



Allegro Tab Converter

DIVERSIFY MUSIC.

ALLEGRO TAB CONVERTER

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Table of Contents

INTRODUCTION	2
WHAT IS ALLEGRO TAB CONVERTER?	2
RECOMMENDED SYSTEM REQUIREMENTS	2
INSTRUCTIONS ON USING ATC.....	3
IMPORTING THE PROJECT	3
RUNNING THE APPLICATION AS A JAVA APPLICATION	7
RUNNING THE APPLICATION AS A GRADLE PROJECT	8
RUNNING THE APPLICATION MANUALLY IF THE ABOVE DO NOT WORK	11
GETTING STARTED WITH ALLEGRO TAB CONVERTER.....	12
THE APPLICATION	12
THE BROWSE FILE BUTTON	13
THE CONVERT BUTTON	15
THE SAVE FILE BUTTON	17
CONTACT INFORMATION	18

INTRODUCTION

WHAT IS ALLEGRO TAB CONVERTER?

The Allegro Tab Converter is a software that allows the user to input a .txt or a simple text containing a guitar, bass, or drum tablature for a song and produces a .musicxml file. This file can be used for sharing sheet music files between applications, and for archiving sheet music files for use in the future. You can count on MusicXML files being readable and usable by a wide range of music notation applications, now and in the future. MusicXML complements the native file formats used by Finale and other programs, which are designed for rapid, interactive use. Just as MP3 files have become synonymous with sharing recorded music, MusicXML files have become the standard for sharing interactive sheet music. With MusicXML you can create music in one program and share your results – back and forth – with people using other programs. Currently, it is only accessible via desktop computers.

RECOMMENDED SYSTEM REQUIREMENTS

1. Windows

- *Java SE-13 or higher*
- *Windows Vista or higher*

2. MAC OS X

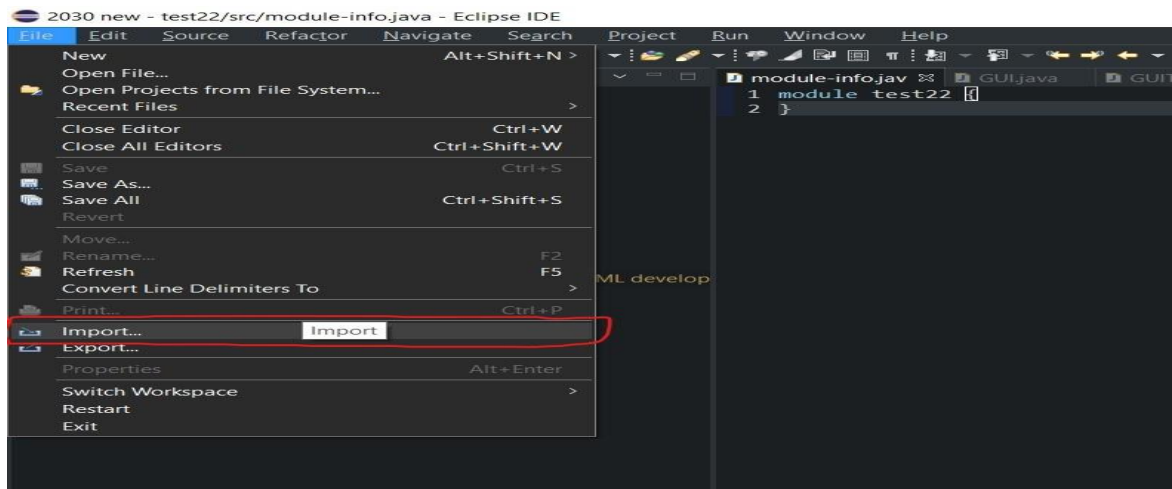
- *Intel-based Mac running Mac OS X 10.8.3+, 10.9+*
- *Administrator privileges for installation*
- *64 bit-browser*

INSTRUCTIONS ON USING ATC

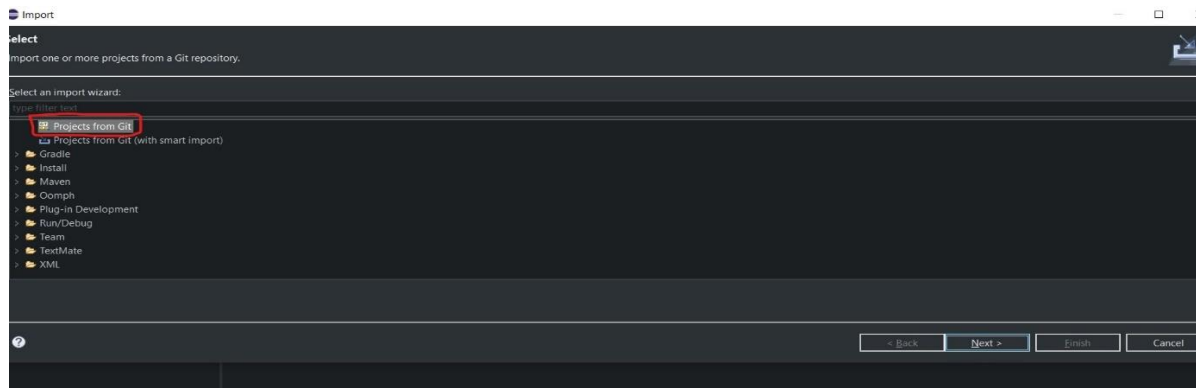
IMPORTING THE PROJECT

The ATC project will function on your system using eclipse. To ensure that the project is being imported correctly follow these instructions.

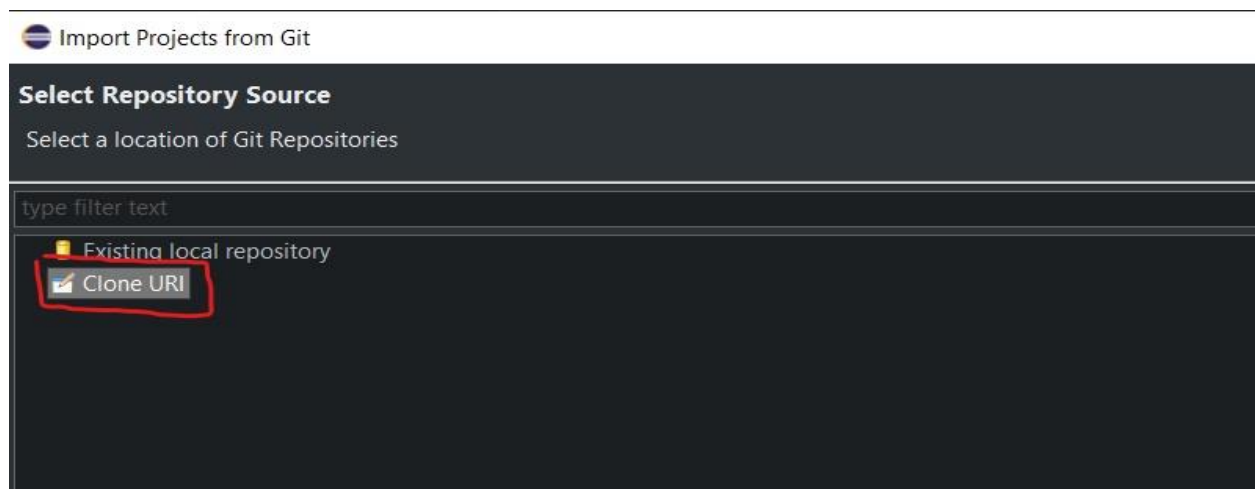
1. Download Eclipse. The latest version of eclipse is provided here <https://www.eclipse.org/downloads/>.
2. Once eclipse is installed, open the application, and find a suitable workspace to work in.
3. Now click file, then import in the top left corner.



4. A window will pop with the different import options. Select “Projects from Git”.



5. Now click on “Clone URI”



6. After this, the source git repository will be brought up. In the URI section paste in the following link [https://github.com/RafaelDolores/EECS2311_GROUP5_TAB_TO_MUSICX ML](https://github.com/RafaelDolores/EECS2311_GROUP5_TAB_TO_MUSICX_ML).

Source Git Repository
Enter the location of the source repository.

Location

URI:

Host:

Repository path:

Connection

Protocol:

Port:

7. Now at the bottom, for Authentication enter in your GitHub Username and password. Clicking the “Store in Secure Store” will ensure eclipse will save your credentials for future use.

Authentication

User:

Password:

☒ Store in Secure Store

8. Once you click next, the different branches will appear on screen. For this project to work the **master** branch must be imported.

Branch Selection
Select branches to clone from remote repository. Remote tracking branches will be created to track updates for these branches in the remote repository.

Branches of https://github.com/RafaelDolores/EECS2311_GROUP5_TAB_TO_MUSICXML:

type filter text

- ☐ feature_yash
- ☒ master
- ☐ Mohammed
- ☐ Nick
- ☐ Rafael
- ☐ Rafael_FeatureBranch

Select All Deselect All

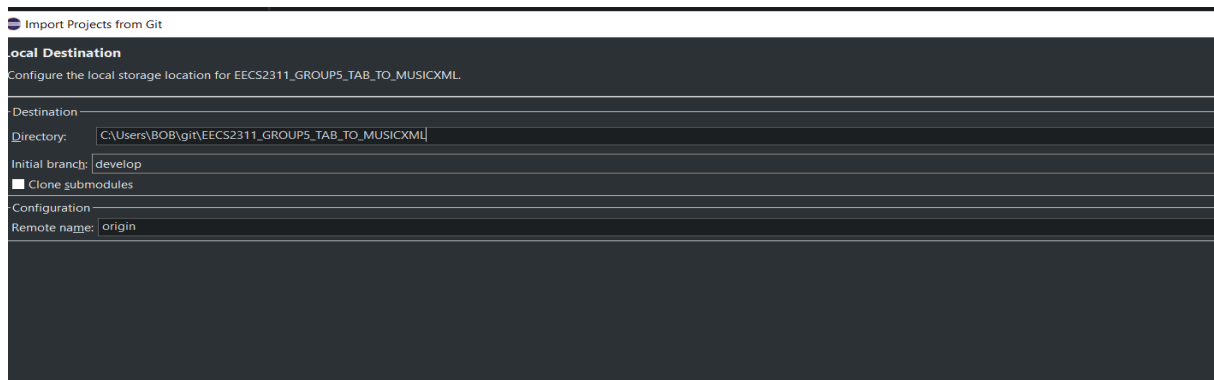
Tag fetching strategy

☐ When fetching a commit, also fetch its tags

☒ Fetch all tags and their commits

☐ Don't fetch any tags

9. Once that is done, click next and now you must select a suitable directory to save this project.



Import Projects from Git

Local Destination
Configure the local storage location for EECS2311_GROUP5_TAB_TO_MUSICXML

Destination

Directory: C:\Users\BOB\git\EECS2311_GROUP5_TAB_TO_MUSICXML

Initial branch: develop

☒ Clone submodules

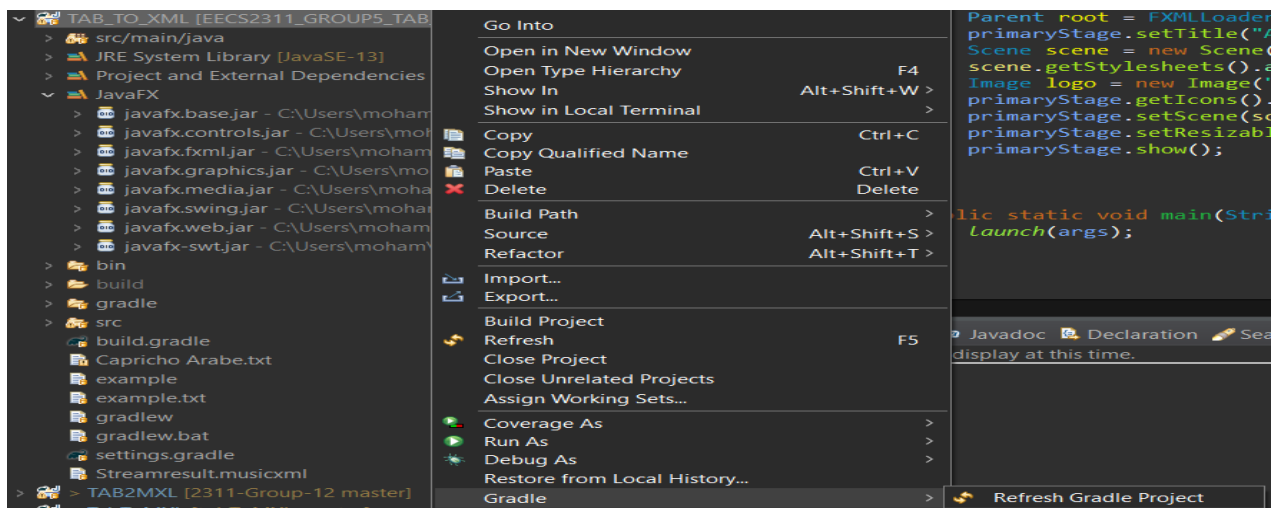
Configuration

Remote name: origin

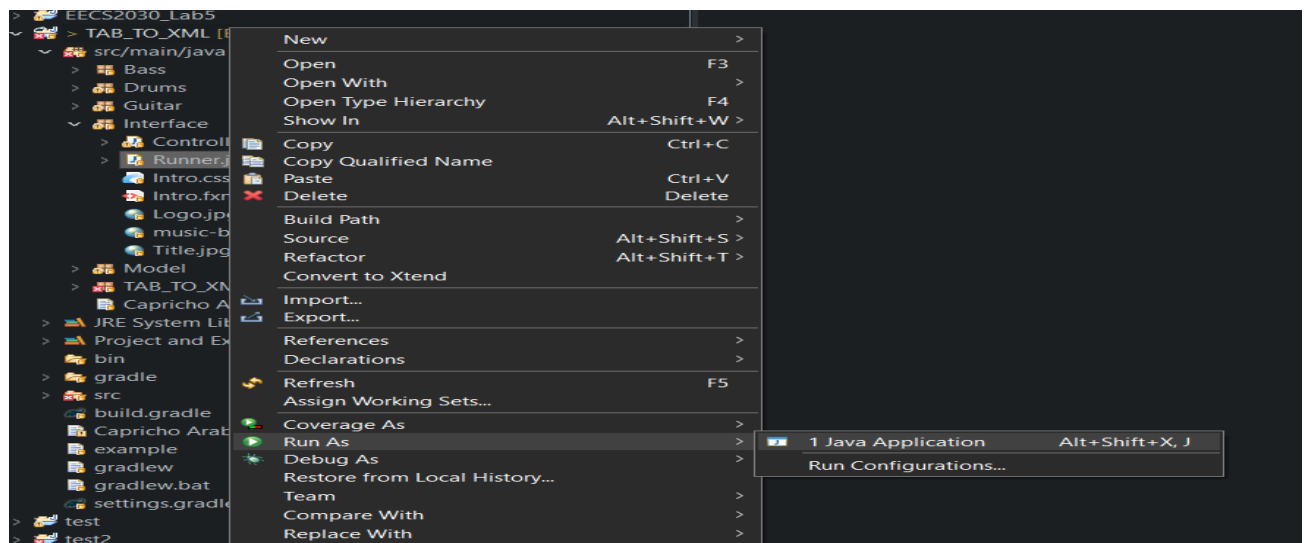
10. After this is completed, click next and then finish. The project is successfully imported.

RUNNING THE APPLICATION AS A JAVA APPLICATION

1. To run the project open **"TAB_TO_XML"**, then click on **"Gradle"** and then **"Refresh Gradle"**.

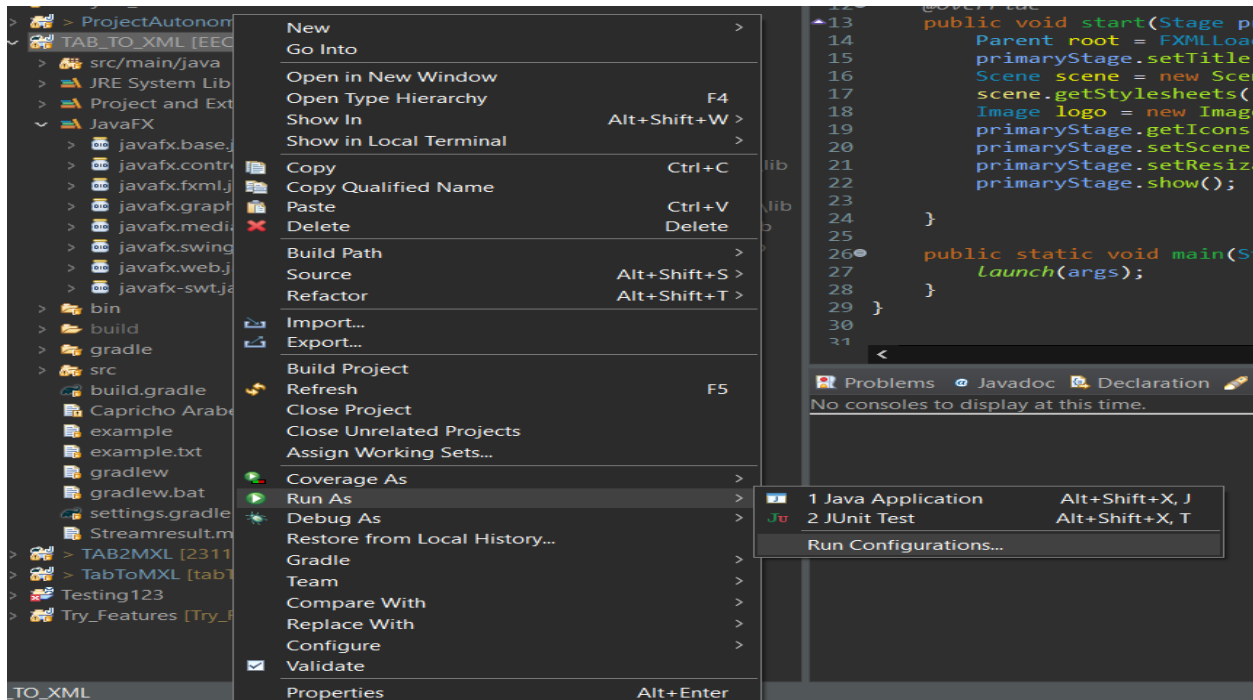


2. After you do that, open the package called **"Interface"** and right click on **"Runner.java"**. Then click **"Run as Java Application"**, and you will be able to run the application.

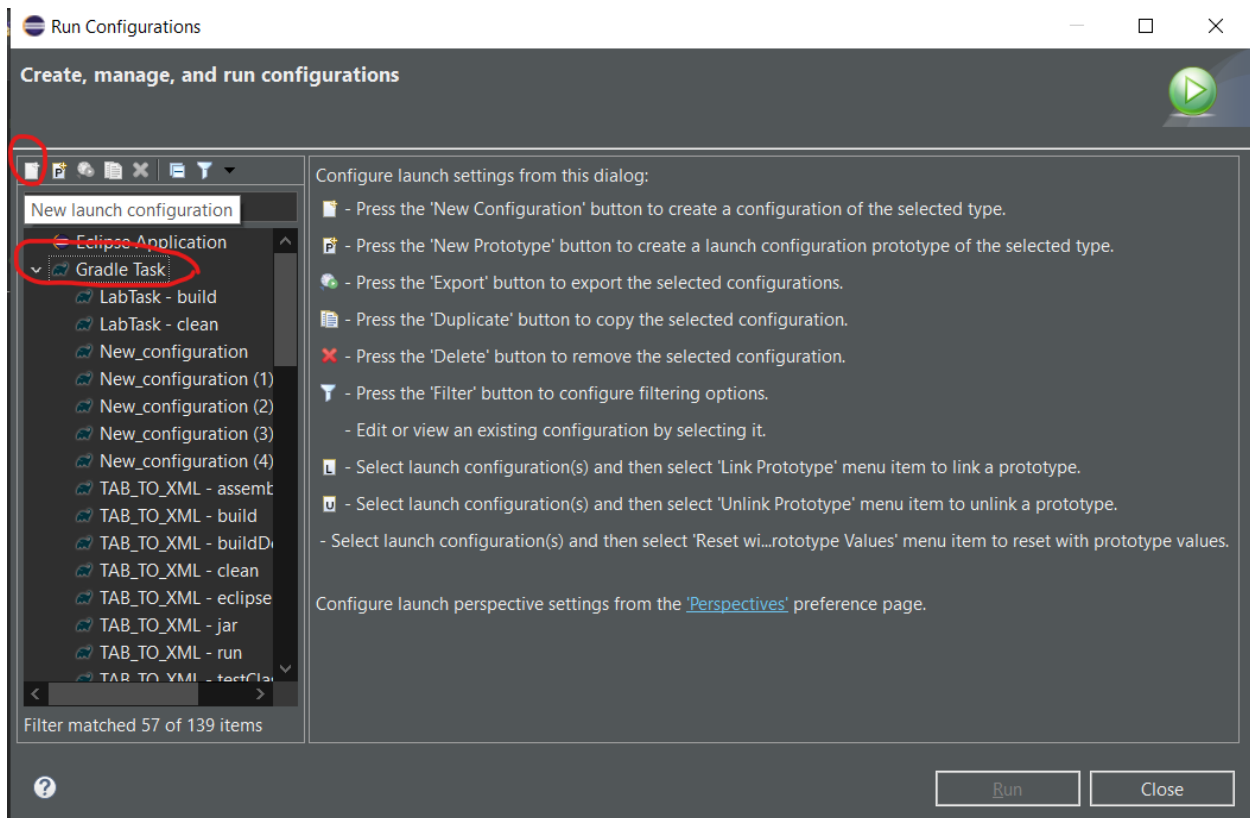


RUNNING THE APPLICATION AS A GRADLE PROJECT

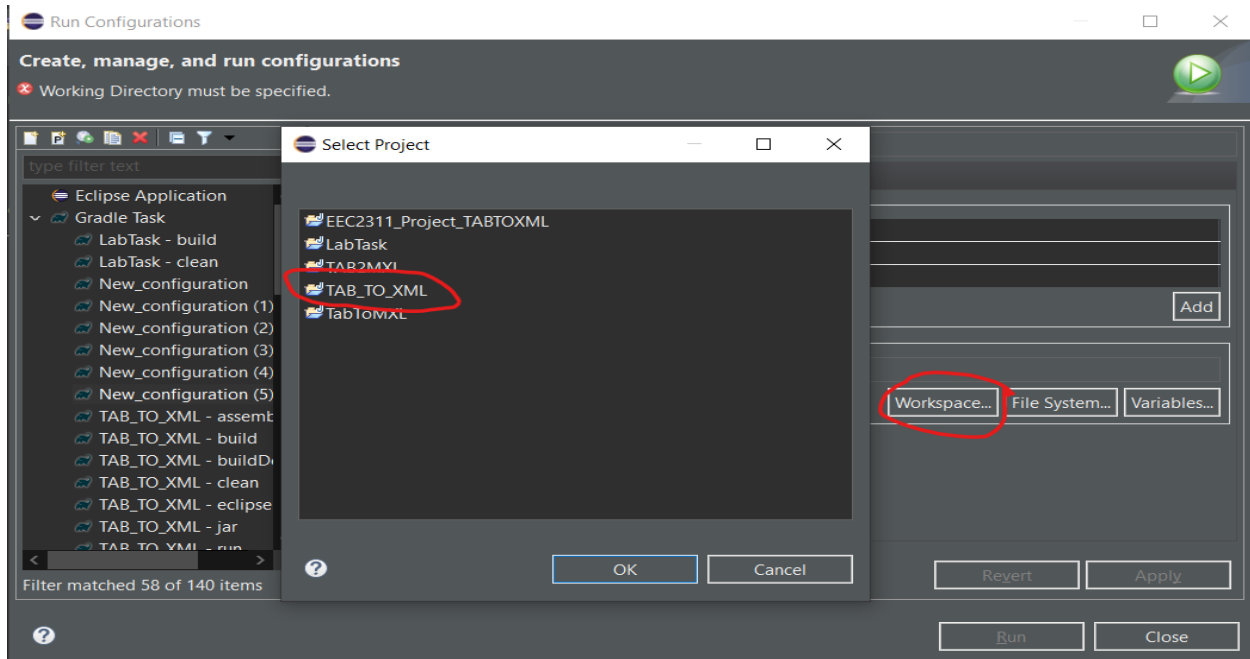
1. To run the project as a Gradle Project, you must first refresh Gradle as mentioned in the section above.
2. After that, you must right click on the project, hover on **“Run As..”** and click on **“Run Configurations”**.



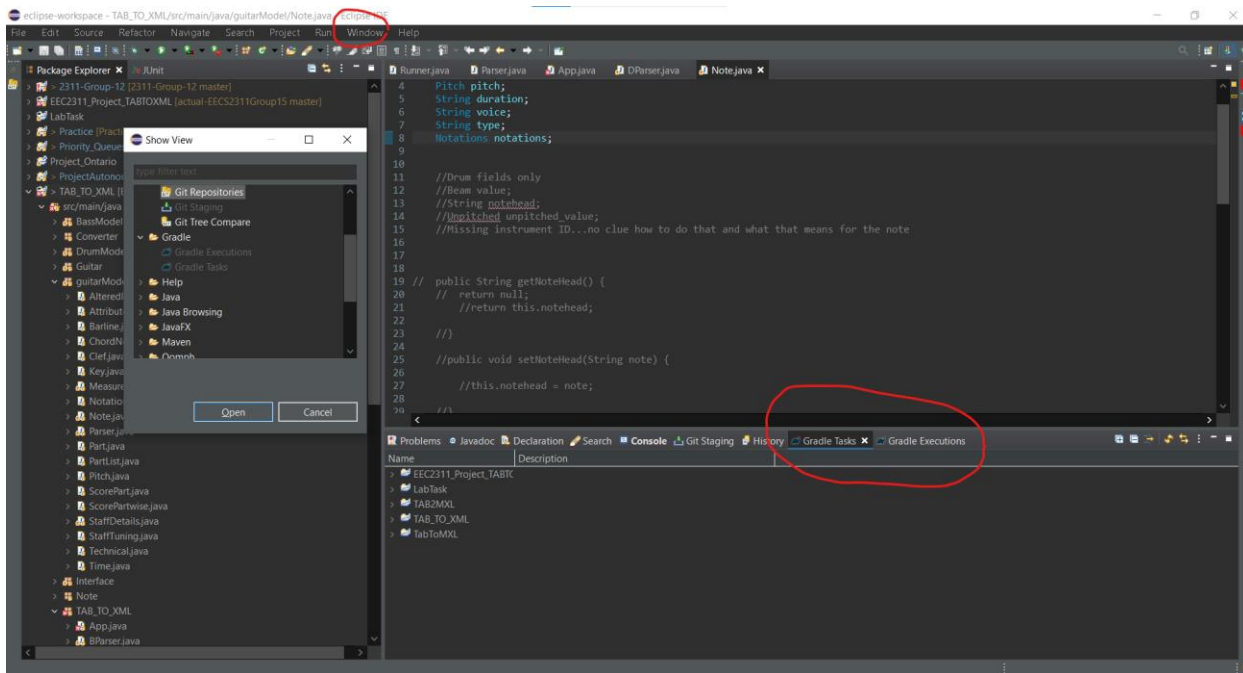
3. A new window will open. Scroll all the way to the top and select **“Gradle Tasks”** and make a new launch configuration.



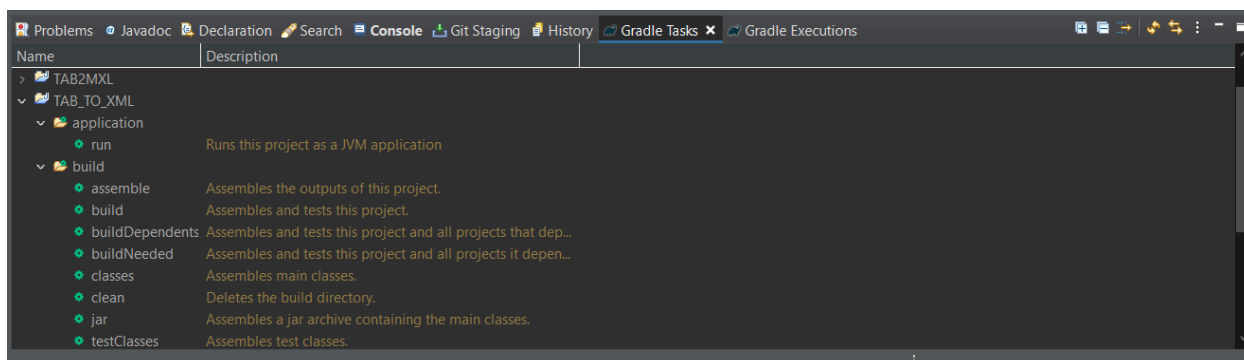
4. Once you make a new configuration, click on workspace, and choose this project, that is, **TAB_TO_XML**.



5. Once you run, the Gradle Execution tab should open up and there should be a Gradle Tasks tab at the bottom where the console is generally located. If in any case you do not see Gradle Tasks or Gradle Execution, then you can click on Window → Show View → Other → Gradle → Gradle Tasks/Gradle Execution on Eclipse.



6. Once you get Gradle Tasks onto your screen, just drop down “applications” and click on run. If that does not work for some reason, then you can drop down “build” and build the project first before running.



RUNNING THE APPLICATION MANUALLY IF THE ABOVE DO NOT WORK

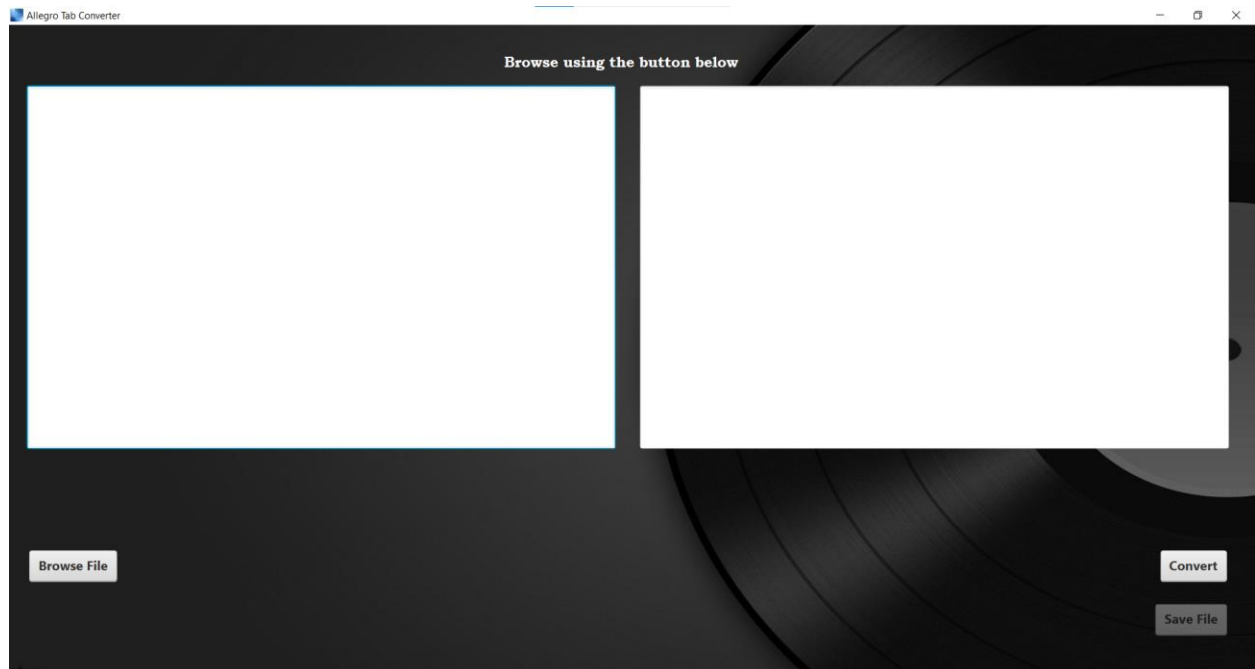
If you get the warning “Error: JavaFX runtime components are missing” after trying the above mentioned steps, then you must import Javafx separately. Follow these steps to resolve this problem.

- 1) Download Javafx and extract it in a location.
- 2) In Eclipse go to Window, preferences, Java, Build path, User Library.
- 3) Click New and then enter “javafx”.
- 4) Now click on it and then click on add external jars.
- 5) Now open the javafx folder and click on bins.
- 6) Now highlight all the jar files except the zip file at the bottom.
- 7) Click apply. Now right click on the project and go to build path and then configure build path.
- 8) Click on class path and then click add library.
- 9) Click on user library and then select javafx.
- 10) Apply the following.
- 11) The last step is to click on “run configuration” from the run drop down list.
- 12) You will then see “Arguments” and after clicking this “VM Arguments” at the bottom. In that field type in the path to the javafx folder.
- 13) As an example **--module-path "C:\Users\moham\Downloads\javafx-sdk-15.0.1\lib" --add-modules javafx.controls,javafx.fxml**.
- 14) Click apply. Now the problem should be solved.

GETTING STARTED WITH ALLEGRO TAB CONVERTER

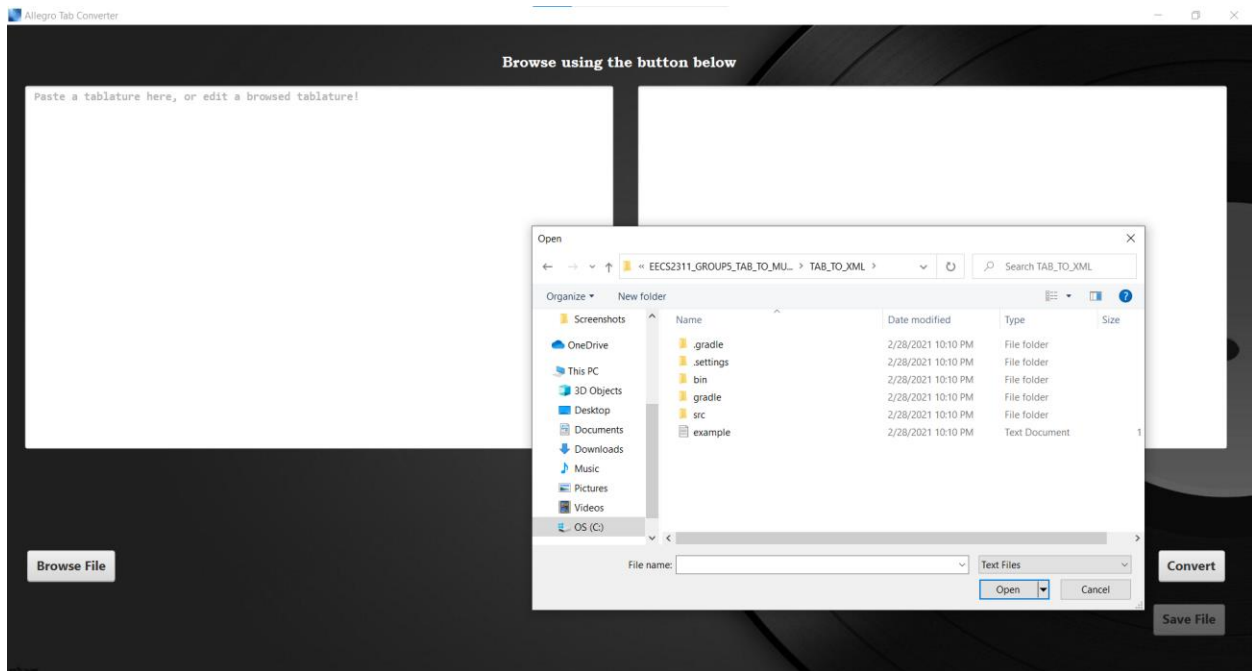
THE APPLICATION

This desktop application is user friendly and very simple to use. It consists of three buttons, each having a specific function. Please note that the application does not store any data provided, and it cannot access any file other than the one provided by you. Using it will not corrupt any file in your system. The downloaded file will not contain any virus of any sort, and it will not corrupt your system. It also does not contain any element that might affect your eyesight. The application currently supports guitar tablatures.

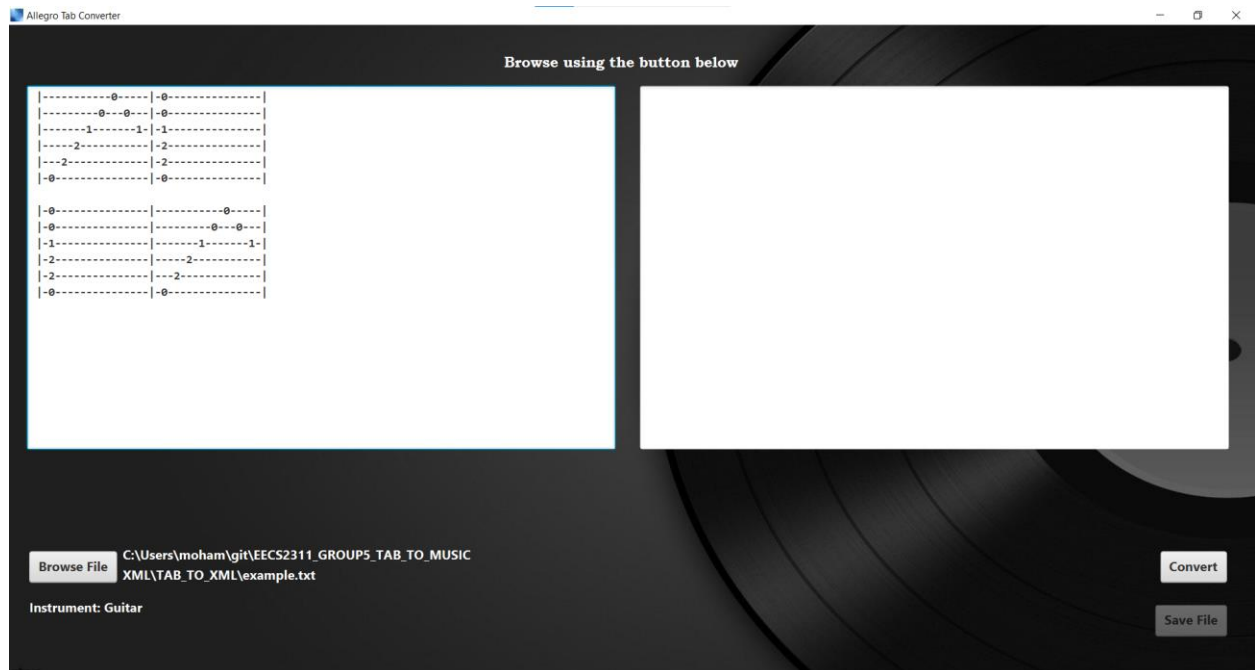


THE BROWSE FILE BUTTON

The '**Browse File**' button is self explanatory: once you click on it, it should open your file explorer and should ask you to choose a file. You can always close the file explorer if you do not wish to choose a file.



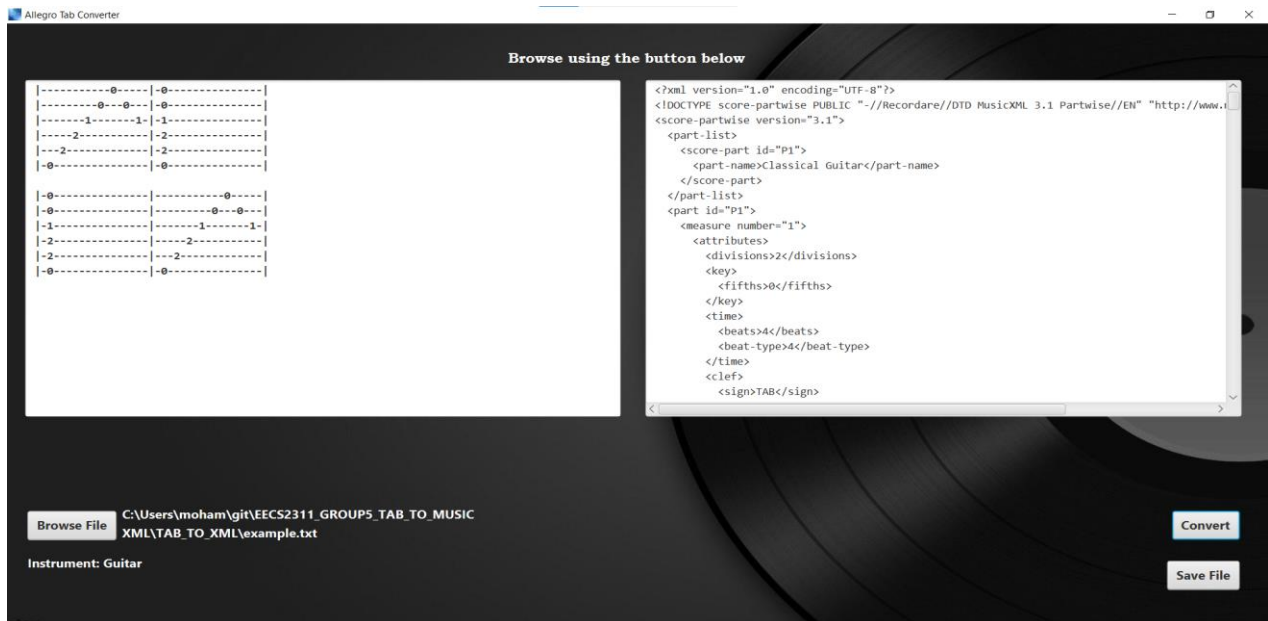
Once you choose a file, the application should display that file on the text box as well as the path of the file as shown in the picture. You can edit your file on the text box if you wish to change something. The User Interface also displays the instrument to which the tablature belongs. If you decide to browse again, the text box will clear, and it will show the file that was recently browsed.



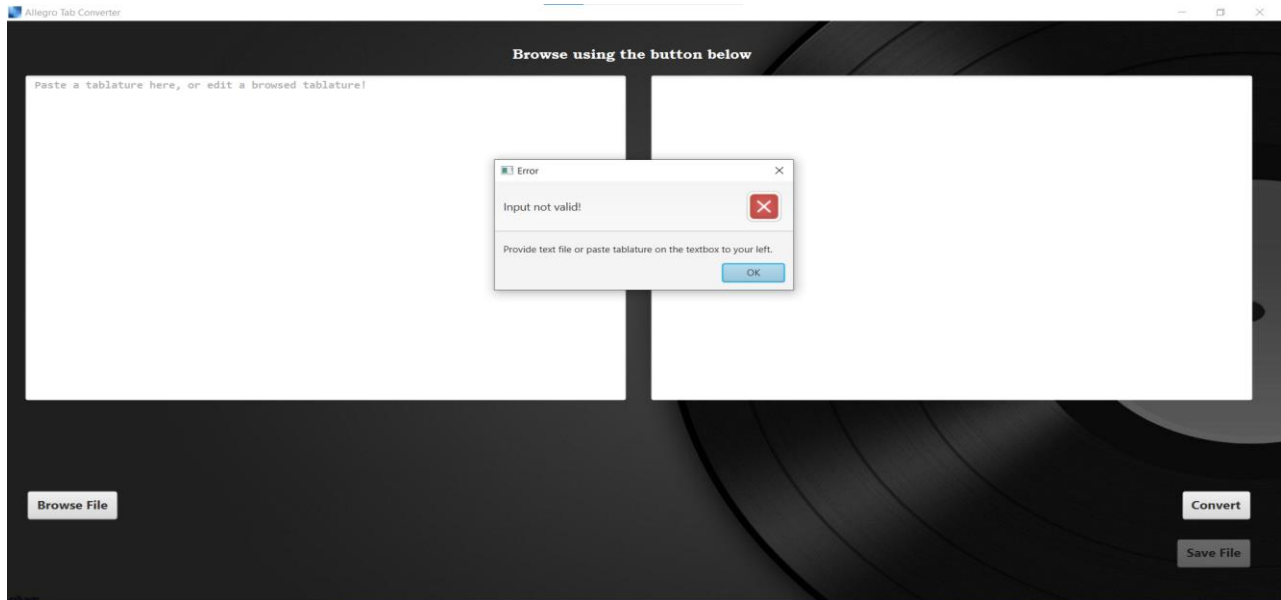
NOTE: You can also choose to not browse a file if you do not have one. You can simply just copy the tablature and paste it on the left textbox. You can change your tablature on the text box. This method will not display what instrument the tablature belongs to until you click on the convert button.

THE CONVERT BUTTON

The **Convert** button converts the text tablature that was browsed using the browse button, or the text tablature that was pasted on the textbox and converts it to the corresponding musicXML file. If you pasted the text tablature, then the convert button detects the instrument. It displays the converted file on the textbox to your right. **It does not save the file on your computer.** Also, you can notice that the 'Save File' button was disabled before, but now its enabled.

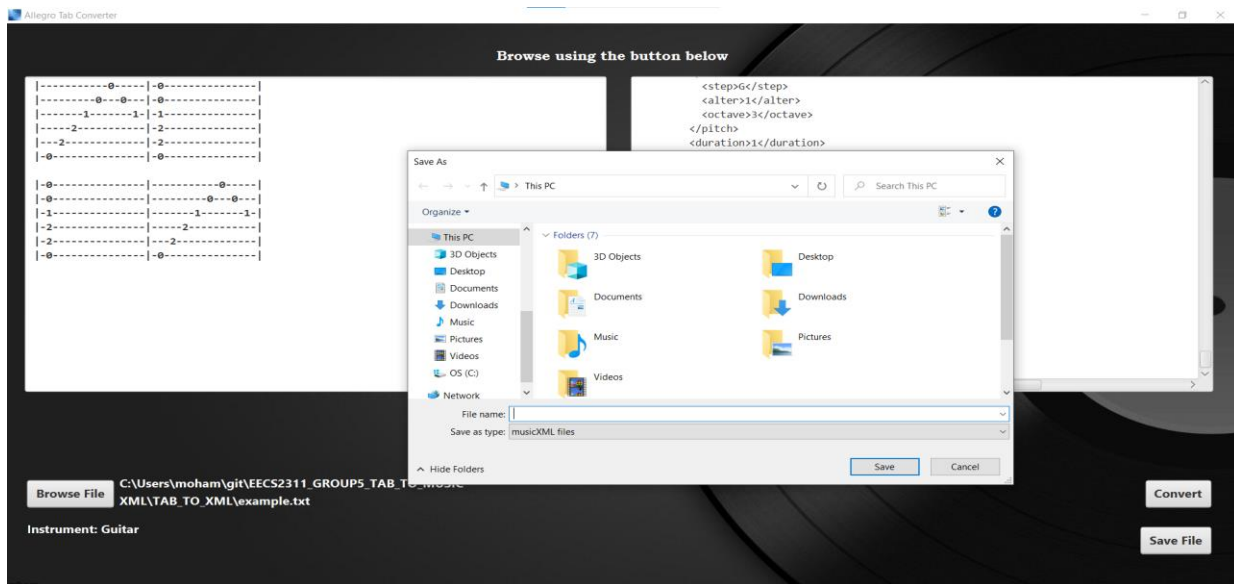


If you attempt to convert without browsing for a file or pasting a text tablature, the application will give you an error alert.

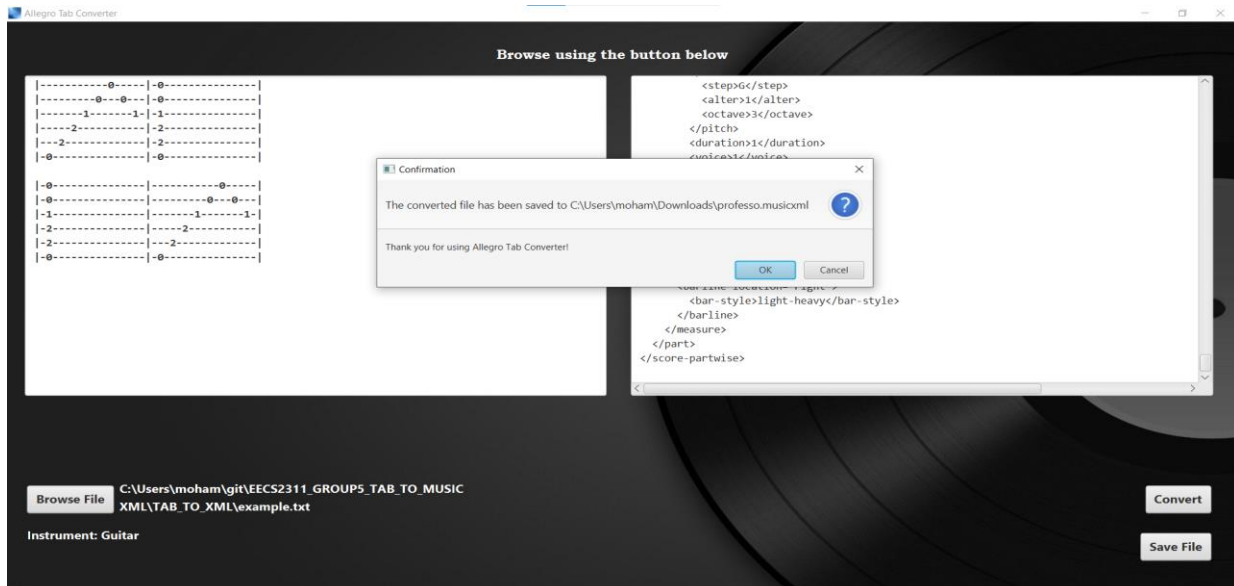


THE SAVE FILE BUTTON

The 'Save File' button opens up a window that allows you to choose the location at which you would like your file to be saved. The save button is enabled only after you see the converted musicXML file on the right text box.



After you save your file in your device, it gives you a confirmation alert telling you that it has been saved.



CONTACT INFORMATION

If you have any questions, concerns or comments regarding the software or its functionalities, or any complaints regarding it, please feel free to contact any one of the developers:

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