

Syllabus Prep

Matthew Balleza

Apache 2.0

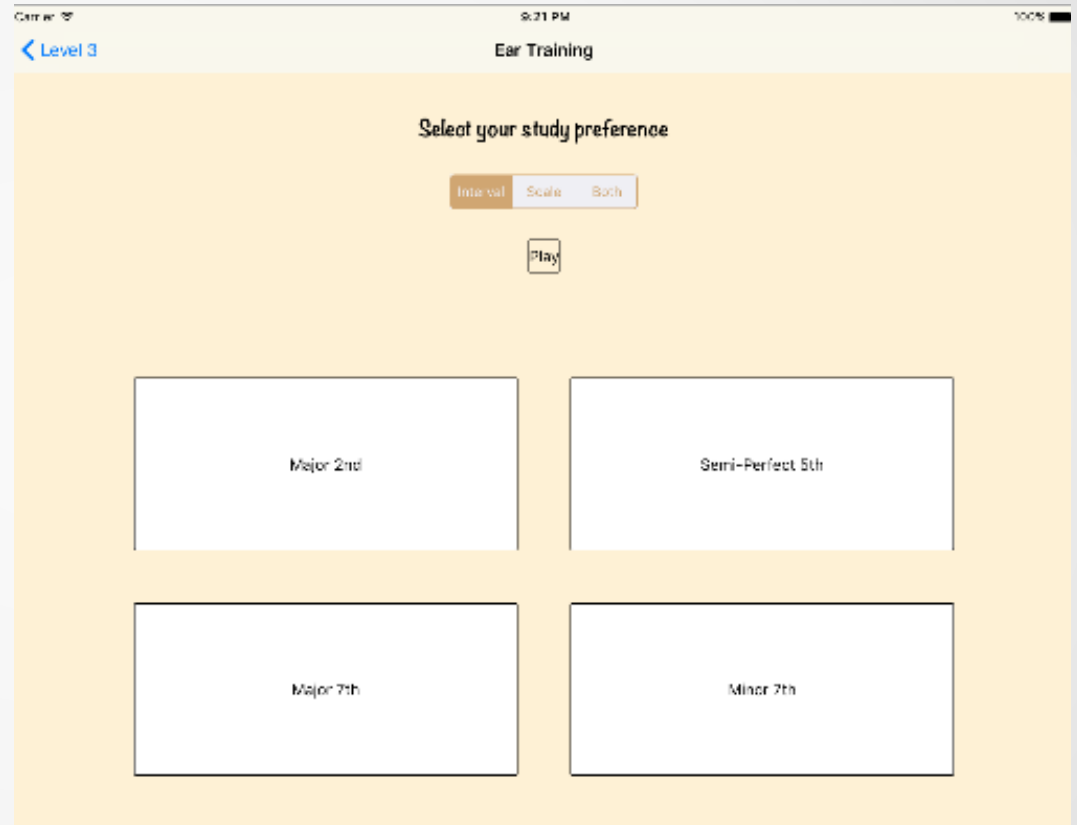
matthewballeza@gmail.com, mballeza@pdx.edu

Syllabus Prep

- OMTA – Oregon Music Teachers Association
 - Students, teachers
- Syllabus Test Competency
 - Ear Training
 - Rhythm Reading
 - Sight Reading

Syllabus Prep

- Ear Training
 - Adjusts music theory set by level
 - Intervals, Chords, and Scales/Modes
 - Random notes



Alternatives

- Online resources
 - Musictheory.net
- Music teachers

What Worked

- Learning basics of Xcode, Swift
- MIDI playback
- Combining music theory with MIDI tools

Challenges

- iOS UI constraints in Xcode
- MIDI playback
 - Uses `usleep()` for space between notes
- MIDI sound patches with other MIDI tools

What I learned

- Basics of Xcode, Swift
 - UI
 - Simulator

Future Improvements

- UI
- Adding rhythm/sight reading
- Performance, memory usage
- Fix MIDI playback
 - `usleep()`

Github

- www.github.com/mballeza/Syllabus-Prep