

Test Plan

App Title: Polyphony

Authors: Shayne Hubbard and Gabriel Siu

This app helps students learn counterpoint. Students can decide on a species from 1 to 4 and a key and then input a Cantus Firmus or have the option of generating one. After writing the counterpoint, the app will grade the counterpoint and the student can correct errors.

Instructions: Tap buttons to select a species and key. Decide whether to write your own or generate a Cantus Firmus. Write a counterpoint using the buttons: select a note value from the left side and tap once on the staff to place a note. Tap on the note once to change accidentals. Tap twice on the note to delete it. Hit the grade button to grade your counterpoint, with the option to correct. Press the play button and listen to the counterpoint being played back.

Controls: Tap notes on the sidebar to select them. Tap on the staff to place the note. Double-tap on the note to delete it. Tap on the grade button to grade the counterpoint.

5 tasks:

- _ Add a note: Create a note on the staff and off the staff (ledger lines)
- _ Modify a note: Tap on note and make it sharp/flat
- _ Delete a note: Delete a note from the staff, and make sure you can put a note back into that position
- _ Write a counterpoint, push the “grade” button, and see if the grading is correct (e.g. add parallel fifths, augmented or diminished intervals, etc.)
- _ Press play and listen to the counterpoint being played

Comments:

Additional comments and suggestions?