EsAC to Clay: **EsAC** Input Specification

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EsAC Input Specification

The EsAC input files should have the following format:

For the KEY line:

- TUNENAME is the name of the tune, and will be the name of the resulting Clay program
- SHORTESTNOTE and METER are ignored for the purposes of this program.
- TONIC is the key signature (fitting the regex [A-G]).

For the MEL section:

- Each line is a phrase made up of one or more BARs separated by two spaces.
- Each BAR is made up of digits fitting the regex [0-7], #, b, +(plus), -(minus), (underscore), and .(dot).
- Each digit in a BAR represents a note in relation to the tonic, except for 0, which represents a rest.
- Each underscore following a digit means to double the duration of the note.
- Each dot following a digit means to multiply the duration of the note by 1.5.
- Each plus preceding a digit means to raise the note an octave.
- Each minus preceding a digit means to lower the note an octave.
- A # following a digit means to play the note sharp (raise a half-tone).
- A b following a digit means to play the note flat (lower a half-tone).
- The section is closed by the string "//]".

Other lines in the EsAC specification are ignored for the purposes of this program.