

Working Prototype Known Problems Report

AutoAudio

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- Program does not have compatibility with chords (multiple notes played at the same time)
 - Research into the use of Fourier algorithms may allow for implementation of chords
 - Possibility of using existing libraries
- Pressing “Stop Recording” very quickly after pressing “Start Recording” raises an exception. However, the program remains functional.
- Pressing “Stop Recording” immediately when the user has recorded no sound raises an Index Error, but the program remains functional.
 - From a user’s perspective, this is acceptable, as a recording of no sound likely has no use for a user anyway.
- The program does its best to filter out background noise, microphone errors, and overtones. However, depending on sound and mic quality, if a false note has a long enough duration, it will still be displayed on the score.
- Frequencies from the upper and lower 1-2 octaves on a piano are not picked up correctly by most microphones, and will likely cause more false notes to be displayed on pdf.
 - This is a hardware issue; the user would simply be required to utilize a higher-quality microphone.
- Clicking the “X” in the top right corner while the program is recording does not stop the program from running: it only makes the GUI go away. Only clicking “Quit AutoAudio” truly exits the program.
 - Pressing the “X” when the program is not recording exits the program correctly.
- While the Backend works on all tested Operating Systems, the GUI will only function correctly on Windows.
 - Must run program on Windows to use GUI
 - Modifications may have to be implemented to allow compatibility with other operating systems