

Week 13:

- Program and debug the algorithm for detecting a single note strummed so the output of the program is only a single note, not a constant stream while the string rings out.
- Test:
 - Strum notes(same fret) slowly and let them ring out. Make sure the correct amount of notes are output, not just a constant stream.
 - Strum notes(same fret) very fast and make sure the the correct amount of notes are still output.
 - Strum notes(different frets) slowly and let them ring out. Make sure the correct amount of notes are output, not just a constant stream.
 - Strum notes(different frets) fast and make sure the correct amount of notes are still output.

Week 14:

- Prepare a lesson so the user can play the lesson by pressing a button and start the lesson. Lesson should be simple scale that also has the ability to show expected notes at expected times. Preview of the lesson only needs to be output to the console, no GUI required at this stage.
- Test:
 - Make sure the lesson, programmed using Java is able to stored in arrays of expected frequencies, expected times, and expected note values.
 - Make sure the lesson is properly played back to the user when prompted.
 - Output of the arrays is possible and in an understandable format.

Week 15:

- Combine the elements so the user may tune their bass, hear the lesson preview, see the lesson preview, and attempt the lesson. Feedback of the lesson should be able to be given back but no "recommendations are expected at this step. The system should be able to be able to simply tell the user when they were wrong at certain times and show them when they are correct.
- Test:
 - Use the system to tune the instrument and compare results using a working tuner
 - Preview the lesson through audio and visual output, make sure it is correctly output on the screen.
 - Try the lesson out and examine feedback.
 - First attempt the lesson without actually trying to be accurate to make sure the feedback is able to distinguish the incorrect notes and times.

- Second attempt the lesson while actually trying to do well so the system has to distinguish the incorrect and correct notes/times.