# Project 5: EarSketch Song

## Overview

Using Python and EarSketch you will create a complete song consisting of 2 verses, a chorus, and a bridge. We have worked in class to practice creating sections of songs. We’ll use that knowledge to create a song using the samples we are given.

### Behavior

* The song will have pattern (verse, chorus, verse2, chorus, bridge, chorus)
* Create 4 different variables that will hold your choice of audio constants.
* The verses should contain some of the same forms, but be independent.
* The project should have at least 4 tracks, and each track should use a different/unique sound file (different constant).
* Each verse should consist of at least 8 measures.
* The chorus should consist of at least 8 measures.
* The bridge should consist of 2-8 measures.
* The song should have a flow and underlying themes that recur via the use of variables.

### Implementation Details

* Use of for loop for creating tracks
* Use of control flow operators
* Proper use of fitMedia, makeBeat, setEffect
* Use of user-defined functions for tracking forms and verses and choruses
* Use of return statements for tracking the measure

## Grading

### Scheme/Rubric

|  |  |
| --- | --- |
| **Functional Correctness(Behavior)** |  |
| Song Runs and Plays | 5 |
| Recognizable Chorus vs Verse | 10 |
| Correct Length | 5 |
| Contains some reoccurring themes | 5 |
| **Sub total** | 25 |
| **Technical Correctness** |  |
| Correct use of loop | 5 |
| Correctly uses control flow | 5 |
| Correctly use of fitMedia, makeBeat, setEffect | 10 |
| Use of user defined functions for choruses, forms, verses | 10 |
| Keeps track of measure using return statements | 15 |
| **Sub total** | 45 |
| **Total** | 70 |

## Copyright Note

The above is adapted from the earsketch teaching resources.