sdmay23-26: Desktop arcade cabinet
Week 1 Report
September 23 - September 30

Team Members

Brad Yenger — *Electrical engineer*
Liam Tureaud — *Electrical engineer*
David Helmick — *software developer*
Alex Glass — *software developer*
Jeffery Marsh — *software developer*
Mark Groves — *software developer*

Summary of Progress this Report

In the week prior our team has met with our advisor and brainstormed various ideas as to what we need to do. In doing so we have created charts and diagrams describing several areas of focus for the hardware and software side. For parts, we have collected a Raspberry Pi 3, two sets of speakers, a keyboard, a mouse, HDMI cable and a power supply for the Pi. We also experimented with downloading a simple Pi layout.

Pending Issues

The hardware and electrical sides have a plan of action and know what to work on, but the software is still trying to make a plan of action. We also know a potential problem may have is with four software engineers trying to all code on one Pi, we will need to find a way to share/ all work together on the Pi. We also need a HDMI display. For electrical, we need to discuss mounting and how we want to unput our circuits.

Plans for Upcoming Reporting Period

For software, getting a plan of action. Knowing what we want to code in, how work gets split up, the basic UI, the basic flow diagram for what the code will do. For electrical, starting to research the circuits we need, and maybe building and testing them. Lastly, as a group we present next week, so getting a prestation ready and practiced will be a goal to get done soon.

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Brad Yenger	I designed a block diagram for the electrical parts and how they connect, I started the spreadsheet for the project plan, I created a simple 3D model of how our parts can fit together and interact. I also did a lot of the documenting and helped set up the Pi.	7	
Liam Tureaud	Helped brainstorm ideas for the project	2	0

David Helmick	helped determine what the software side of the arcade cabinet is going to look like	2	0
Alex Glass	helped determine what the software side of the arcade cabinet is going to look like	2	
Jeffery Marsh	helped determine what the software side of the arcade cabinet is going to look like	2	
Mark Groves	helped determine what the software side of the arcade cabinet is going to look like	2	

Gitlab Activity Summary
Nothing to report.