TabToPDF
Requirements Document

Group 1

Tom, Khurram, Saad, Ron, Skyler, Alex, Jon, Bilal

CSE2311 Prof. Tzerpo

TABLE OF CONTENTS

1. INTRODUCTION

1.1 Purpose

The purpose of this document is to describe the major requirements that the client has requested and how those requirements have been met by the software team.

1.2 Scope

The client has provided sample inputs and outputs for guitar tablature. This document reviews these inputs and outputs and compares them to the software's actual output.

1.3 Overview

This document outlines the requirements with images of the sample inputs with its corresponding outputs. After each sample input/output set, an actual output is shown so that the client may judge if the requirements were met.

1.4 Reference Material

Please refer to the Test, Requirements and User Manual Documents if necessary.

1.5 Definitions and Acronyms

TabToPDF – stands for tablature to PDF format and is the name of the software

GUI – Graphical User Interface

MVC – Model View Controller design

Conversion – conversion code component for text file to PDF format

Component – a collection of classes that contribute to a certain function in the software

2. REQUIREMENTS OVERVIEW

Features that needed to be displayed on music bars in the output PDF included:

Music numbers
Pulls
Hammers
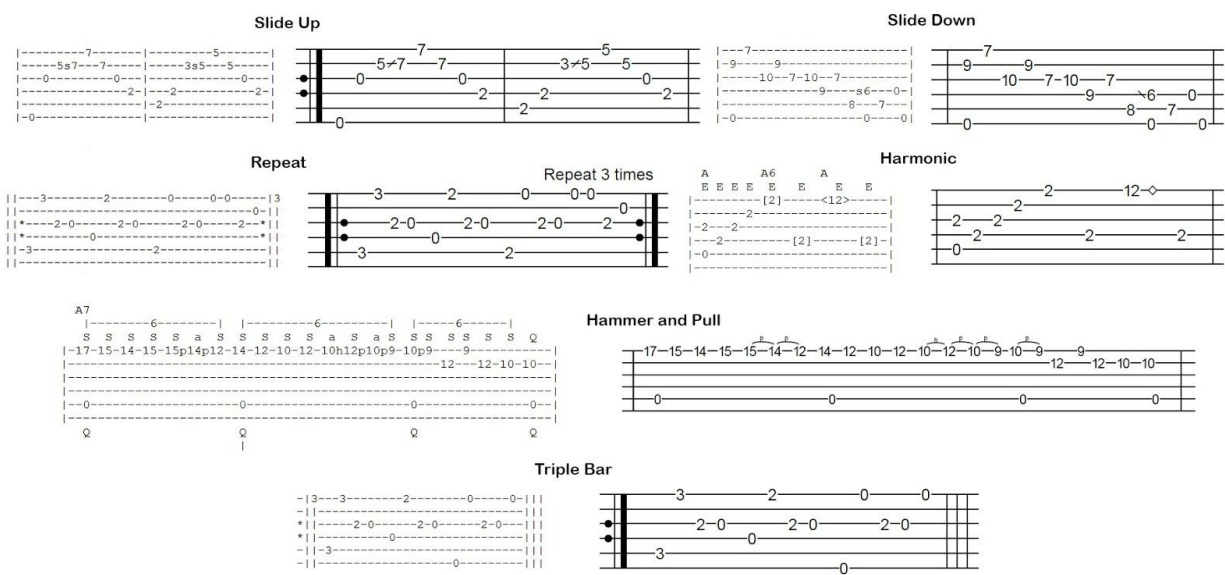Slide up
Slide down
Harmonics
Repeats
Triple bars

Figure 1: Symbols requirements that were converted from text to PDF.

The 4 sample input/output sets are as follows:

Sample input/output #1: Consists of vertical lines, dashes and number symbols with title, subtitle and spacing at the top. Other features seen are spaces and the letter p, h or s in front of or after numbers. The output file is in PDF format. Vertical lines indicate start/end of music bars, dashes are music lines for number symbols with hammer, pull and slide.

Sample input/output #2: Double and triple vertical lines, asterisks and braces surrounding numbers are introduced in the input text files. Decimal numbers were introduced for spacing. The output PDF displays repeat measures with a comment on top and triple vertical bar signifying the end.

Sample input #3: Features such as key, time and tempo wree introduced in the text.Various new music symbols were seen as well such as B, vertical lines, cII, etc. that appear above the music bars. Numbers also appear below the music bar. However, the client stated that these features don't have to be shown and that only reasonable output is required.

Sample input #4: More sophisticated symbols appear above and below the music bars that the client stated don't have to be included. Any new symbols can be ignored.

3. ACCEPTANCE TEST CASES AND ACTUAL OUTPUTS
3.1 Sample Input/Output #1

Figure 2: Sample Input Text File #1. Beginning, middle and end of text file is displayed showing most of the file.
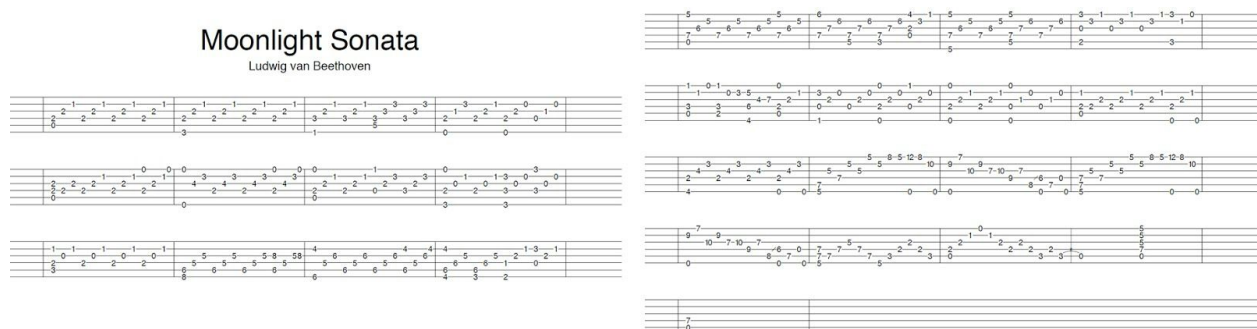

Figure 3: Sample Output PDF #1. Beginning and end of PDF shown to display most of it.
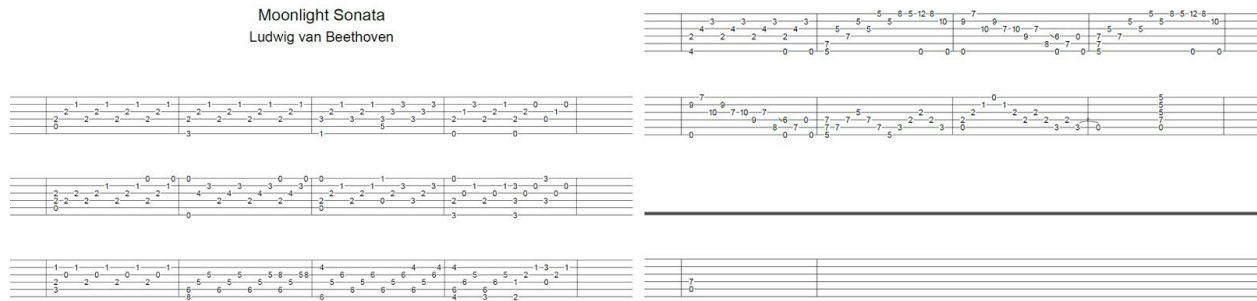
Figure 4: Actual Output PDF #1. Beginning and end is shown for comparison to sample (Fig. 2). Multiple page feature is displayed should the user want more than one page.

3.2 Sample Input/Output #2

Figure 5: Sample #2 Input Text File. Beginning and end is shown.

Figure 6: Sample #2 Output PDF File. Beginning and end is shown.

Figure 7: Actual #2 Output PDF. Beginning and end is shown. Multiple page feature shown again.

3.3 Sample Input #3

Figure 8: Sample #3 Input Text File. Beginning, middle and end shown.

Figure 9: Actual #3 Output PDF. Beginning and end shown.

3.4 Sample Input #4

Figure 10: Sample #4 Input Text File. Beginning, middle and end shown.

Figure 11: Actual #4 Output PDF. Beginning and end shown.