Violin Music Synthesizer

ABSTRACT

11 different notes, played at 4 different time signatures each, are stored in a total of 44 different .wav files.

By means of a GUI, the user is presented with a kind of a sandbox experience. From the 44 available notes, they can put any number of notes in any order (I'm hoping to achieve this by means of a drag-and-drop mechanism) and by hitting the play button, the application will play those notes in sequence, effectively making music (?). Users have the freedom to experiment and try out new combinations of notes each time. Due to the lack of an audio set containing individual notes, each note will be recorded from scratch, resulting in a simplistic implementation of this "Violin Synthesizer"

Initially, the app will support only 4 time signatures, all played in A-major:

1. Semi-breves
2. Minims
3. Crotchets
4. Semi-quavers

If successfully implemented, I can then work on improving it to include demi-semibreves and other scales as well.

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