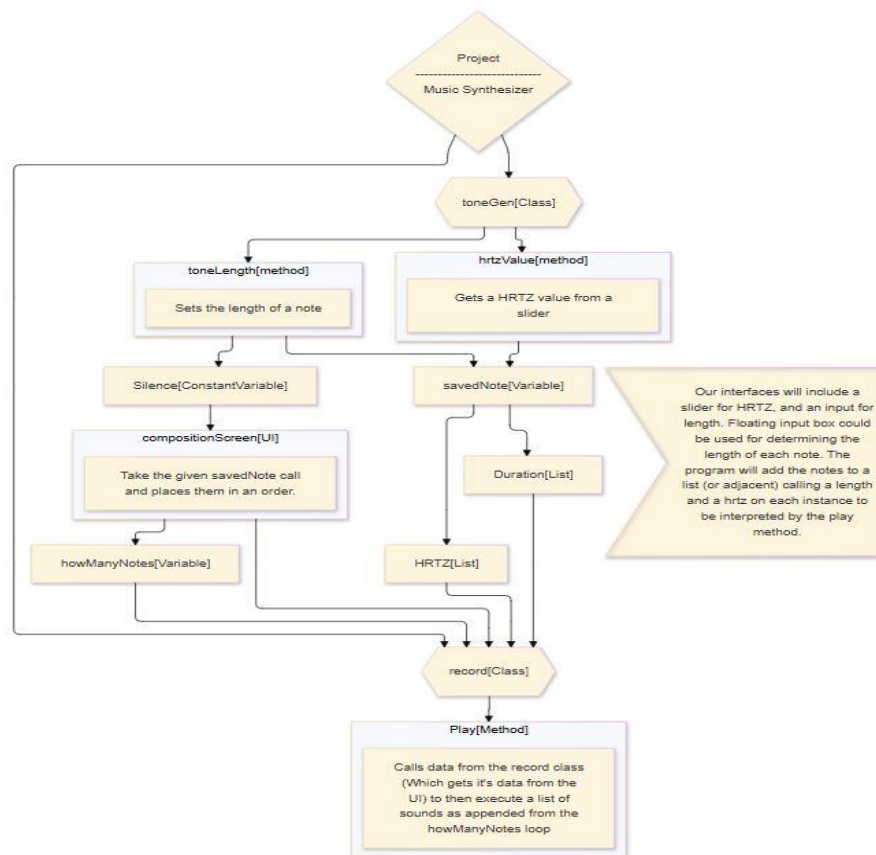


The Music Synthesizer

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Team name: Super Sonic Synths

The idea of The Music Synthesizer stems from a love of music and the creation of it. However there is a problem... All the good synthesizers cost money... A lot of it. So, what if we make a fully customizable Synthesizer? Thats how this project was born. Starting out with single-track piano, we plan to be able to record and play songs made using HRTZ, (or the predetermined piano notes). If we can alter the sound and length of our notes, we can compose anything!



This project will likely take a few months for a demonstration to be ready. With the main hurdles revolving around our lack of knowledge when it comes to the UI development end of this project. Our logic seems to align with how this would theoretically work (See attached UML diagram). So our foundation seems solid. To accomplish this task we will be developing 2 classes that draw data from the provided UI elements of a slider and an input box. One class to make a note and the other to play said note in a list of notes (a song). Overall, this project will be both challenging yet achievable during our time learning Java.