

User Manual

TAB2MXL: Text File to MusicXML File Converter

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1.0 General Information

1.1 Product Name

TAB2MXL, the name of the product, is a conversion software application designed to convert a text file to a MusicXML file.

1.2 Product Scope and Purpose

The purpose of the product is to allow users to convert their text file to a MusicXML file. The scope of the product is limited to text files that use these instruments: guitar, bass and drums.

The user will select a text file from their device and the output would be the MusicXML file that is converted from the input text file. Input files will contain music tablatures that will be written in musical notation such as instrument fingering and so on. It is then translated to the output file known as the MusicXML file that is used for western musical notation.

1.3 Designated Use

The intended use of this software system is for mainly musicians and anyone who wishes to translate their text file to a downloadable MusicXML file that could be played with various other softwares.

2.0 Installation Description

TAB2XML is completely written in JAVA. It will support the following three systems:

- Windows
- Linux
- MAC OS X

2.1 Installation of JAVA 11

Please note that your computer must have the most Java installation. The link is provided on further steps needed to download Java successful:

https://www.java.com/en/download/help/download_options.html

2.2 Running the Program

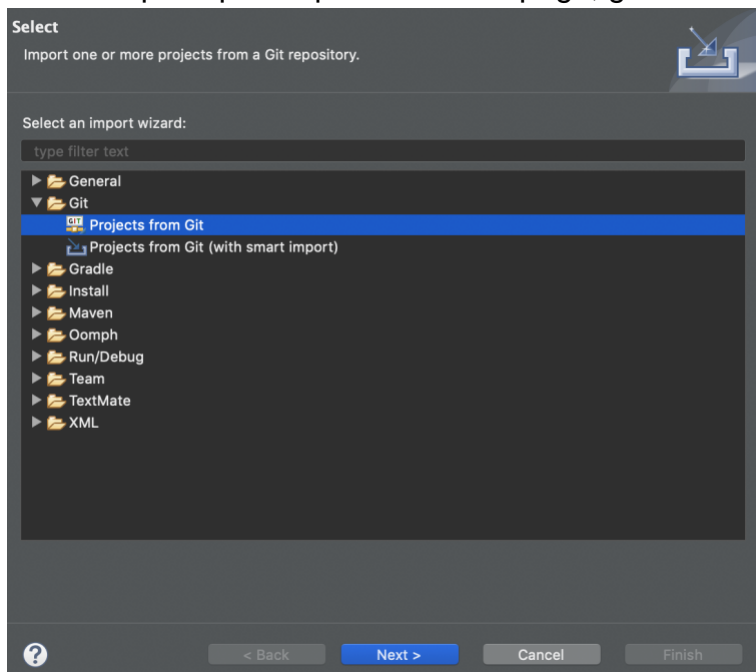
To run the program you would need to download the zip file directly to your desktop. The link to download the program:

<https://github.com/Vishwa061/2311-Group-12/releases/tag/1.0>

In order to run our software application, you must download the latest version of eclipse, the link is below:

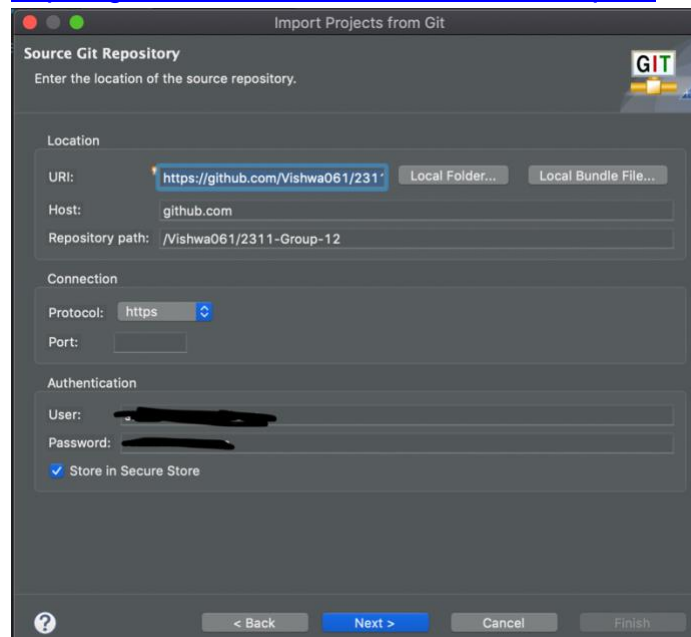
<https://www.eclipse.org/downloads/>

1. Once the download is complete please install the Eclipse IDE for java developers. Once this is done create a folder on the desktop and open eclipse. It will prompt you to browse and choose your workspace. Please browse for the folder you have made.
2. Once eclipse opens up to the home page, go to file then import.



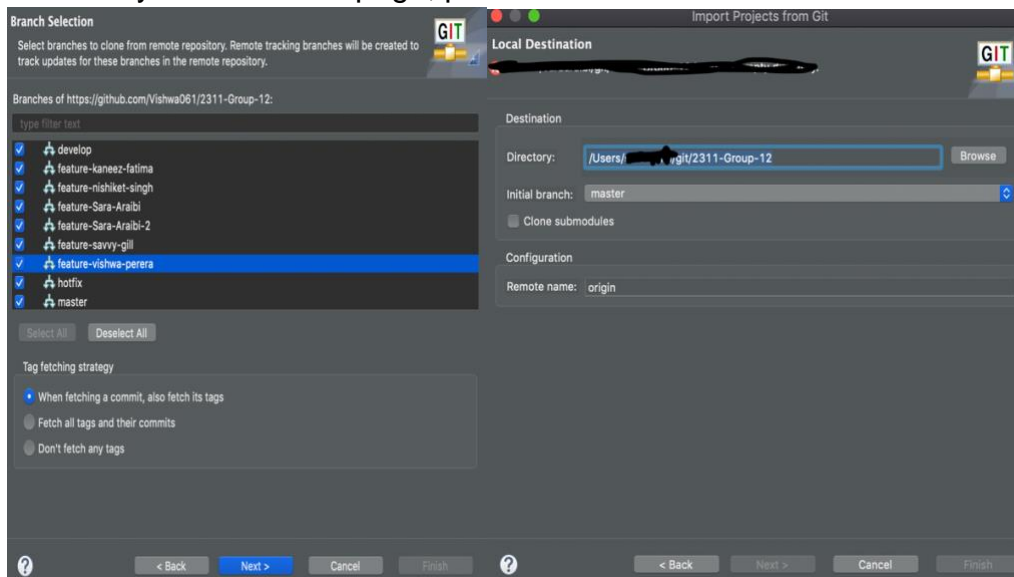
Click on Projects from Git and then next.

3. Click clone URI and at the location where it says URL, please put the github link:
<https://github.com/Vishwa061/2311-Group-12>

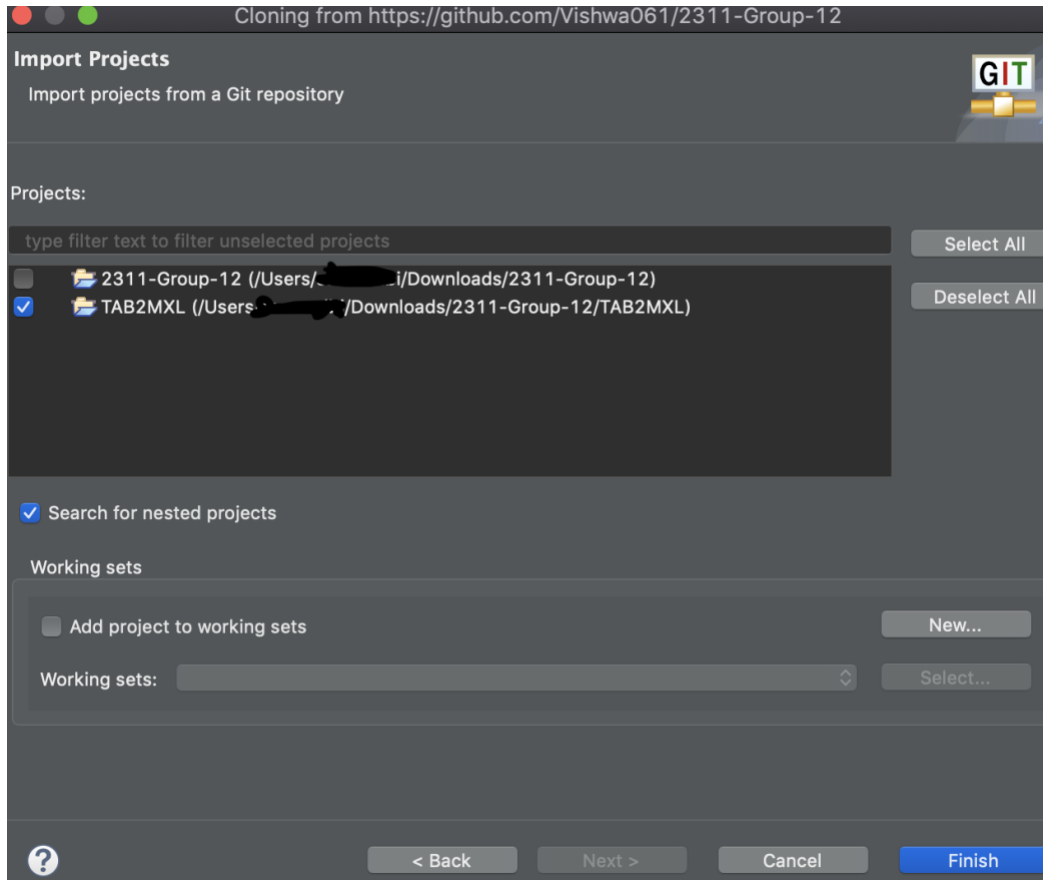


The click next.

4. Once you are on this page, please click next as well as the local destination.

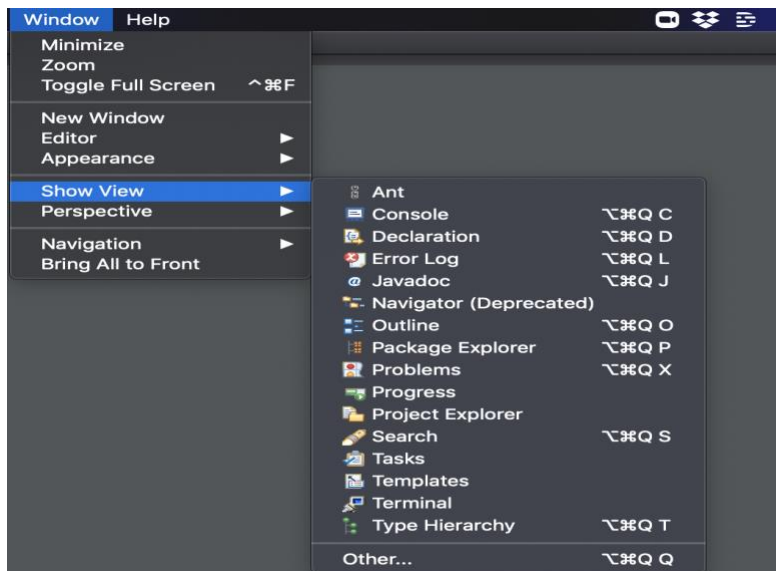


5. Select the Tab2MXL project and then click finish

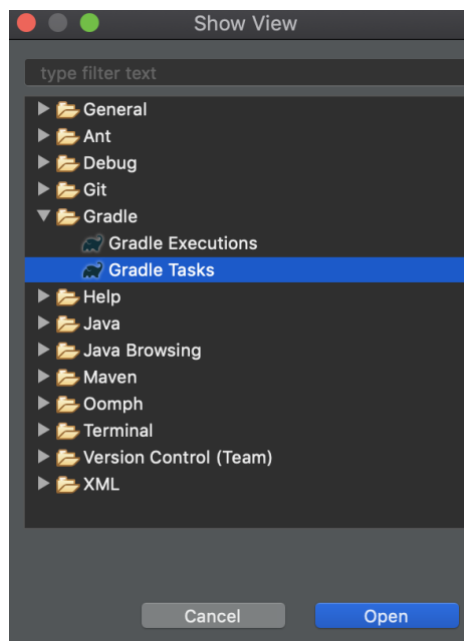


The file should now be imported and ready to run

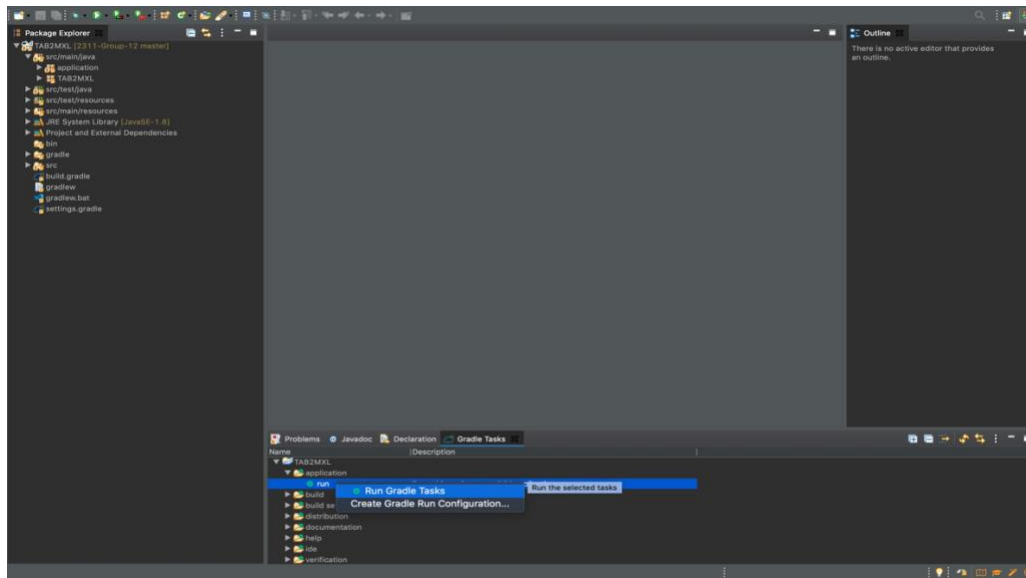
6. Go to window, show view and the other. A window should pop up.



7. Click on Gradle then Gradle task.



8. Click on the project in the gradle task window as shown below. Use the drop down to open the application and the right click on run and click on run gradle task. Another window should pop up with the application.



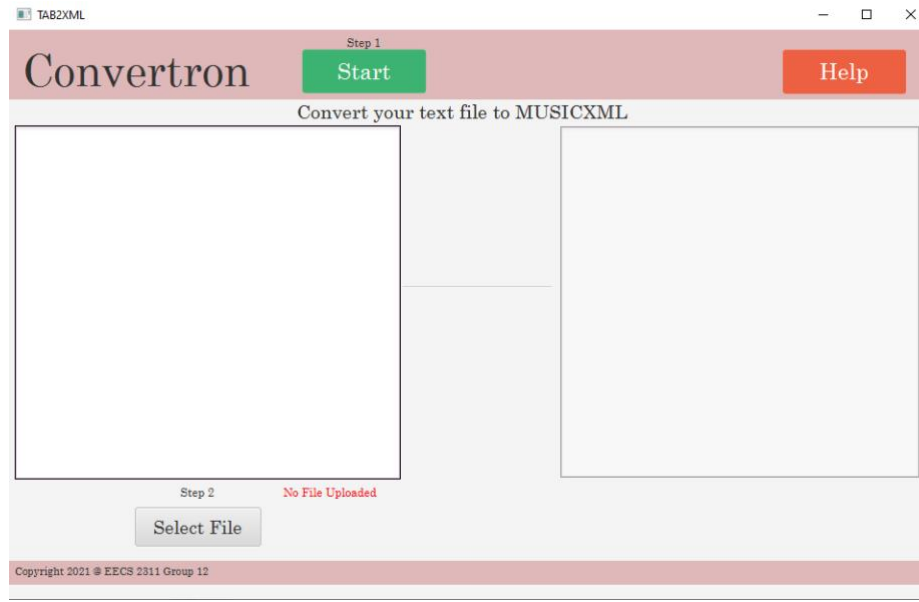
3.0 System Application (User Interface)

3.1 How Start The Program

Click the green start button. It is pointed with a red arrow below. Please note at this stage all functions are disabled. Only the help button will work.



Once the start button is clicked, the screen will be indicated like so below:

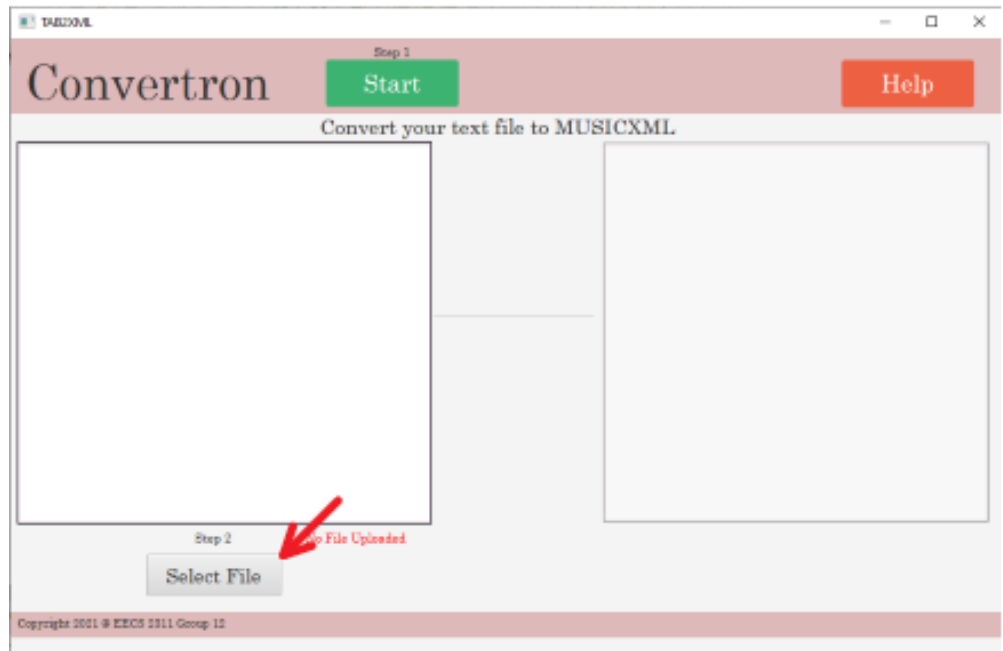


3.2 Selecting the File

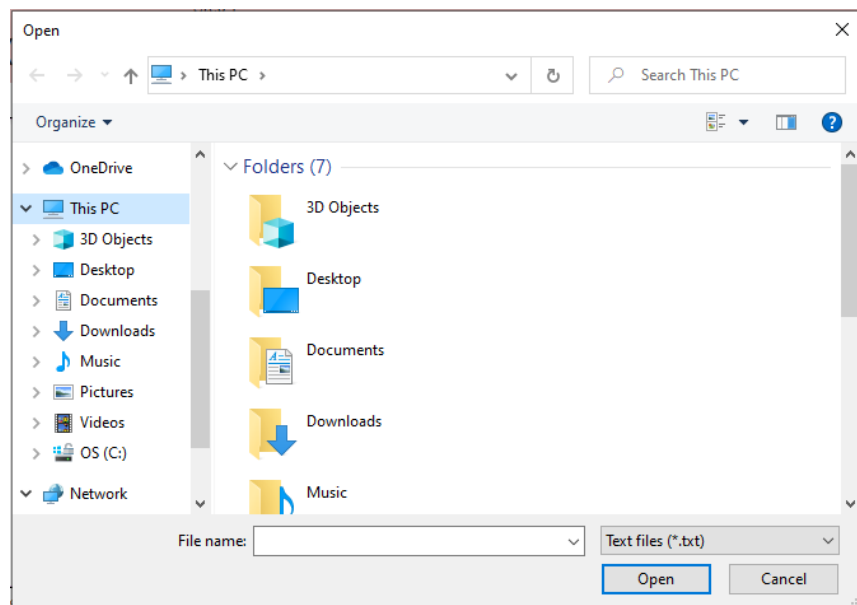
The user can select the file in two ways. Please note only text files can be selected to placed into

Method 1: Using the Select Button

The user will click the select button. A screenshot of where the select button is below.

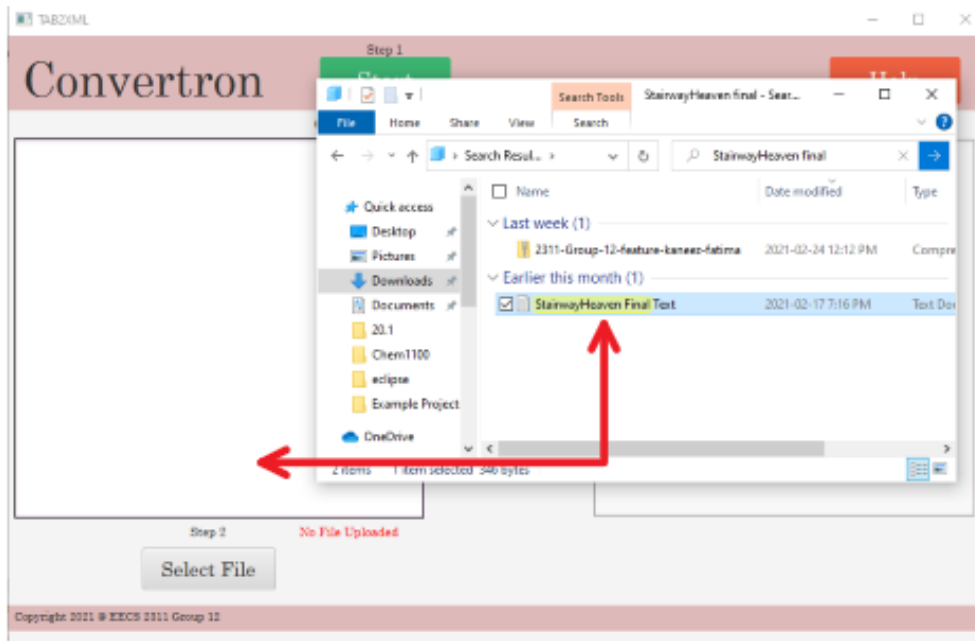


Next a window will pop up. The user can select the file from the directory their text file is situated in.

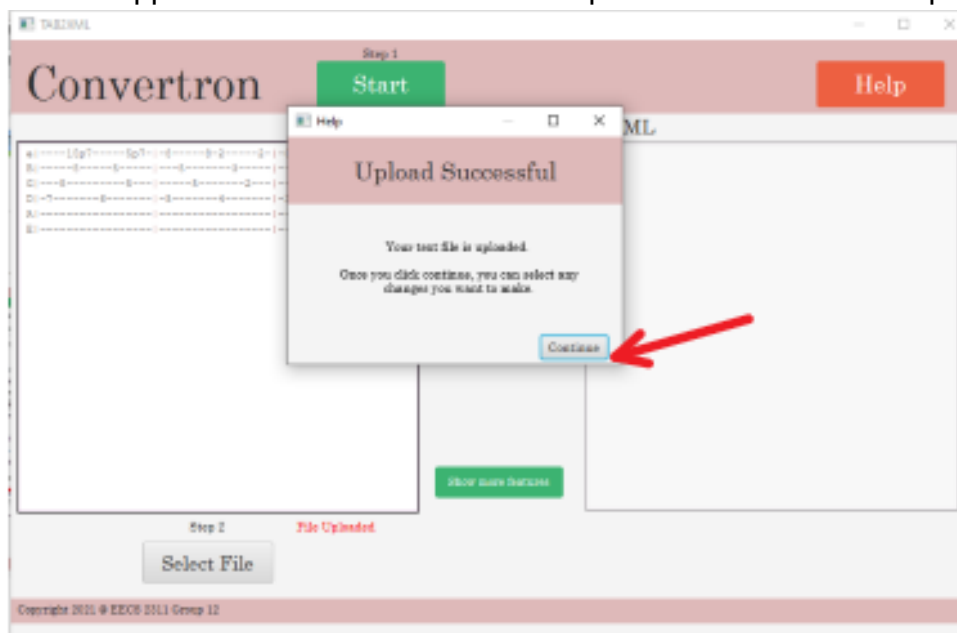


Method 2: Drag and Drop Text File

Another way the user can select their file is to drag and drop their file into the input box. You can select your file from the directory that is already opened on your desktop and be able to drag and drop into the input box.



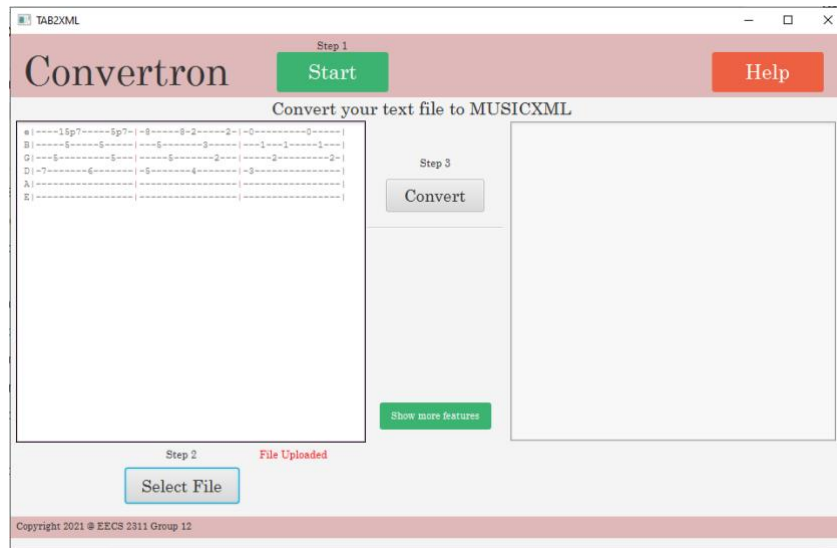
After the selection of the file, and if successful, the text file uploads the input box and a popup window appears to show the successful upload. Click continue to proceed.



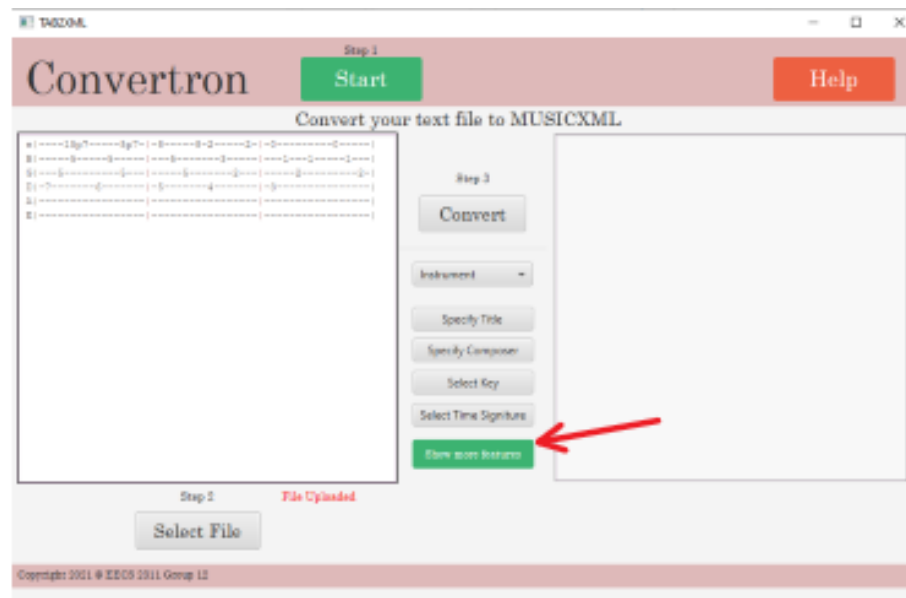
At the last release, the input box does not take user changes yet. This will be implemented in the next phase.

3.2 Convert From Text-Tab to MusicXML And Other Features

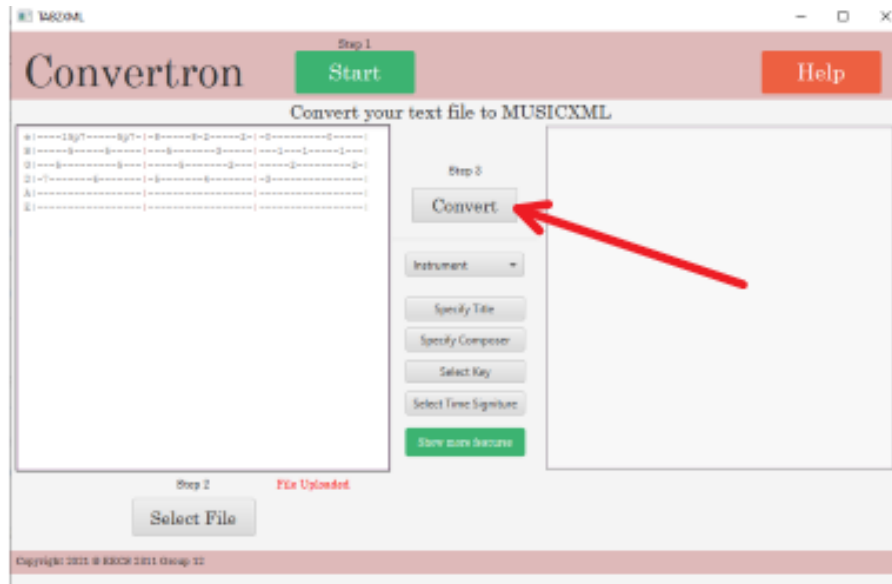
Once the pop-up has closed the following screen is shown:



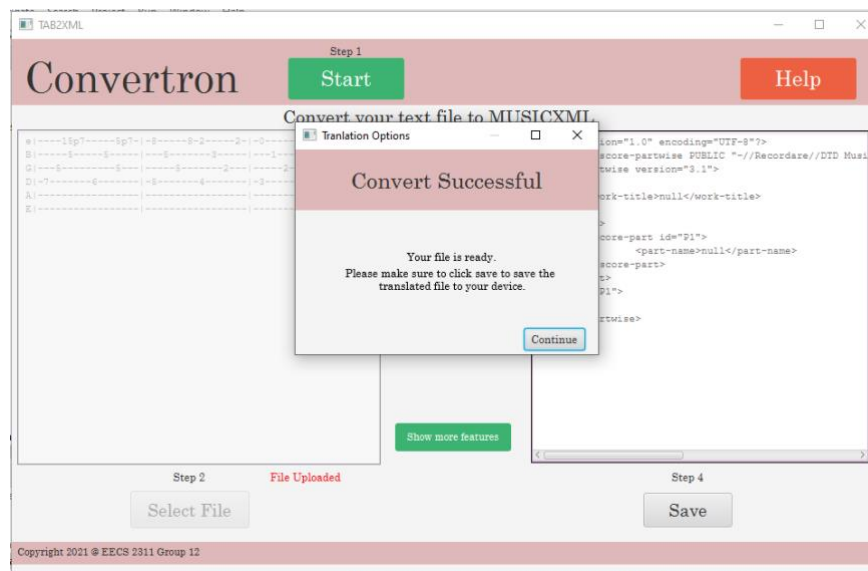
At this release, if the “show more features” button is clicked, the user can see the options they have to include in the MusicXML file. However at this time, the user cannot input any changes to the translated file. They can only view the options that include: selection of instrument, specify title, specify key, choose key and choose a time signature. The features buttons are shown below after clicking the button indicated with the red arrow.



Click the convert button to translate your input file.

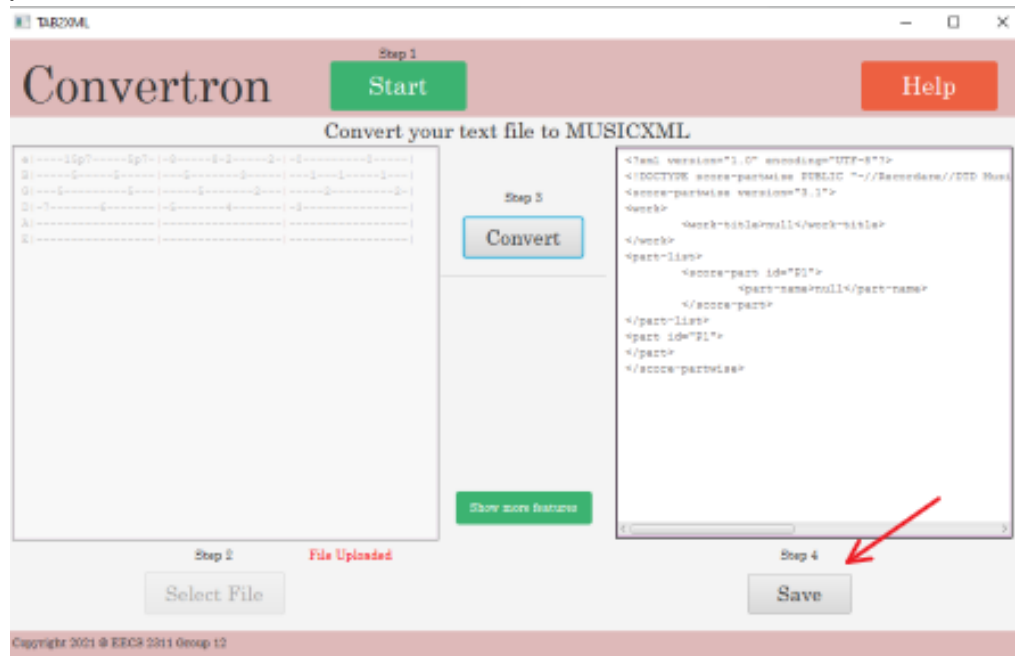


Once the convert is successful, a popup window will verify the success. Please click continue to advance to downloading the file. At this point, the select option will disappear and changes to input will disappear.



3.3 Saving the Converted File (MusicXML)

Click the save button then name the file and select a location to save to on your desktop.



After the save is successful, you can click the start button to start over.

4.0 System Operation

4.1 Technical Specification

The software system will only accept text files that are tablatures that include instruments such as drum, bass, and guitar. Any other type of files will not be accepted and will not be translated.

4.2 Troubleshooting

If having any problems with opening the software application, close the application and try running the application again. If this does not work, close the eclipse and try reopening it.

4.2.1 Troubleshooting text file

When uploading a file and if it gives an error where the software cannot read the input file. The problem most likely would be you are not uploading the correct file for the

software to read and work. Please make sure that you have uploaded a file that is a music tablature containing the instrument of drum, bass and guitar.

5.0 Glossary

Eclipse - Software that is used in aid of the completion of the codes written used in computer programming.

Java - The programming language used to create the software.

MusicXML - The output file that will be translated from the input file in the software system.

Tablature - A configuration of musical notation.

TAB2MXL - A software system that will translate an input instrumental text file to an MusicXML file.

6.0 Further Help and Contact Details

In this section you will find the contact information of the email of the software developers:

Sara Araibi :

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