Music Coach – Test Plan
Aaron Wishnick, Andrew Jenkins, Andrew Li
===

Description:

Music Coach will be an iOS application which acts as a platform for learning music theory. It will feature a piano keyboard input interface which allows students to construct scales, chords and any other necessary answers to questions. The app will ship with default questions, however, teachers will be able to create custom lessons and share them with their students as well. Upon completion of questions, the piano keyboard will respond with green and red keys for correct and incorrect answers respectively.

Brief Instructions:

Lessons can be selected from the top left. Based on the type of question, the input method varies from an on-screen keyboard or as a multiple choice option. In answers which require the keyboard, the answer can be edited by tapping on the note to be edited and playing a new key.

Controls:
    Keyboard Question:
            Lesson plan can be accessed from the top left of the screen. The question is located at the top of the page. Answer is inputted using the keyboard at the bottom of the screen (touch to enter note), and the corresponding note is rendered on the staff. The answer can be resetted or the last note entered can be deleted using the buttons on the bottom right of the screen. The answer can be checked and submitted using the "Submit" button on the bottom right. More help on the question can be shown using the "Help" button on the bottom right of the screen.
    Multiple Choice Question:
            Navigation is the same as the keyboard question. Answers can be selected by choosing the corresponding radio button. Answers can be submitted by pressing the "Submit" button. More help on the question can be shown using the "Help" button on the bottom right of the screen.

Test Plan:
1. **Basic Navigation**
   - Navigate to main interface page from main menu
   - Press the lessons button
   - Select any lesson
   - Press the lessons button again
   - Navigate to a different lesson
2. **Answering Multiple Choice Questions**
   - Navigate to main interface page from main menu
   - Press the lessons button
   - Select the Clef and Notes lesson
   - Select the correct answer
   - Press submit
   - Correct the incorrect notes by selecting the highlighted notes and replacing them
3. **Answering Questions using the Keyboard**
   - Navigate to main interface page from main menu
   - Press the lessons button
   - Select the C-Major scale lesson
   - Enter the correct answer (C D E F G A B C)
   - Press submit
4. **Correcting Mistakes with the Keyboard**
   - Navigate to main interface page from main menu
   - Press the lessons button
   - Select the C-Major scale lesson
   - Enter an incorrect answer
   - Press submit
   - Correct the incorrect notes by selecting the red incorrect notes and replacing them with the correct ones
   - Press submit again
5. **Obtaining Extra Help**
   - Navigate to main interface page from main menu
   - Press the lessons button
   - Select any lesson
   - Press the help button (bottom right)
   - Read the info which appears regarding the question
   - Return to the questions screen by pressing the "Back" button