

# 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 Florida Tech's campus. In the foreground, a calm lake reflects the surrounding buildings and trees. A fountain is visible in the center of the lake. On the right side, a large, modern brick building with a prominent white dome and circular windows is visible. The sky is clear and blue. The overall atmosphere is peaceful and academic.

# 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 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

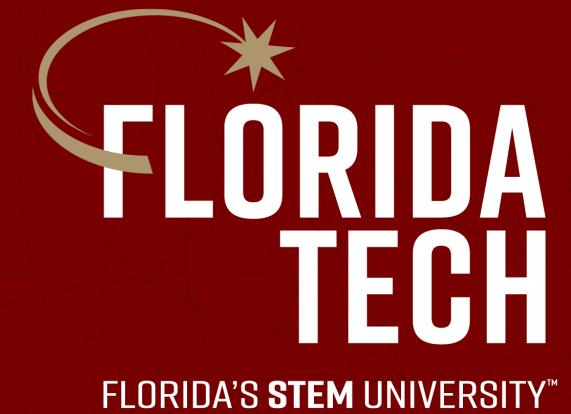
- Show new pages

A scenic view of Florida Tech's campus. In the foreground, a large, calm lake reflects the surrounding buildings and trees. A fountain is visible in the center of the lake. On the right side, a large, modern brick building with a prominent white dome and a circular window is visible. The sky is clear and blue. The overall atmosphere is peaceful and sunny.

# 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?

The Music Assistant • Milestone 5