

EE/CPRE/SE 491 BI-WEEKLY REPORT 6

April 3, 2020 - April 16, 2020

Group number: 56

Project title: Sound Effect Devices for Musicians

Client &/ Advisor: Dr. Randy Geiger

Team members/role:

Dalton Sherratt: App programming

Eric Stablein: Signal processing, meeting facilitator

Zach Besta: Signal processing, meeting scribe

Period summary

Over this period, the group continued the process of integrating the various effect modules into the main application. The group also finalized a set of deliverables for after the university closure.

Past period accomplishments

Name	Individual contributions	Hours these two weeks	Total hours this semester
Dalton Sherratt	<ul style="list-style-type: none">● Updated the project testing plan<ul style="list-style-type: none">○ In-person testing with musicians will not be feasible during the university closure○ The new plan is to focus on internal functional testing and increase the depth of the original functional test plan● Worked on allowing users to hide the recording information to more easily focus on the pads● Continued programming the recording mode	13	73
Eric Stablein	<ul style="list-style-type: none">● Continued with the process of functional testing for the modules<ul style="list-style-type: none">○ Pitch-shifting○ Tempo-shifting○ Issues encountered were documented on Git	12	72
Zach Besta	<ul style="list-style-type: none">● Worked on creating the updated testing plan	12	73

	<ul style="list-style-type: none"> ● Incorporated the remaining features (envelopes and equalizer) into the “one-man band” demo <ul style="list-style-type: none"> ○ The demo may be split across the three members via video call pending a test of the idea 		
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Plans for the upcoming weeks

- Dalton
 - Finish programming the record mode
 - Work on preparing a video call to test the idea of demoing the app
 - Continue integrating the recording mode into the application
- Eric
 - Continue with the process of functional testing for the modules
 - Continue documenting any issues encountered during functional testing on Git
- Zach
 - Expand functional testing plans to make up for lack of in-person feedback
 - Incorporate the equalizer into Dalton’s UI

Summary of weekly advisor meetings

There was a brief meeting in the second week to discuss changing the deliverables

- Dr. Chen proposed scrapping the in-person testing
 - Dr. Geiger agreed
- Dr. Geiger proposed using a video call to demonstrate the app via the three group members playing a song together
- The two advisors would like to avoid meeting over the rest of the semester unless necessary to give the group more time to finish the project