

-- OnPitch Test Plan --

Title: OnPitch

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Description: OnPitch is a tool for singers and musicians with instruments with continuous pitch. It provides visual feedback on short recordings of the musician playing along to pieces of “reference” music that are loaded into the app from a MIDI file. It can be used to analyze the play style of the musician (e.g. seeing that they come in flat in a particular part in the tune).

Instructions:

- When the app opens, if no file has been loaded yet, use the “Load File” icon at the top of the screen to import an existing MIDI file that you wish to play/sing along to. You can use Dropbox or iTunes to import files.
- Once the track has loaded, set the desired tempo and volume at which you wish the track to play, using the corresponding sliders.
- Press the play button and begin singing/playing along with the track, and watch as your pitch is overlaid on top of the correct pitch.
- You can also pause, stop, and reset to start over.

Controls:

- “Load File” icon for importing a MIDI file
- Play, pause, stop, and reset buttons
- Tempo and volume sliders for changing playback settings
- Metronome on/off switch
- Pan and pinch the main staff to scroll along different parts of the track
- Use the overlaid scroll panel for faster scrolling
- Set the playback sound in a settings popover (piano, voice, or trumpet sound)

Tasks:

1. Load a file and make sure that it parses correctly. Make sure to try different octaves.

Comments:

2. Play a pitch you know is correct (e.g. a piano that’s in tune, a pitch pipe, a sine wave) and make sure that it detects it correctly.

Comments:

3. Try different permutations of play, pause, stop, and reset. They should function as expected.

Comments:

4. Pinch and pan the staff. Note distances should scale and translate correctly.

Comments:

5. Test out the metronome for different tempos to make sure it's on beat with the track being played.

Comments:

Additional Comments: