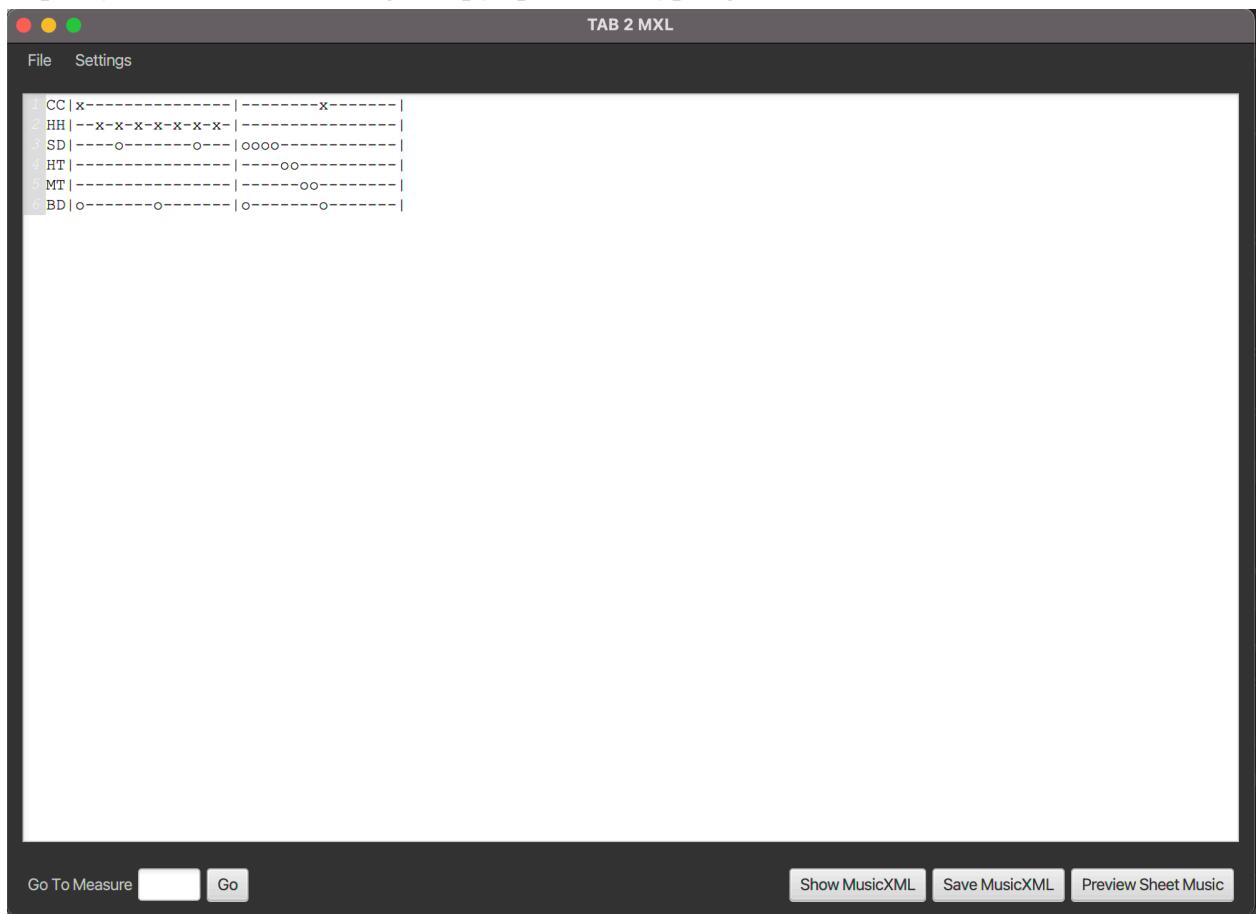
2

Play music

- Under Gradle Task, select “TAB2XML_G14”. Then select “application” then click “run”



2. Input your text tab through copy/paste or typing it



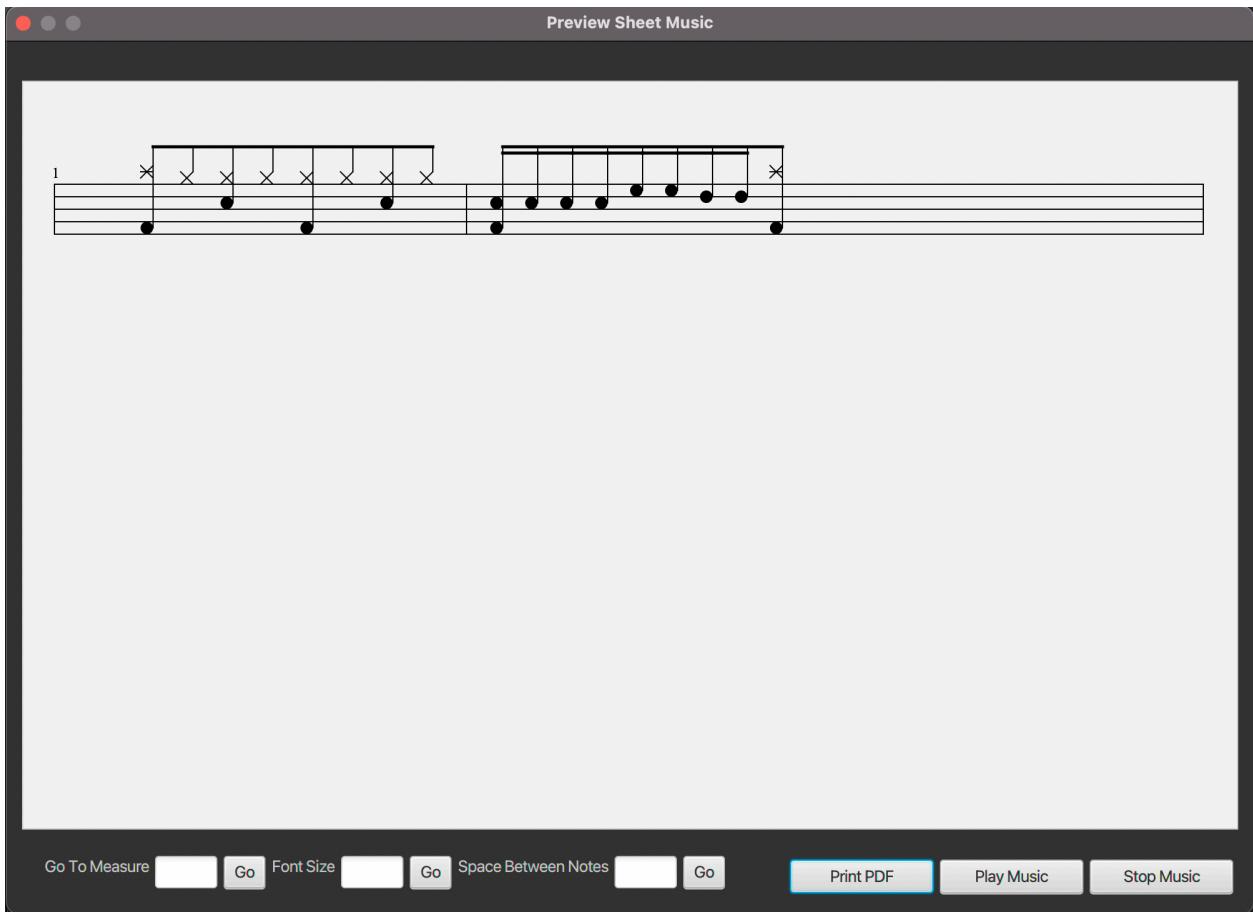
3. Click the “Play Tablature Music” button on the bottom right and make sure your volume is high to hear the music. For this, however, the app can only play the music on a note-by-note basis, and playing of chords will be implemented in future versions.

3

Save sheet music

1. Run the application and insert your tablature as described in previous sections

2. Click “Preview Sheet Music” button and a new window will open with the sheet music



3. Click the “Save as PDF” button at the bottom right of the pop-up window to save the sheet music as a PDF to your device (this feature will be implemented at a later time).

4

Go to measure

1. Run the application and insert your tablature as described in previous sections
2. On the bottom left of the window enter the measure number in the text box beside “Go To Measure”
3. Click the “Go” button to navigate to the bar that corresponds to the imputed measure

Before:

Preview Sheet Music

After gotomeasure:

Preview Sheet Music

31

33

35

37

39

41

Go To Measure 33 Go Font Size Space Between Notes Go Print PDF Play Music Stop Music

5

Increase Font

1. Run the application and insert your tablature as described in previous sections
2. Enter the desired font size in the given text field
3. Press "Go", and the font size will change to the desired size

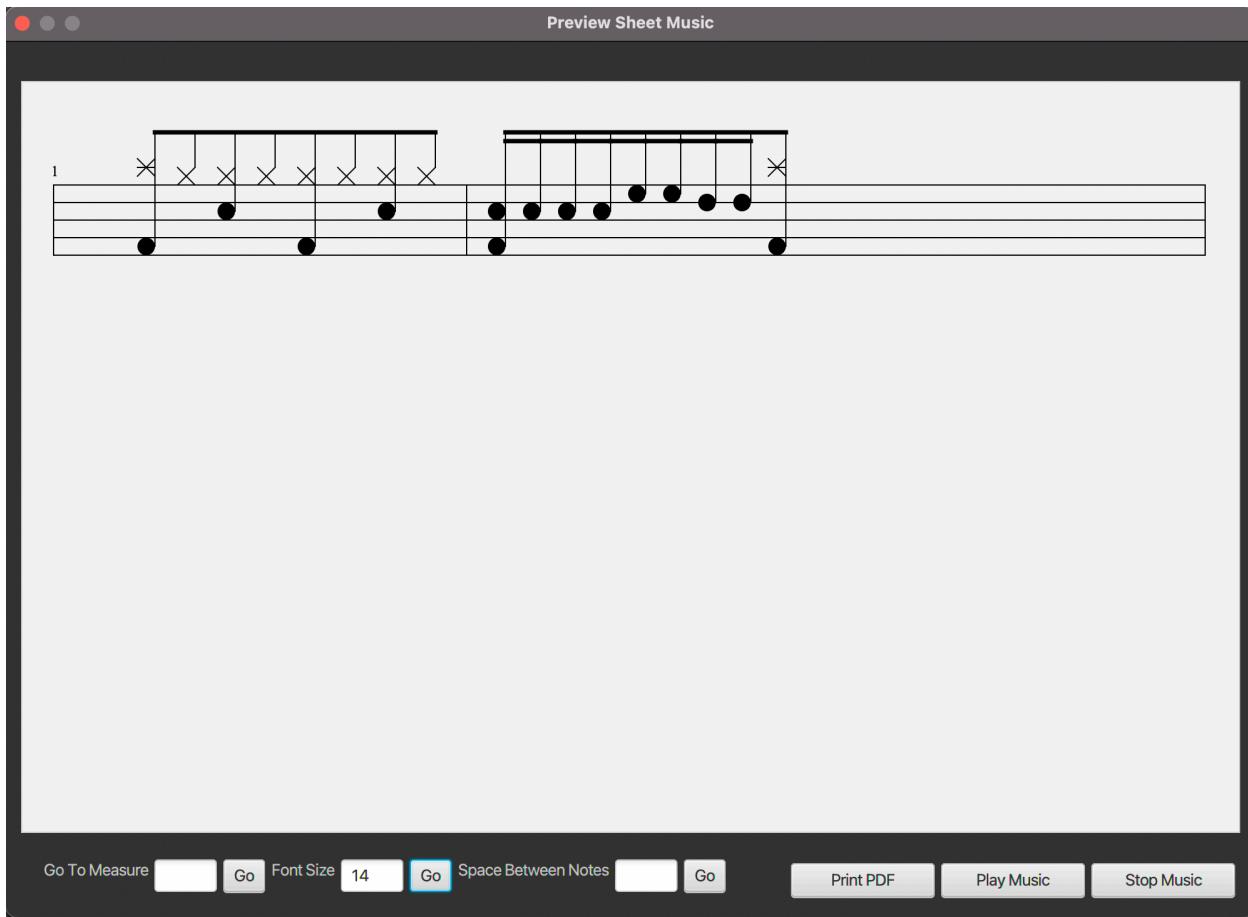
Before photo:

Preview Sheet Music

1

Go To Measure Go Font Size Go Space Between Notes Go Print PDF Play Music Stop Music

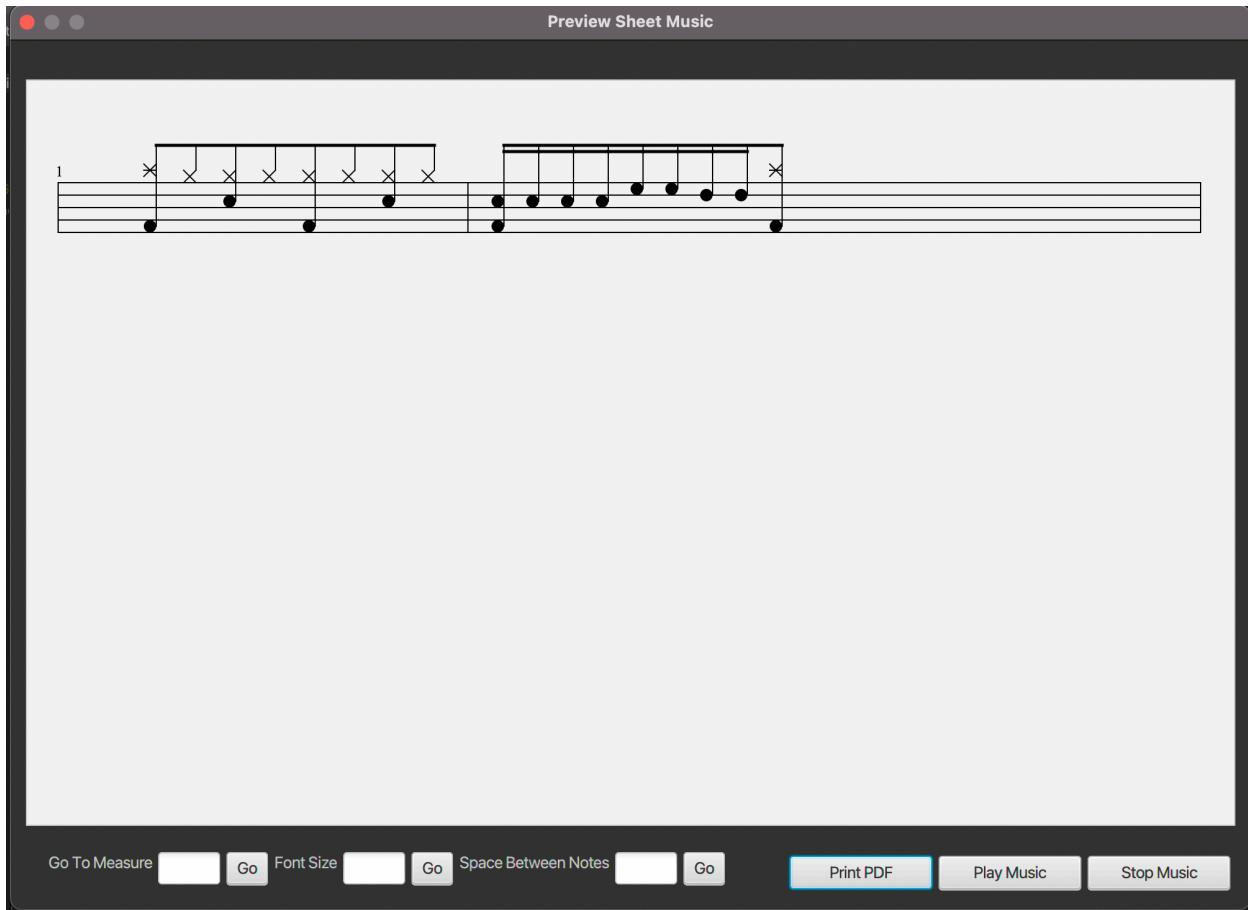
After font size changed photo:



6

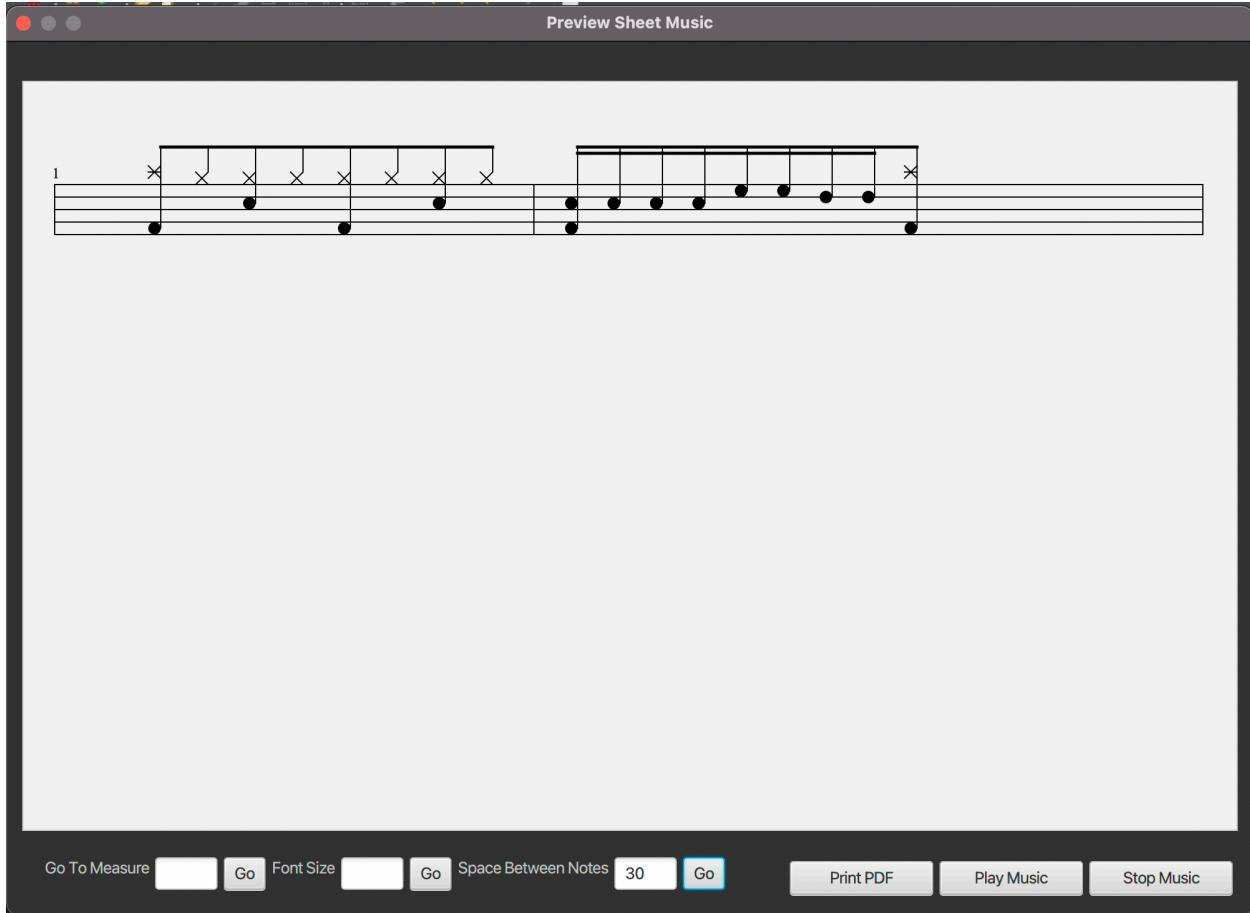
Increase Space Between Notes

1. Run the application and insert your tablature as described in previous sections
2. Enter the desired space between notes into the given text field (The value must be between 0 and 45 if it's a drum tab. And in case of a Guitar/Bass tab, the value must be between 0 and 29)
3. Press "Go", and space between the notes shall change to the desired space



Before photo:

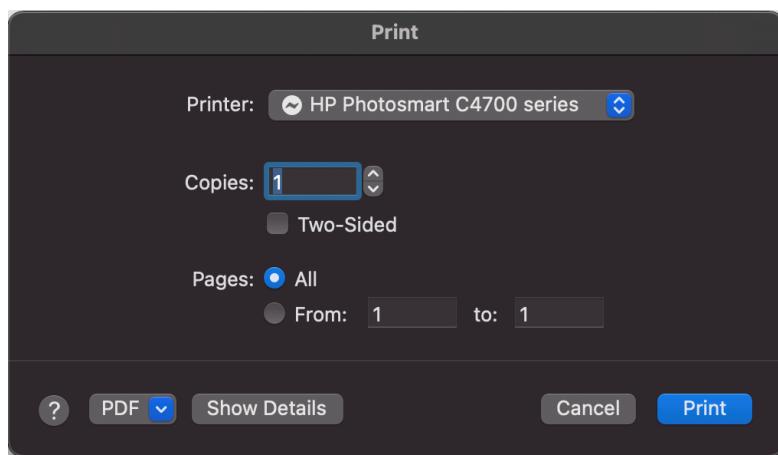
After space changed photo:



7

Print to PDF

1. Run the application and insert your tablature as described in previous sections
2. Click Preview Sheet Music
3. Click and enter



Print PDF
parameters

