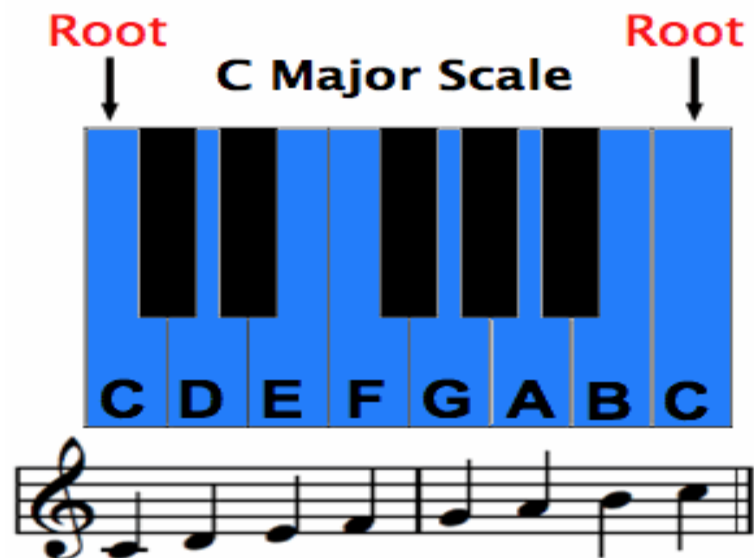# Hasmusikell

Feature Specifications

- Requires a title of song in order for the program to run (will throw out error warnings)
- Optional uses of flats and sharps
- Tempo is default as common time
- All notes must equate to 4 beats per measure unless otherwise mentioned
- Sheet music always starts at middle C unless specified

Configuration Characteristics

- Each note has a specific duration in terms of beats
- If sharps and flats are not defaulted, it can be added within the stanzas, and as well as naturals
- Notes can be played octaves up or down
- Filters out the last stanza of the sheet music to however played out

Definitions
- BPM (beats per measure)
- Measures consists of 4 beats
- Durations for each note are followed as:
    1. 4 is a quarter note (1BPM), 3 is dotted half (3BPM), 2 is half (2BPM), 1 is full (4BPM)
    2. C' (represents C an octave up), C_ (octave down)
    3. | separates each measure
    4. \n splits to new stanza
    5. nC is natural C, bC is flat C, and #C is sharp
    6. [(C,D,E]1) is a full chord note

Basic Example (Numbers represented by line numbers)

1. title: Yo-ho-ho
2. flats: BCD
3. C4 C4 C4 C4 | bD1 | nE2_ F2' | D3 C4_ | \n