Hello people on Github,

For those of you visiting for the first time or early on, you may not know what plans I have for this project, or what the finished project is going to look like If I am able to do so. So here in this document I am going to go over some of the plans for the future of this project.

Personal Objectives:

1. Combine my passion in programming with another passion in music.
2. Practice my front-end and back-end development skills.
3. Potentially integrate an AI component in the future
4. Bolster my resume by showcasing my skills

Program Main Objectives:

1. Create a working piano that can be played either with the mouse or the keyboard, as well as key remapping functionalities.
2. Create functionalities to play pre-made sounds. For example, we would press 3 to play the harmonic minor scale for a sharp, or you could bind a key to a chord.
3. Add the ability to record and save certain sounds or songs, adding them to the library to be reclaimed later.
4. The functionality to play in tandem with saved songs, allowing for compositions

Program Minor Objectives:

1. Add features present on actual pianos like the sustain pedal.
2. Effectively implement features that allow for the changing of speed.
3. A full production version of the program

Program Questions:

1. Will I be able to find a way to use AI in the program through training the program to listen to certain notes, and identify these notes with accuracy?
2. Will I be able to figure out a way to turn these saved sound files back into code, or will it just be a playback from the .wav file?
3. Is question 2 the solution to question 1?