ChordSheetWriter

documentation

Krzysztof Murawski

Installation

Click [here](https://github.com/KrzysztofMurawski/ChordSheetWriter/releases) and download ChordSheetWriter\_setup.exe file from the latest release on GitHub repository.  
After downloading the setup file, open it and proceed with installation.

A screenshot of a computer screen

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A screenshot of a computer

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You can create desktop shortcut here.

A screenshot of a computer

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After installing CSW you will need to install latest version of **MiKTeX** on your system if you haven’t done this already.

Go to [this website](https://miktex.org/download) and download Windows installer.  
  
A screenshot of a computer

Description automatically generated

Download and install MiKTeX. You can verify that you installed it correctly by launching CSW.  
If you don’t see any popups or error messages that means you start working on your first chordsheet.

Source code structure

ChordSheetWriter  
|  
|--- resources/  
| |  
| |--- config.ini  
| |--- preamble.txt  
| |--- icons/  
|   
|--- src/   
| |  
| |--- app.py  
| |--- config\_provide.py  
| |--- input\_parser.py  
| |--- tex\_generator.py  
| |--- music\_sheet\_elements.py  
| |--- syntax\_validator  
|  
|--- README.md  
|  
|--- LICENSE

main() function

Calling the main() function from app.py module does the following thing:

* Check for proper MiKTeX installation
* Configure logger from the logging module
* Initialize QApplication object
* Initialize MainWindow object
* Execute the application

main() function takes one optional argument file\_to\_open. This is a path to a project file to open on startup. It is used to open .chordshhet files with CSW app. Opening a file with CSW app passes this file’s path to the app as a command line argument which is then read and passed to main() function.

MainWindow class

Initializing MainWindow is done in main() function. As in the main() function, it takes file\_to\_open optional argument.

MainWindow has four project-specific attributes:

* Project name – project’s base file name
* Project directory – directory that the project resides in
* Project path – full path to project’s file
* Text input – Qt widget that stores input content from the editor

Opening new or existing project requires to change each of these four values.