DigiPiano

Overview

DigiPiano is a basic piano application that allows users to learn the basics of how to play the piano without reading sheet music in a follow-along style. It's focused towards pianists that are brand new to the piano, however it can be used by all skill levels. It is 100% free for everyone to use, does not require any kind of account, has several customizable features, and gives users access to a piano without being forced to purchase one.

Prerequisites

→ Have access to a computer with a terminal (Can be either windows, linux, or mac, but windows is preferrable)
→ Have a code editor with access to python code such as Visual Studio Code, PyCharm, or Atom IDE

Installation

→ Navigate to the public repository kaylie-a/cs3300-group
→ Navigate to the light green button that says Code, and press the little greeen arrow
→ Click Download ZIP
→ Navigate to where the ZIP folder was downloaded on your computer
→ Select the folder, and extract all
→ Double click on the folder after extracting it, and should see all the github files
→ Open your favorite python code editor, and open the extracted folder
→ Open the DigiPiano.py and main.py files as well as your computer terminal
→ Pip install all the python modules inside your computer's terminal that are currently not installed (the ones underlined in yellow)
→ Finally, also inside of your command prompt, cd to the relative file path where the downloaded folder is, and update your environmental path variable using the command similar to this with your specific file path $Env:Path = 'C:\Users\mrh3h\Documents\VirtualPiano\fluidsynth' + $Env:Path (Use your file path not this one)

→ From here, you should be able to run the code either from the command prompt running python main.py, or by just running the executable (but the code will not be updated from just changing DigiPiano.py)

Troubleshooting

Did you accidentally forget to unzip the downloaded zip folder?

→ Go back to where the folder was downloaded, unzip the folder, and continue to follow the installation process

Are you getting an error regarding an import error saying (FluidSyncth library)?

→ This error is being caused by the environment path variable and needs to be updated correctly

→ Double check the command written in your terminal, and make sure it's written with the proper command syntax

Are some the python modules underlined in yellow within your code editor?

→ This means your forgot to pip install the modules

→ Pip install each of them inside of the command prompt, restart your python interpreter, and try it again

Contribution Guidelines

All code is marked for reuse, but if you have any questions regarding contribution guidelines, please contact kaguila@uccs.edu

Licensing

→ Using a MIT license

→ Permission is granted to use this software as wanted

→ More information about our license can be found on the GitHub or here cs3300-group/LICENSE at main · kaylie-a/cs3300-group

Additional Questions?

→ If you have any additional questions, please email kaguila@uccs.edu and we will email you back within 1=5 business days