

The Music Assistant

Milestone 5 • March 30, 2020

Overview

- Current Progress Matrix
- User testing (Florida Tech and EFSC)
- Website updates
 - New design
 - Choir members page
 - Updated practice page
 - Performances page
 - Exercise page

A scenic view of the Florida Tech campus. In the foreground, there's a pond with a fountain in the center. To the right, a large, modern building with a white dome and brickwork is visible. The sky is clear and blue. The overall atmosphere is bright and sunny.

Milestone 5 Tasks

Current Progress

Task	Completion %	Daniel Griessler	Dan Levy	Javier Muñoz	Todo
Complete a Cycle of User Testing	30%	10%	10%	10%	Get users to actually use it
Create Poster	0%	0%	0%	0%	Pushed to Milestone 6
Design and Code the Home Page	0%	0%	0%	0%	Put in the backlog. We have other tasks that are more important right now.
Design and Code the Music Selection Page	100%	0%	100%	0%	None.

Current Progress Cont.

Task	Completion %	Daniel Griessler	Dan Levy	Javier Muñoz	Todo
Design and Code the Exercise Practice Page	100%	50%	50%	0%	None.
Design and Code the Choir Page	100%	0%	100%	0%	None.
Design and Code the Member Accept/Reject Page	0%	0%	0%	0%	Put in the backlog. We have other tasks that are more important right now.
Design and Code the Add/Join Choir Flow	0%	0%	0%	0%	Put in the backlog. We have other tasks that are more important right now.

Current Progress Cont.

Task	Completion %	Daniel Griessler	Dan Levy	Javier Muñoz	Todo
Finalize Exercise Generation	60%	20%	0%	40%	Need to confirm tool's recommendations concur with a human.
Finalize Analysis Verification	100%	20%	0%	80%	The final bugs in the analysis were confirmed to be errors in the test file, analysis (i.e. measurement of note/duration) is accurate barring microphone issues.

User Testing

- Versions 0.0.1 and 0.0.2 deployed to Florida Tech choir under Professor Dopira and to EFSC choir under Dr. Lamb
- Goal:
 - Establish a base line
 - Introduce exercises and feedback to some members
 - Monitor progression
- Outcome: Handful of users actually participated, didn't get past establishing a base line

New Design

- More user-friendly
- Fits our overall layout better
- More room on the page for the main content

Updated Practice Page

- Practice page was a POC when we began user testing
- Redesigned the page
 - Dropdown for part selection
 - Updated play, pause, and stop buttons
- Refactored the logic behind the practice page
- Lots of bug fixes
 - Handle either the lack of a microphone or denied access to the user's microphone

Performance Page

- Shows the latest performance using green, yellow, and red highlighting
- Exercise generator
 - Select start and end measures
- Ability to flip-flop between the practice page and performance page for a given song

Exercise Page

- Very similar to the performance page
- No track selection
 - Would like to add this later

Exercise Generation

- Our tool currently recommends a measure for students to perform
- However, we need to make sure that the teacher agrees with the recommendations
- Moving forward, we want to recommend phrases for the user to practice

Demos

Website Updates

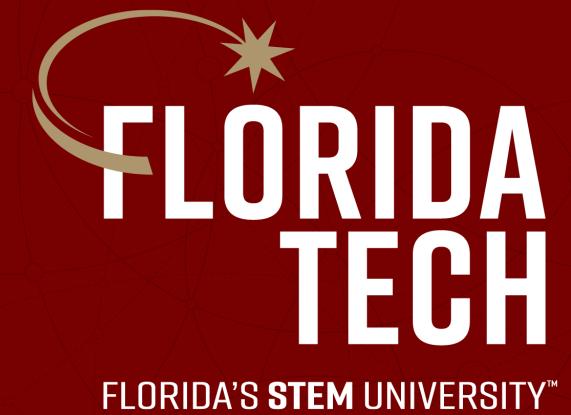
- Show new pages

A scenic view of a large, calm lake on a university campus. In the background, there are several modern buildings with brickwork and glass windows. A fountain is visible in the center of the lake. The foreground is filled with lush green trees and bushes, with some tall grasses in the immediate foreground.

Next Milestone

Tasks

Task	Daniel Griessler	Dan Levy	Javier Muñoz
Create Poster and E-Book Page	33%	33%	33%
User Manual	33%	33%	33%
Release 2nd round of testing	33%	33%	33%
Fine-Tune performance grader	30%	0%	70%
Add sheet music notation guide	100%	0%	0%
Integrated Communication Tool	50%	50%	0%
Clean up Website Code and Fix Remaining Bugs	10%	90%	0%
Come up With Ideas for Statistics	33%	33%	33%
Detect Similarities in Sheet Music	10%	0%	90%



Questions?

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