# Tab to MusicXML

# User Manual

**Version 1.0**

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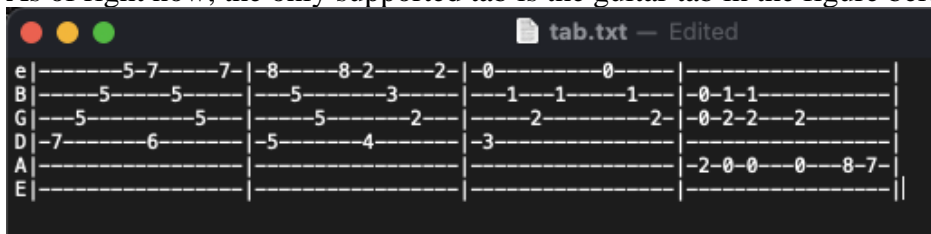
# 1.    Introduction

The purpose of this document is to serve as a user manual and provide the users of Tab to MusicXML with a detailed, step-by-step guide on how to install and use the software. The intended audience for this document includes the testers for our application, as well as our customer. This document should cover all of the relevant use cases for the most up to date version of our application, further version changes will be reflected in this document as well.

# 2.    Overview

The purpose of the Tab to MusicXML software is to provide the user (should we specify who?) with a simple and easy-to-use tool to convert ASCII tablature to MusicXML. It is a standalone Java based desktop application that can be run offline. The user will interact with our software through a graphical user interface that will be simple and easy to use. The application will allow the user to import a tab of their choosing, fill in any extra options, and export it into a music XML file.

## 2.1   Conventions

As of right now, the only supported tab is the guitar tab in the figure below:



We are still in the process of parsing through tablature of other forms and instruments. Any other input *will produce an incorrect MusicXML file*.

# 3.    Getting Started

## 3.1   System Requirements

Before installing the software, please ensure that you have java installed on your computer. If you do not, please follow this link to download it https://www.java.com/en/download/.
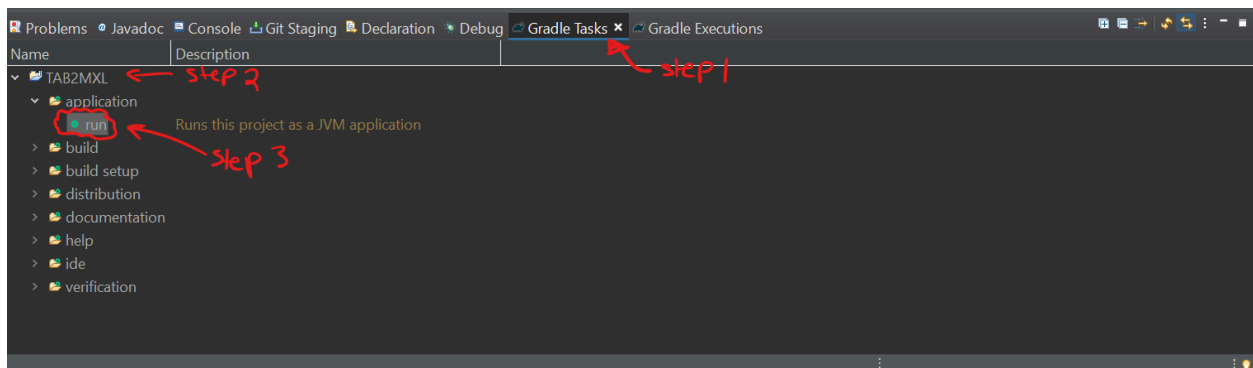
Also ensure that your computer meets or exceeds the following system requirements:

| CPU | Anything |
|---|---|
| RAM | 2 Gigabytes |
| Available Disk Space | 1.03MB |
| Operating System | Windows, Mac, Linux |

## 3.2   Installing the System

To install and run the software:

1.  Clone the repository from Github: https://github.com/alborzdev/2311-Project
2.  If you do not see the "Gradle Tasks" window in Eclipse (see image below). Go to **Window → Show View → Other → Gradle Tasks**.
3.  Clock on the TAB2MXL folder → application → run (double click).



## 3.3   Exiting the System

You may exit the system simply by:

● Clicking the "x" button at the top right of the screen,
● In the menu bar: File→ Exit

# 4  Using the System

When you run the software *(See section 3.2 on how to install and run the software)*, you will see the following welcome screen:
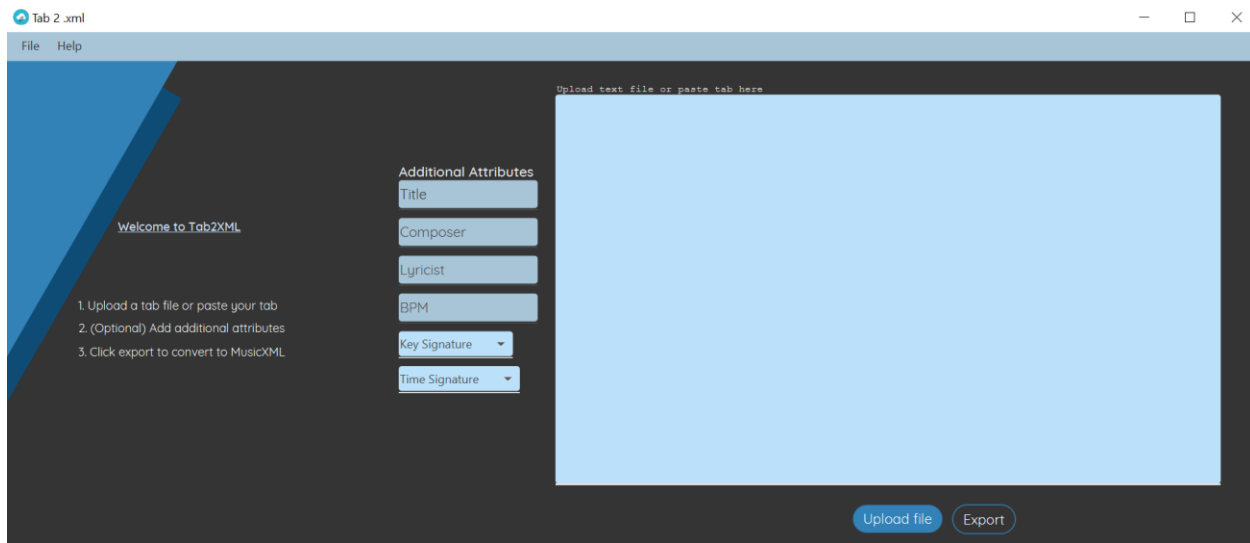


*Figure 1: Software Main Window*

The following subsections provide detailed, step-by-step instructions on how to use the various functions or features of the Tab to MusicXML software.
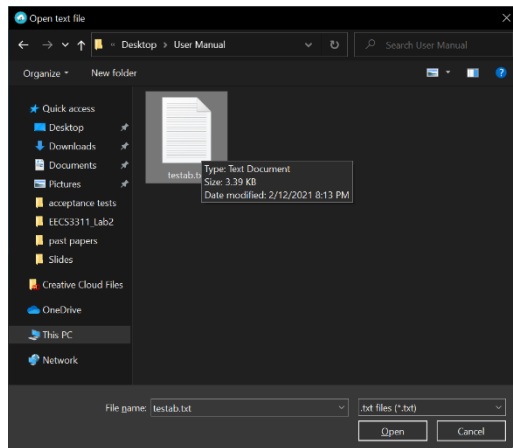
## 4.1    Uploading a tab as a text file (*.txt)

In order to export a MusicXML file, the user needs to import an ASCII tab of their choosing into the program. One way they might choose to do this is through uploading a text file containing the tab. First, the user must click on the **Upload File button**. Then, a window will pop up, prompting the user to specify the location of their file and select it. The user should then see the **tab from the file in the text area**, where they can edit it if they wish.
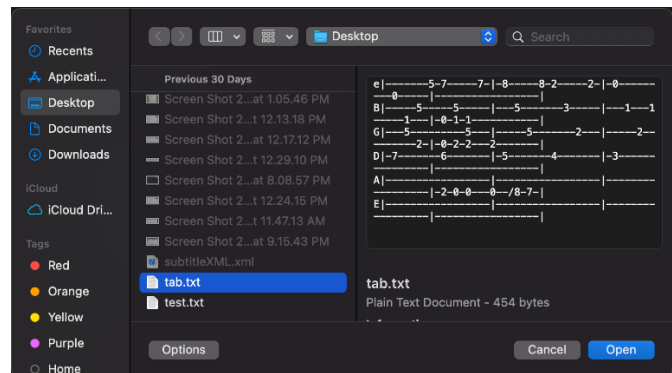
Click on the "Upload file" button to import a tab.

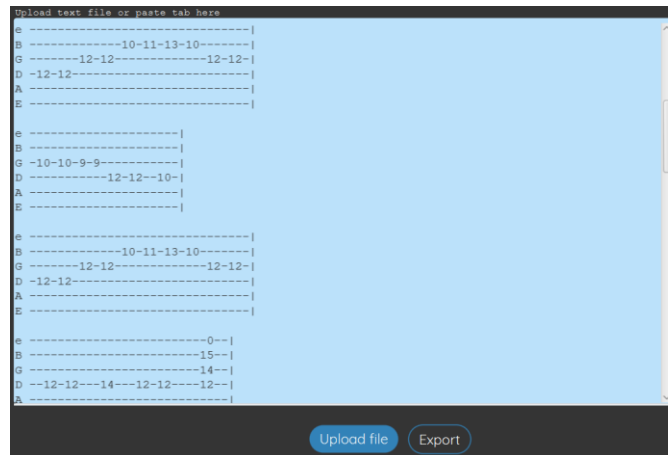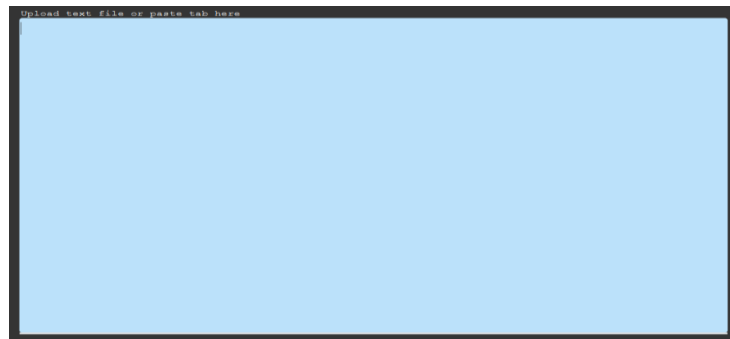Select a .TXT file that contains supported tablature.



*(On Windows)*                                                  *(On Mac)*

You can now view your imported tab in the text area.



## 4.2    Pasting tablature into the textarea

Another way for the user to input their tab is to paste is directly into the text area. They can click on the big box and paste, type, and/or edit their tab until they are satisfied.
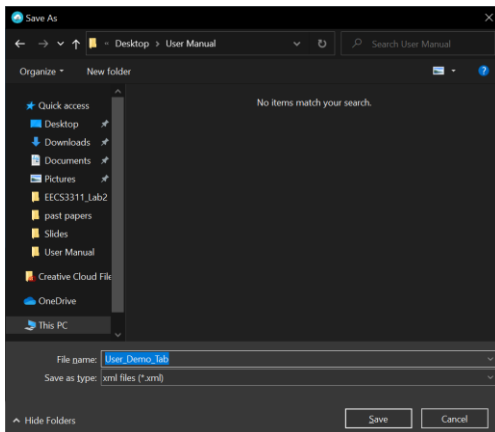
## 4.3   Exporting a MusicXML file

Once the user is satisfied with their tab, they can convert the tab into a MusicXML by clicking the "Export" button. A window will then pop up, prompting the user to specify the name of the .xml file and save it in their desired location on their computer.
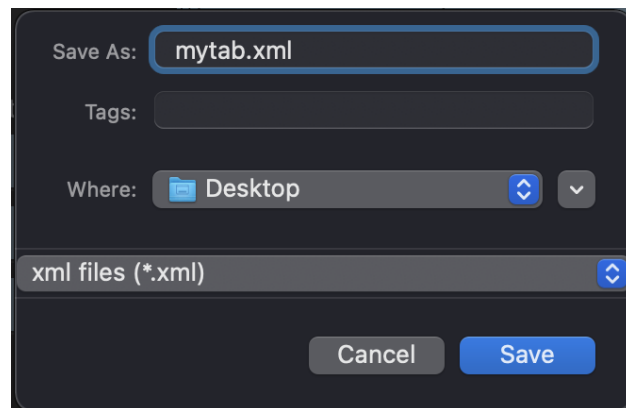
Click on the "Export" button.



Enter a filename and click on "save" to finish exporting.



*(On Windows)*                    *(On Mac)*

## 4.5  Adding additional attributes into text fields

This feature allows the user to add additional attributes to the MusicXML file by clicking on the text field and typing in the attributes accordingly.

## 4.6   Convert multiple tab files (to be implemented)

This feature allows the user to pick multiple tabs to convert, instead of a single tab at a time.