**Team Solo TAB2PDF**

Customer Requirements

1. The user interface needs to be able to get the program’s features across to the user easily and directly without any unnecessary features:
   * Basic mode or with extra features required to customize the tablature
   * Easy as possible to use without confusion in the program’s navigation
2. A ‘help’ option will be available for the program in order to clarify any confusions/misunderstandings for the user. The ‘help’ function includes a User Manual that explains the program in detail making the program easy to maneuver.
   * ‘Help’ will link to a webpage where this Requirements document as well as the Testing, Design and User Manual documents are available
3. The program will return error messages if the inputted file is either corrupt, incomplete or can’t be handled by the system to be able to find the problems in the input file and change them so it creates the PDF
4. The program will take in multiple inputs and convert them and then output them respectively into the designated output folder. If no folder is designated then it is outputted into the same destination as the input file
5. The output should be fine-tuned (i.e. Centered, numbers should be aligned, lines should be connected properly without cuts)
6. Spacing will be customizable through the program and be viable for the output to look representable and easy to look through
7. The bars that contain the notes should have a max ‘size’ per line in order for the output to not cover the entire page and be able to shift down a line in order to maintain its shape/structure for example, if input has 3 bars but only 2 can fit then place the excess on a new line
8. The file should be customizable by the user through the program. This means that the user should be able to edit the font, font color and font size in the program and also be able to play around with the spacing for the file
9. Input needs to be a .txt file (Notepad) with the required types of input for example:
   * Vertical lines, “|” for the bar
   * Dashes, “-” for the horizontal lines in the staves
   * The title and a subtitle should be made available in the text file along with the required spacing
   * “h” should be used between the numbers that require a hammer-on
   * “p” should be used when a ‘pull off’ is required
   * “b” for when ‘bending the string up’ is used
   * “r” to release the bend
   * “s” for a ‘slide-up’ represented as ‘/’
   * <12> is a harmonic on the 12th fret and is represented as “12◊”
   * “\*” for when a repeat is needed
   * “||” for a double bar
   * “|x” to repeat a bar ‘x’ amount of times should be placed at end of required bar
   * “|||” for a triple bar
10. Music playing will be implemented into the program in order to make sure the converted file sounds correct and the sample music played would work as an example of how the user should play the song
11. The User Manual will contain detailed explanation of how to maneuver through the program making it very easy to convert the tablature to a pdf file with various customizations. These are possible because of the easy to use GUI, making use of multiple tabs for switching between a basic conversion to an advanced conversion and a ‘help’ tab.
12. The Testing document contains all of the different tests that have been conducted in order to identify any bugs or problems that occur or could occur during the usage of the program and remove them or fix them. It also shows the different approaches we used to identify such issues within the program
13. The Design document