

The Music Assistant

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Summary

The Music Assistant is a tool to aid students practice singing for their choir outside of class times. The Music Assistant also helps teachers by identifying where the students need guidance.

Motivation

- Choir students need to practice their performances outside of class, but it can prove difficult to know whether or not they're improving
- Choir teachers don't necessarily have the time to aid each student individually in the given class times

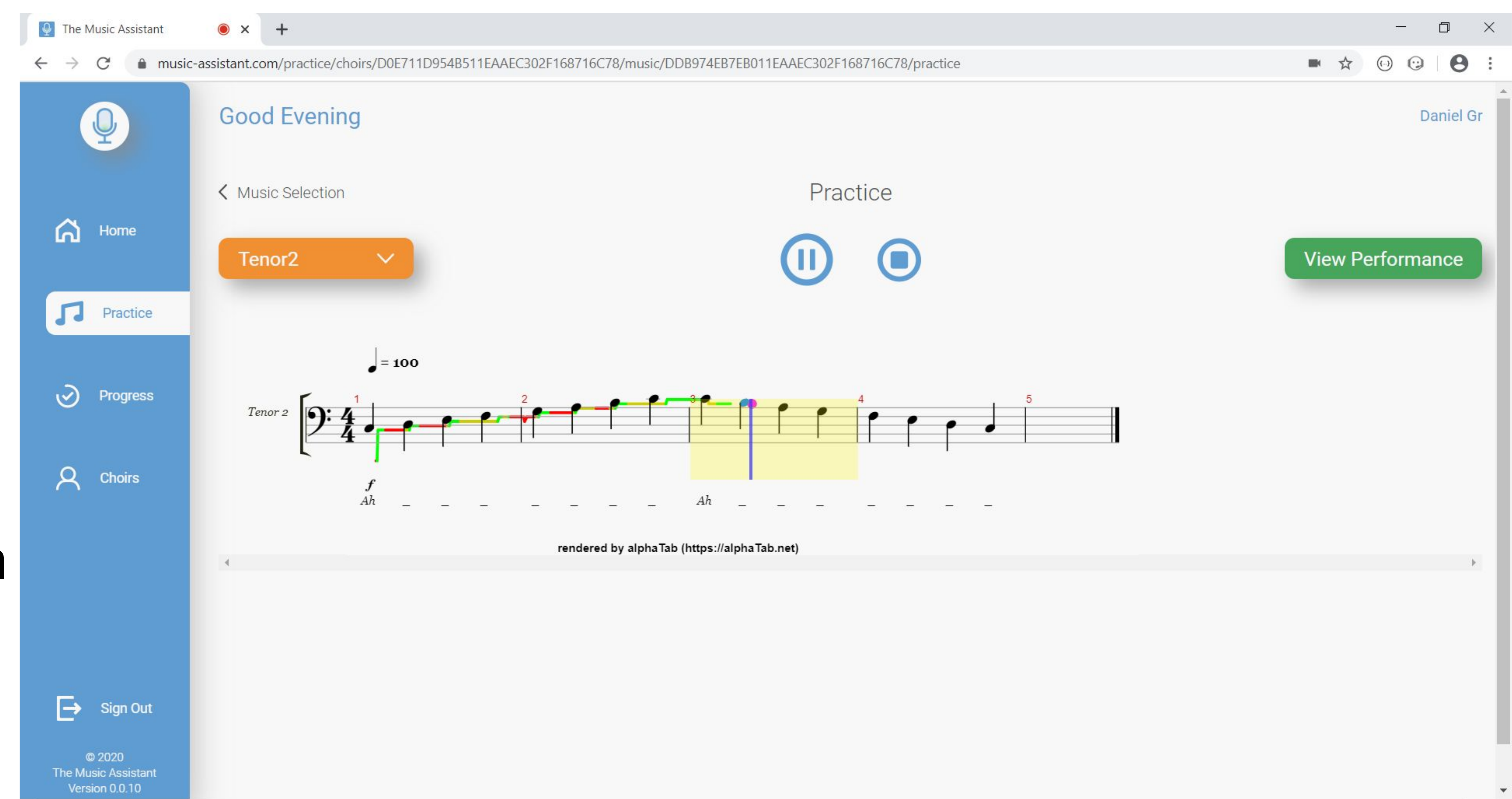
Goals

- Provide real-time feedback to students as they sing along with sheet music
- Suggest exercises to improve the specific student's performance
- Provide teachers with an overview of student proficiencies to aid them in planning lessons

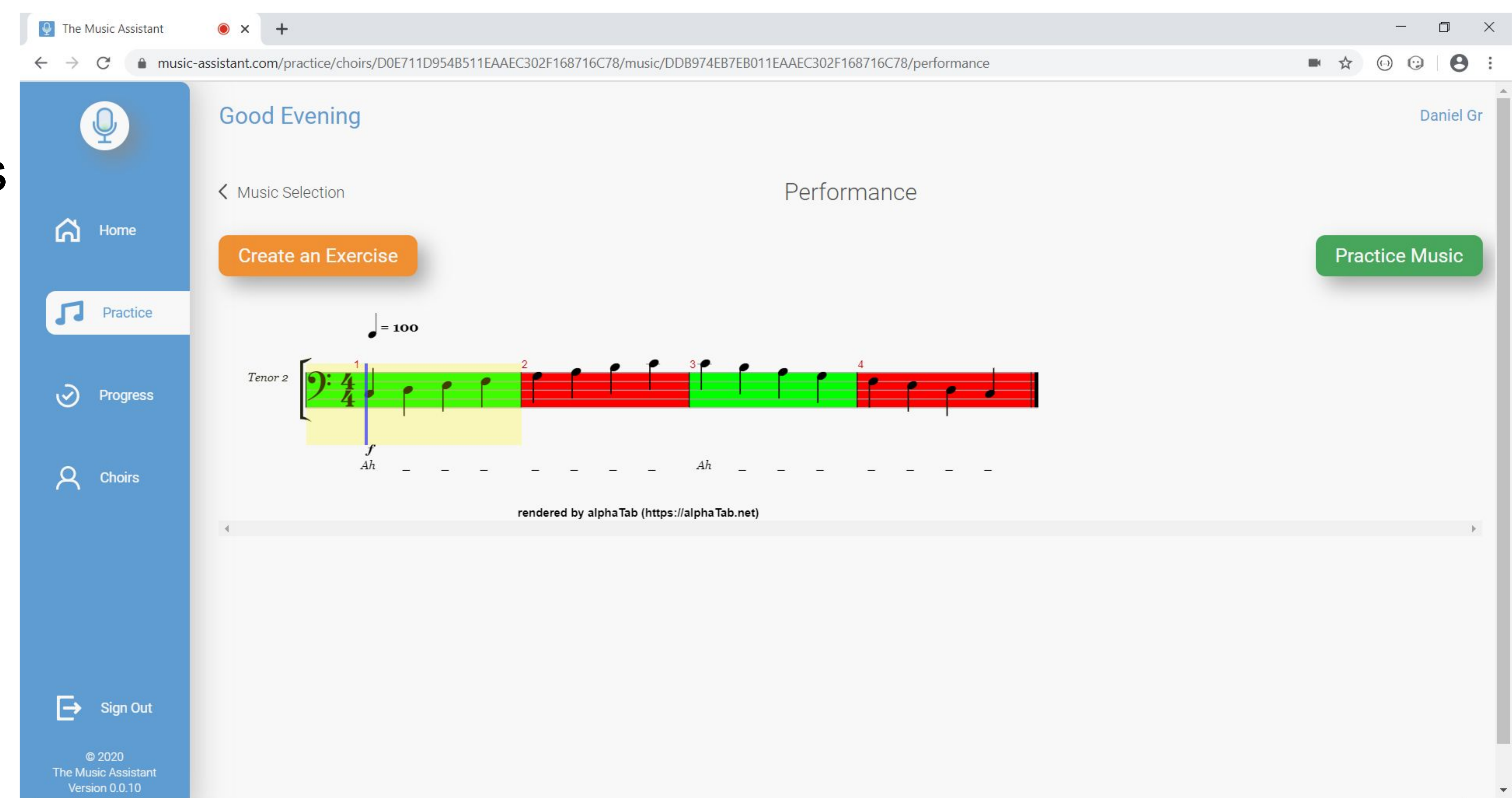
Future Improvements

- Detect similarities in sheet music to better identify problematic patterns for students
- Improve statistic views for teachers (currently in database)
- Import sheet music

Real-Time Feedback



Post-Performance Analysis



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