User

Manual

TablatureConverter

EECS 2311 – Group 6

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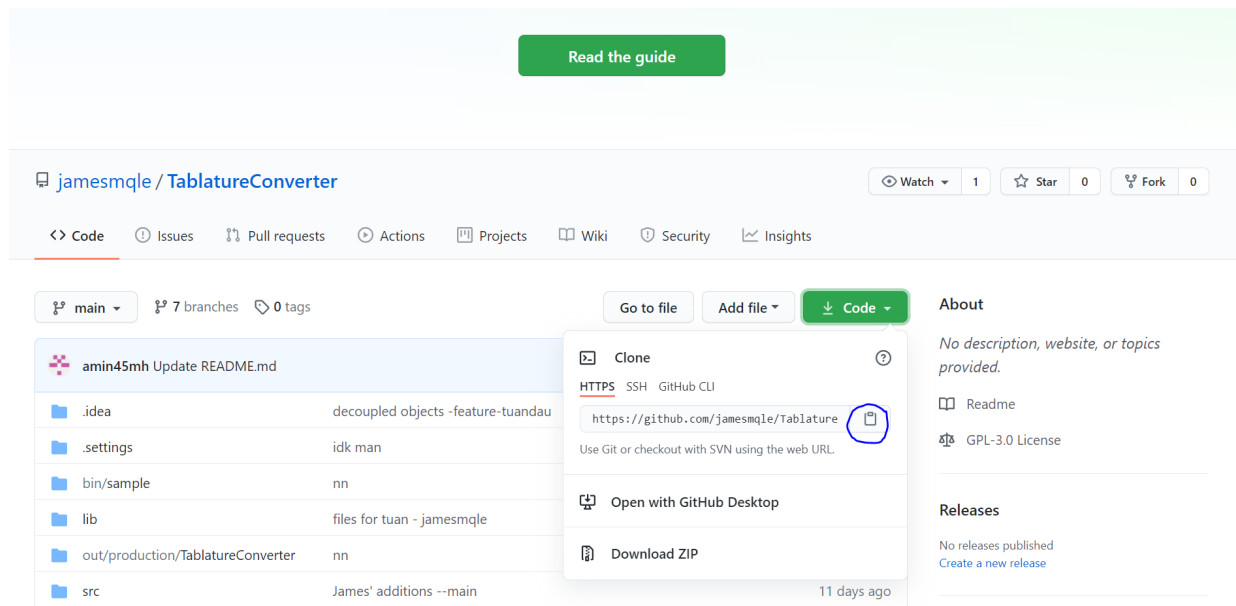02/28/2021

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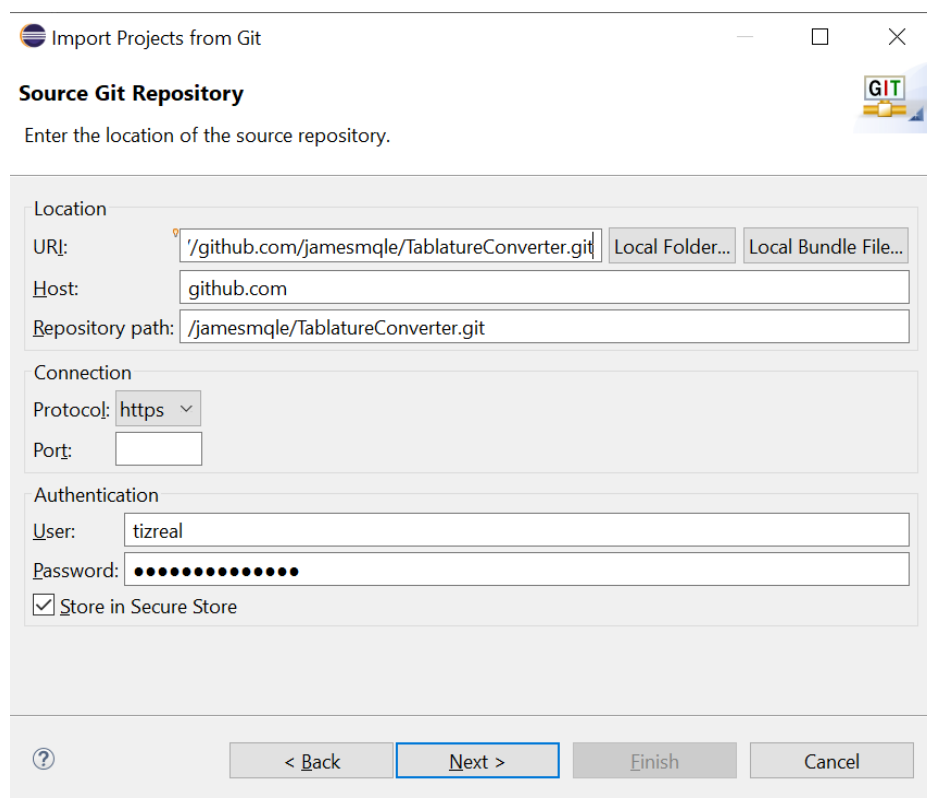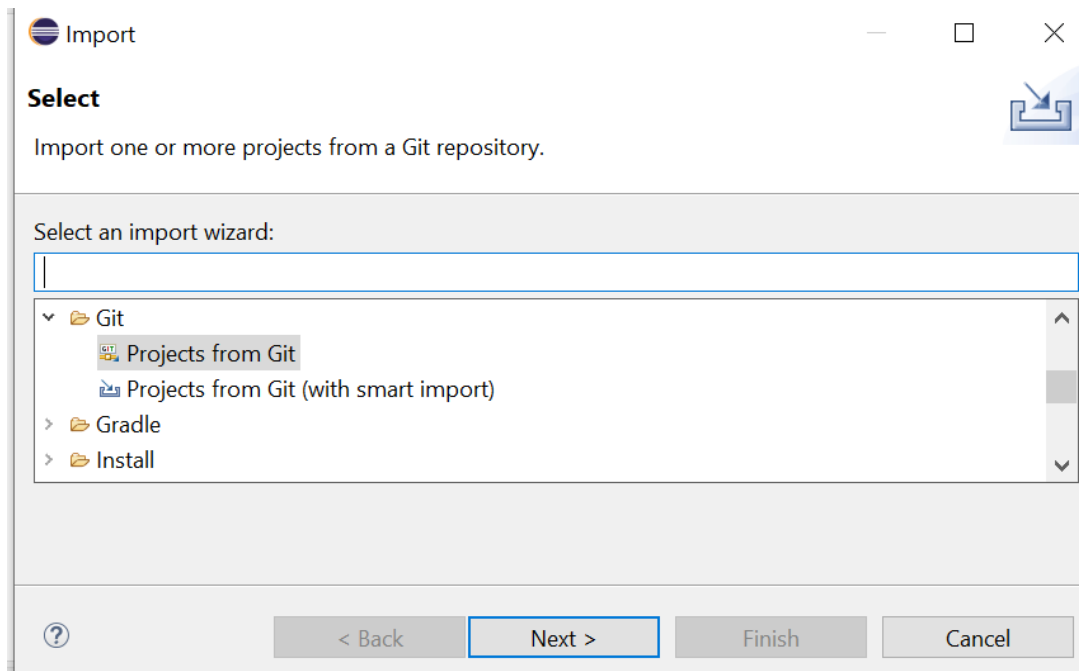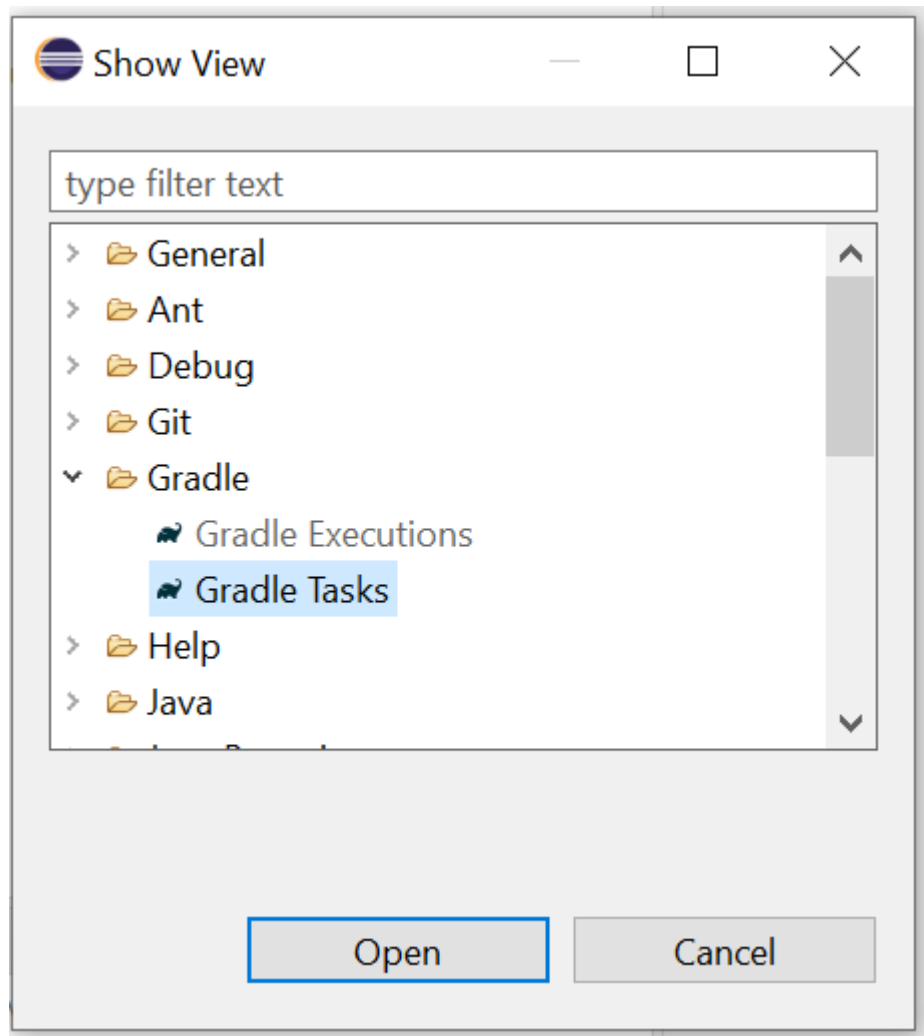
How to Set Up the Program

1. Download the ZIP in the repository and unzip the file or click on the
clipboard icon to clone URI on Eclipse

2. Open Eclipse -> Import -> Git -> Projects from Git -> Clone URI -> Paste the URI into the appropriate URI box -> Next -> Finish.

3. Click on Window –> Show view –> Other –> Gradle –> Gradle Tasks –> Open
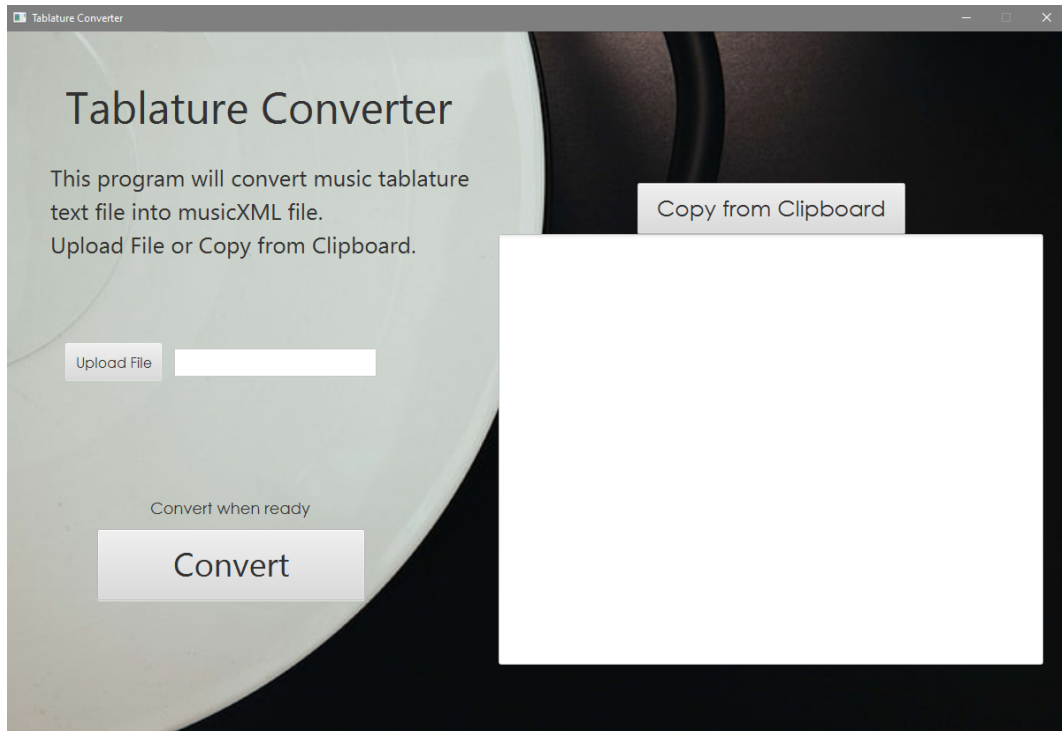
4. Click on the drop down icon on the TablatureConverter project from the Gradle Tasks window, and then click on application –> run.

**5. The program is now running!**

How to Use TablatureConverter

1. **Upon program start-up, the following window will open up.**

2. **Import text tablature to application. There are multiple ways to do this.**

   a. Press the "Upload File" button then choose a file in the program's file explorer. Contents of the file will be displayed in the textarea to the right of the menu, which can be edited.

   b. Paste tablature from clipboard to the textarea

Note: The converter will only convert the text contained in the textarea
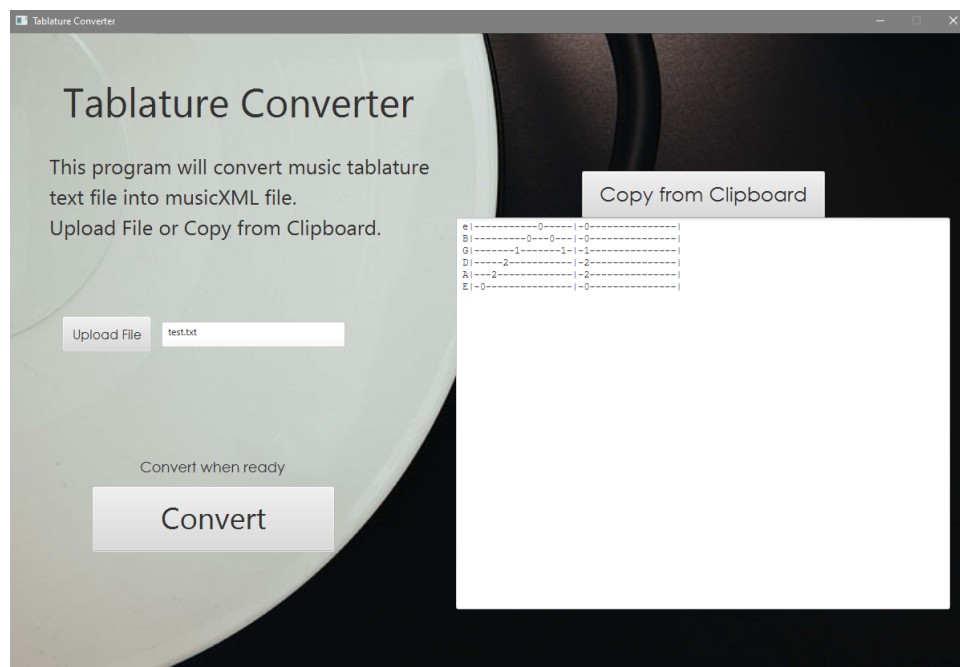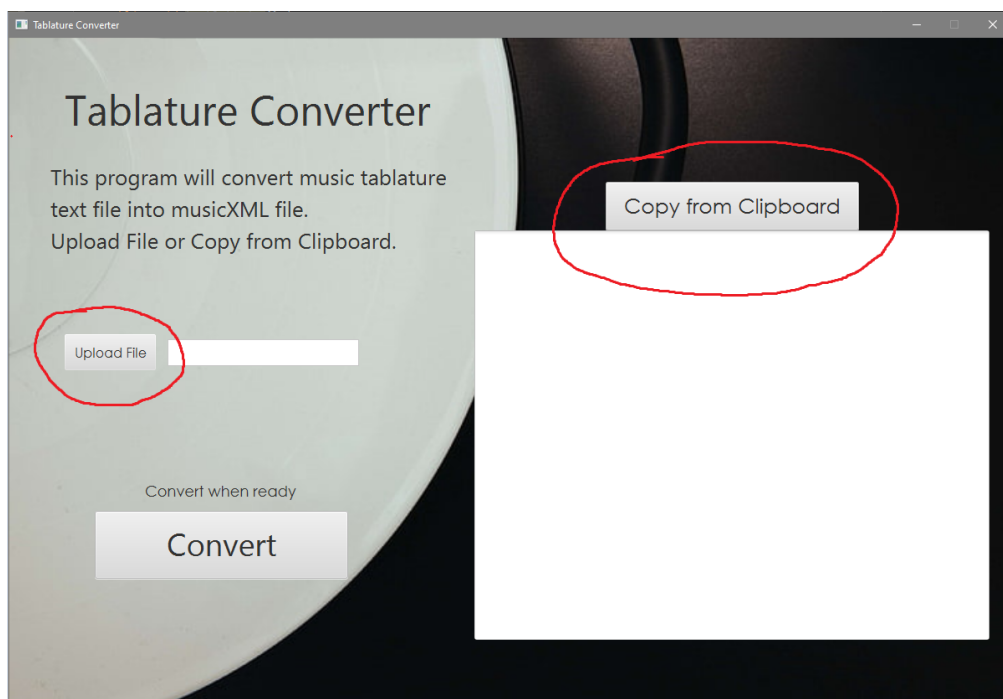
3. Press the "Convert" button.
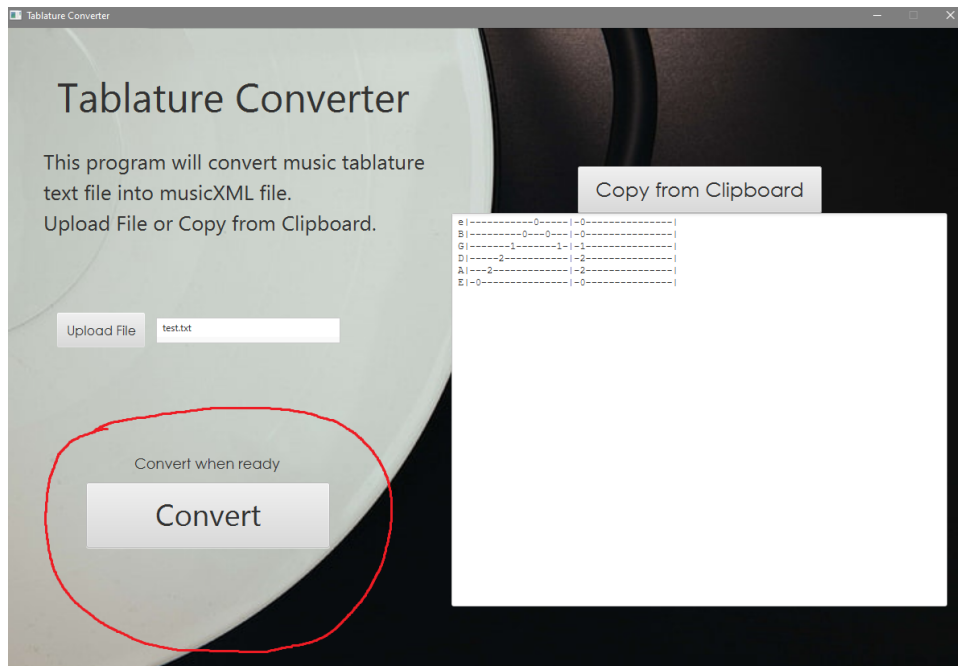

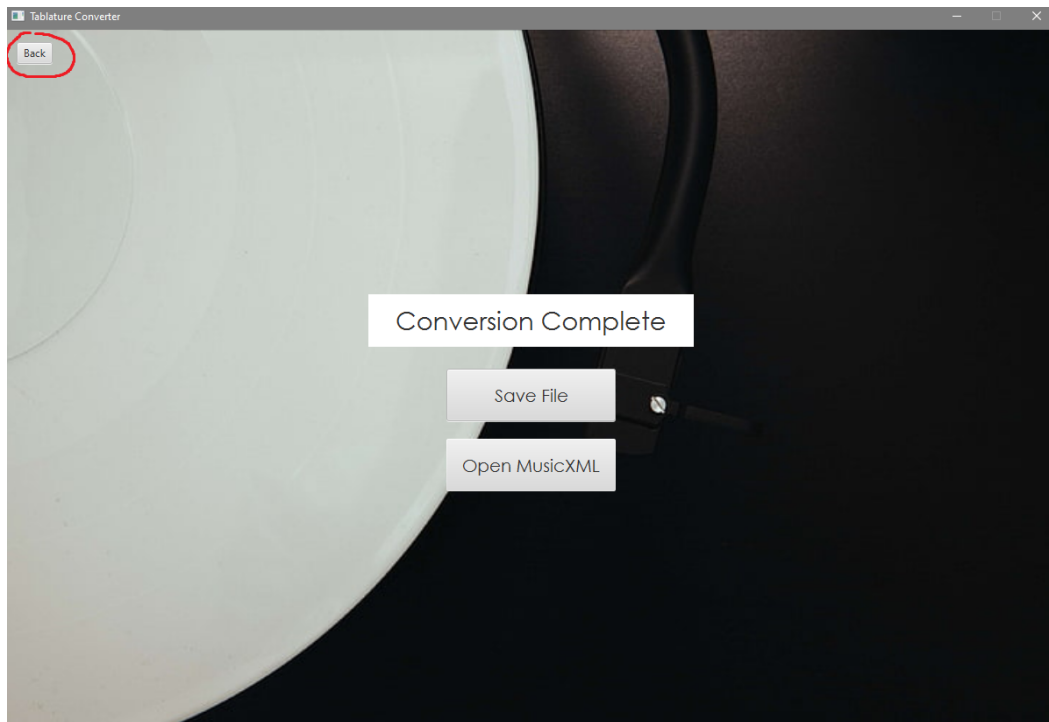### 4. The conversion is complete. A new menu will appear.

    a. Press "Save File" to save converted XML file to a specified file path in local file explorer.

    b. Press "Open MusicXML" to open XML file in a browser.
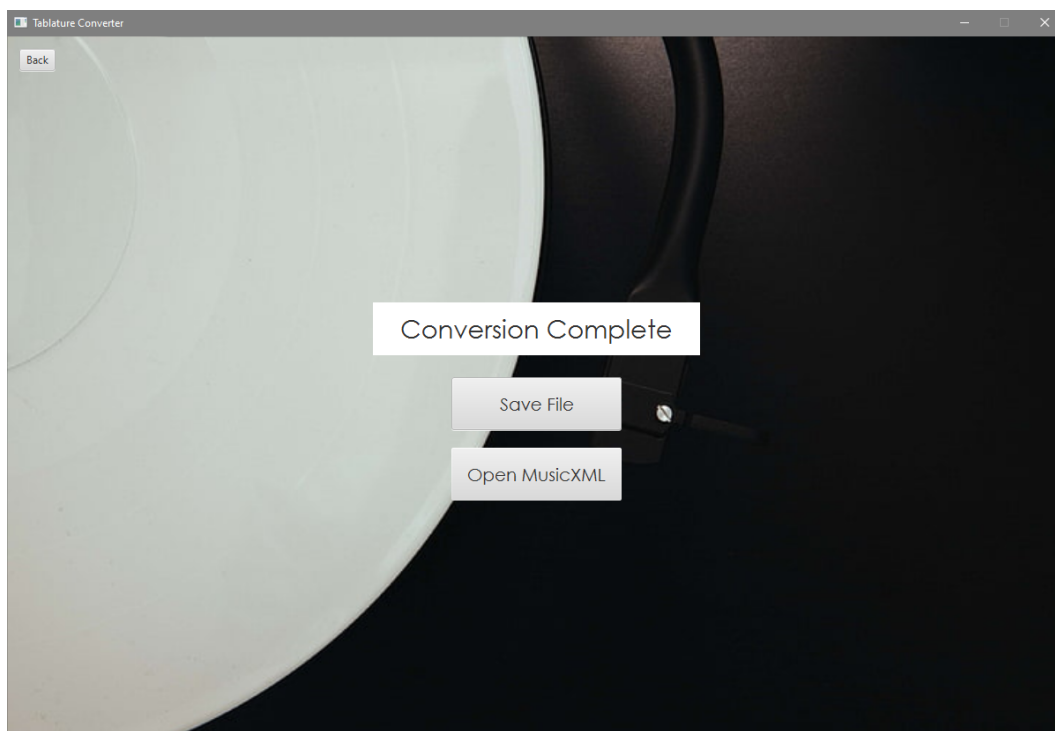
5. Press the "Back" button to return to the previous page and convert another file.

6. Close the program by clicking on the "x" button in the top right or by pressing the "esc" on the keyboard.
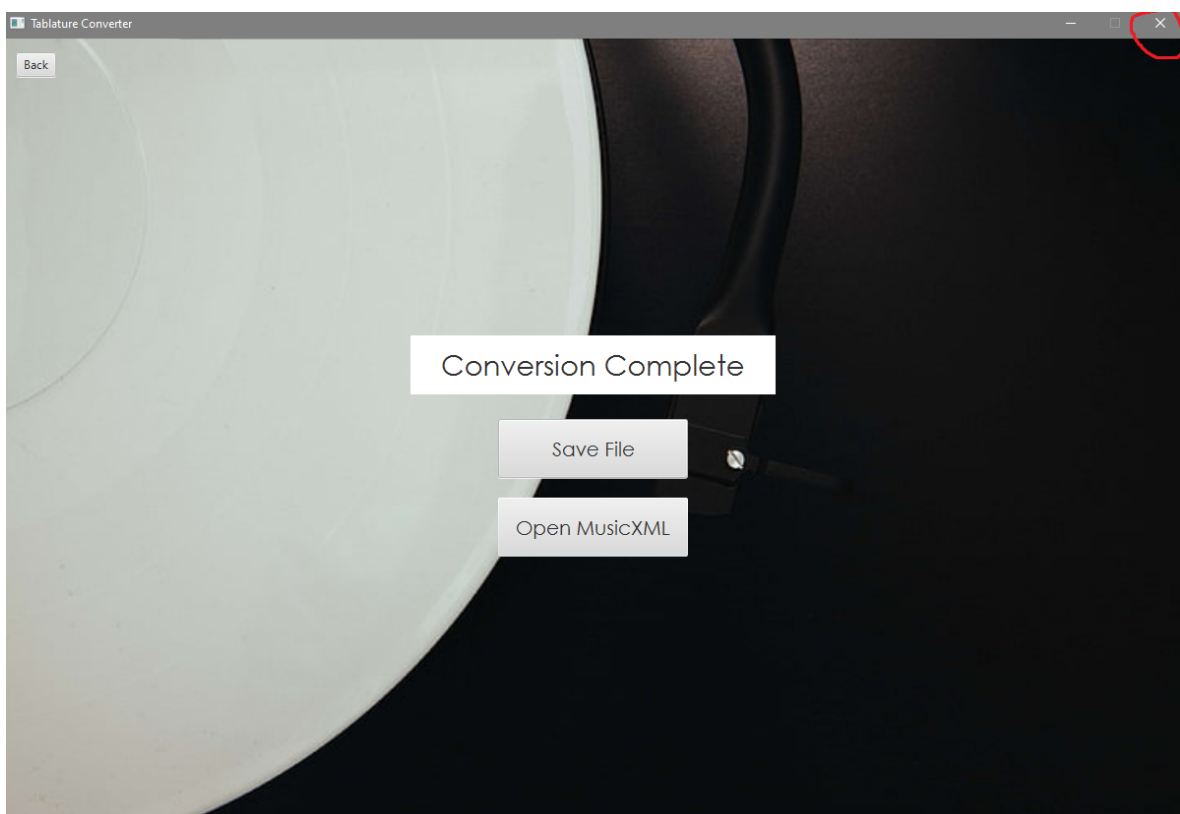
Usage Scenarios

1. User File Editing

A beginner musician has uploaded a tab file to the program, and wants to edit the tablature in the text area before converting it to a MusicXML file.

1. The user selects the tablature file in the program's file explorer and the text file contents are displayed in the textarea on the right side of the menu.

2. The user decides he wants to edit his tablature within the textarea. They can do so by clicking into the textbox and typing in their changes.

2. File Conversion

A music teacher who has guitar tablature in a text file wants to convert it to a MusicXML file.

1. The user selects and uploads a text file containing tablature.

2. The system detects which instrument the tablature is describing.

3. The system converts the text file into a MusicXML file for the appropriate instrument.

4. An output preview of the conversion can be displayed if the user presses the "Open MusicXML" button in the "Conversion Complete" menu.

3. Save Converted XML File

A music professor wants to save their converted MusicXML file to their local file explorer.

1. The user starts the program.

2. The user uploads a text tablature to the system.

3. The user converts the text file.

4. The system successfully converted a text file.

5. User clicks "Save File" and saves the XML file to a local folder.

4. Open Outputted XML File in Browser

A musician is attempting to view the outputted XML file in their local web browser.

1. The user starts the program.

2. The user uploads a text tablature to the system.

3. The user converts the text file.

4. The system has successfully converted a text file.

5. User clicks "Open MusicXML"

6. The system opens his web browser containing the MusicXML file

7. MusicXML file opens in a compatible web browser for preview.