

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 2

Team Members

Ryan Roltgen – Software Engineering – Meeting Scribe

Sam Habel – Computer Engineering – Meeting Facilitator

Yicheng Hao – Electrical Engineering – Power Systems Lead

Gabe Stackhouse – Software Engineering – Software Lead

Kienan Otto – Computer Engineering – Report Manager

Grant Mullen – Computer Engineering – Integration Manager

Weekly Summary

This week, our primary goal was to talk to the monitor supplier and the ME capstone group about what our monitor would be. We were able to find out the dimensions of the area it would be mounted to and then approach PanelBrite about getting a monitor that met our conditions and requirements. We were then able to make a decision and pass that decision on to our client for ordering. Beyond that, we also spent time debugging the code we inherited from the previous group working on this project.

Past Week Accomplishments

- Monitor decision was made and ordered - Team/Kienan
- GUI updated to reflect our expected input method - Ryan
- Program installer completed - Gabe
- Progress made towards the project plan - Sam
- Trello cards filled out - Kienan/Gabe/Grant

Pending Issues

- Monitor ordering
 - Monitor price is higher than expected
 - Delivery will take longer than originally believed

Individual Contributions

Team Member	Contributions	Weekly Hours	Total Hours
Ryan	Worked on fixing the way the menu is used in the program. Instead of working based on a grid, the menu is used by hovering over the text and clicking or using arrow keys.	7	13
Sam	Began research and outlining for the planning assignment. Looked through the past team's plans and reports for inspiration. Working with client and advisor to determine deadlines and expected milestones.	5	11
Yicheng	Looked through the project plan assignment and collected the data we need. Began research on the battery type and how to make the battery level indicator.	5	10
Gabe	Rewrote most of the auto install script, so users and programmers can install the Carillon program and all its dependencies by solely running the script. Also set up a VM so the rest of the team could easily set up their programming environment.	6	13
Kienan	Contacted ME group working on project, contacted monitor manufacturer, researched space on structure	6	11
Grant	Setup development environment and began looking over previous groups code. Assisted in decision making process for choosing a monitor.	5	10

Plans for the Upcoming Week

- Collaborate with ME capstone team to prepare structure for monitor - Kienan
 - Figure out mounting mechanism
 - Analyze weight requirements
- Continue debugging of existing code - Gabe/Ryan/Grant
 - Work with MIDI files to see what needs to be added
 - Start working on changing screen size to the expected monitor size

- Finish Planning assignment - Sam/Team
- Update software on raspberry pi - Ryan
- Decide on battery solution to begin working on - Yicheng