

EE / CprE / SE 491 – sdddec19-12

Campanile-Carillon Model Phase II

Jan 2019 – Dec 2019

Client: Dr. Tin-Shi Tam

Faculty Adviser: Dr. Gary Tuttle

Weekly Report 9

April 22 - April 26

Team Members

Ryan Roltgen – Software Engineering – Meeting Scribe

Sam Habel – Computer Engineering – Meeting Facilitator

Yicheng Hao – Electrical Engineering – Power Systems Lead

Gabriel Stackhouse – Software Engineering – Software Lead

Kienan Otto – Computer Engineering – Report Manager

Grant Mullen – Computer Engineering – Integration Manager

Weekly Summary

Things are beginning to slow down now as the semester comes to a close and we work to provide a polished, bug-free program before we depart for the summer. Accomplishments on the software-side include adding a scrolling feature for song selection, and getting the Windows environment set up on the provided laptop. We've also chosen an Android-powered device to use for the Info Station, and plan to get that ordered so we can have it immediately upon returning the fall semester. Work will continue the next two weeks on fixing any remaining bugs in the program.

Past Week Accomplishments

- Added new features for the song list to allow for scrolling so that a large amount of songs can be added without any issues - Ryan
- Determined device to use for the info station.

Pending Issues

- Fixing light bar bugs that still exist (potentially a problem with the Arduino)
- Fixing crash that happens at the end of song on occasion

Individual Contributions

Team Member	Contributions	Weekly Hours	Total Hours
Ryan	Worked on adding a new feature for the program that would allow for scrolling when the amount of songs exceeded the screen size.	6	55
Sam	Worked on project plan. Began research on case solutions for components.	4	45
Yicheng	Worked on the project plan.	4	48
Gabe	Backed up all data on provided laptop, then worked with ETG to install Windows with license. Continued debugging light bar serial issues. Contributed to the Project Plan.	6	55
Kienan	Worked on fixing a crash issue relating to the song ending and transitioning to back to the menu	5	43
Grant	Worked on the project plan. Met privately with Prof. Tam to discuss our possible info station devices, in order to be able to work on it at the beginning of next semester.	6	47

Plans for the Upcoming Week

- Fix light bar issues
- Fix crashes
- Finalize program to give to client for the summer