

EE/CprE/SE 492 Bi-Weekly Report

11/09/2019 – 11/22/2019

Group Number: sddec19-23

Project Title: Network Arcade Platform

Client: Joseph Zambreno

Team Members:

- *Evan Mandle: Team Lead*
- *Alex Carpenter: Chief Engineer – Hardware*
- *Bryan Johnston: Chief Engineer – Software*
- *Alexander Schneider – Chief Design*
- *Zach Serritella – Meeting Facilitator*
- *Brian Shanders – Report Manager*

Bi-Weekly Summary:

During the past 2 weeks, the team worked on and completed most of the configuration of the controllers for both arcade and Gamecube. The team was able to get vinyl designs approved and printed out and ready to be placed on cabinets, along with the acrylic glass windows. Also, documentation on the Final Report is in working progress. The ISP poster, presentation, owner and operation manuals, and design document is nearing completion and should be finished over the break.

Past Week Accomplishments:

- **Evan Mandle:** UI customization, attached doors, and work on the power management. Got the vinyls finalized and ordered. Shipment received.
- **Alex Carpenter:** Worked on controller configuration and continued work on the design document.
- **Bryan Johnston:** Remounted the GPU mount and reinstalled the GPU into the alpha cabinet. Worked on the acrylic window for both cabinets.
- **Alexander Schneider:** Completed Owner's & Operations Manual, including per-system configuration cataloging and detailed parts list.
- **Zach Serritella:** Started to configure a few games on the first arcade cabinet. Ordered parts such as the controllers and new MUX boards. Continued work of the design document. Helped design and order the vinyl of the headboard and the control panel.
- **Brian Shanders:** Finished ISP Poster and rough draft presentation. Worked on Bi-Weekly Report.

Pending Issues:

- **Evan Mandle:** Need to mount controllers and power buttons.
- **Alex Carpenter:** Finalize most of the construction and touch up paint.
- **Bryan Johnston:** Need to recut the acrylic panel, it was slightly oversized.
- **Alexander Schneider:** Multitude of exams & projects; re-orient towards completing testing & configuration.
- **Zach Serritella:** Configuration of the rest of cabinet 1 and get cabinet 2 to match cabinet
- **Brian Shanders:** Multiple Final Projects to handle, adjust poster to fit the required size, and pictures on presentation need to be updated with the final design.

Individual contributions:

Name	Individual Contributions	Hours this week	Cumulative Hours
Evan Mandle	*See past week accomplishments	10	172
Alex Carpenter	*See past week accomplishments	8	151
Bryan Johnston	*See past week accomplishments	7	63
Alexander Schneider	*See past week accomplishments	16	90
Zach Serritella	*See past week accomplishments	13	100
Brian Shanders	*See past week accomplishments	14	84

Plans for the Upcoming Week:

- **Evan Mandle:** Finish power management and finalize cabinets.
- **Alex Carpenter:** Finish the design document and finalize the cabinet construction.
- **Bryan Johnston:** Work on rewiring the cabinet and finish the acrylic window.
- **Alexander Schneider:** Over break: work on documentation if possible. After break: Complete NF/F testing.
- **Zach Serritella:** Start to finalize the design document. Then get the cabinets configuration close to being done before break.
- **Brian Shanders:** Finalize poster and presentation over break. Assist in more documentation, with the Appendix sections.

Summary of Weekly Advisor Meeting:

Week 1:

The team met with the advisor and gave an update on the documentation and cabinets. For documentation, the advisor approved to the new poster design and vinyl designs. As for the cabinet, the advisor insisted on getting all the configurations on both controllers done as soon as possible, to avoid any inconsistent control layout.

Week 2:

As the advisor was not on campus this week, the team did not meet with him.