Amon R Sthapit  
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PL Project Deliverable #2

I am still trying to properly lay out the structure of the language and how a sample program would look like. I am also thinking about what keywords and built-in functionalities to support in the language (I guess something like a standard library but trying to keep it reasonably small). I have not started on the scanner or parser or interpreter yet.

In terms of the overall flow of how the language would be processed by the scanner and parser, and then interpreted by the interpreter, which would turn the sequence of statements into a midi file and then convert that midi file into an audio file. The interpreter will be written in python and there are some nice libraries in python for midi handling. There is a python library for helping with writing midi files, and there is also a python wrapper for the fluidsynth api that allows converting a midi file to an audio file.

My struggle is with still trying to decide how the structure of the language should be.  
Currently I plan on supporting adding musical notes by specifying the string/position on the guitar and some standard musical chords.

My next steps are to finish designing the structure of the language and deciding what kinds of statements and keywords to support in the language. I will then move on to designing the scanner, parser, and interpreter as well as converting the code into a midi file and a audio file.