1. **Mini-World Description**

The RandoMIDI project has many elements. These elements are Motifs, Notes, Instruments, Songs, Chords, Progressions, Rhythms, RhythmDuration, Scales, Durations, and InstrumentsInSongs. Motifs contain and identifier, a name, octave range, tone, and an accidental. A motif has notes. Notes contain octaves, tones, and accidentals associated with them. Instruments contain a name, range, and role. The range of the instrument consists of notes. Songs contain a name and a tempo. Songs have notes, scales, chords, progressions, and instruments in the song. Chords contain a name. A chord has notes and a duration. It can also be a part of a scale. Progressions contain an identifier and a name. Progressions have a number of chords. Rhythms contain an identifier, measures, and time signatures. Rhythm Durations contain an identifier and a name. Scales contain a name and a mode. They also have notes and the range differs based on the instrument. Durations contain a rest length and a name. InstrumentsInSongs contains a name.

First attempt which I based off of the wrong file:

Motifs are short patterns of rhythmic and tonal elements. They have a style and notes associated with each motif. Notes are simply the collection of notes within the 88 key piano range. Notes can be part of a scale and have an octave assignment. Tempo is the speed of a piece of music. To state the obvious, tempo must have a speed attributed to it. Finally, instruments are the set of available MIDI instruments. An instrument has two effects, chorus and solo, and an instrument assignment, e.g. “Guitar” or “Piano.”