

Daily Log

Monday October 28

Started making presentation for Syslab October talk.

Tuesday October 29

Finished making presentation for Syslab October talk.

Started making script for Syslab October talk (finished later at home).

Listened to Syslab talks of peers, and understood Dr. White's feedback on presentations.

Thursday October 31

Practiced Syslab talk for presentation, fixing issues in my script and added animations to slides (per feedback of Dr. White), which I had forgotten to do before. Also added a graph to my presentation, which proved to be a good choice later on.

Presented my Syslab presentation and listen to peers' presentations. .

Wednesday November 6 (Anchor)

Started looking into resolving issues I was getting with combining all 3 systems (the entire system wasn't running together, was causing errors).

Started rearranging items in combined-system program (I believe this was the problem).

Thursday November 7 (Not in school - work done at home)

Continued rearranging items in combined-system program.

Got a working draft of the program that does the systems sequentially (first barcode detection, then logo detection, then shape detection). This is good, but not really what I want - I want them to run simultaneously.

Did some thinking about long-term aspects of the project, and sort of decided that shape detection may not completely be necessary - how much information can I get out of shape detection? It's good that I have a basic implementation of it, but considering that I can't really have a good implementation of 3D shape recognition, which would be more helpful (but still not really too helpful, because how many databases will contain this?), is it really worth it to keep it in the system? Will possibly talk to Dr. White more about this.

Timeline

Date	Goal	Met
10/24/19	Link shape detection library to barcode/logo system and look into a lookup database/library where all the inputs can be supplied and the product can be identified	Yes/No; Linking of systems is more perfected (sequential implementation now), and I've decided on a barcode API I'm going to try to implement.
10/31/19	Finish linking all 3 systems together and finish implementation of barcode lookup API	No; The 3 systems link is not really where I want it to be for a final product (be able to run simultaneously, not just sequentially) and I didn't get to work on the barcode API.
11/7/19	Link barcode lookup API with the rest of the system and begin looking into a lookup API for products found through logo recognition	No; Didn't get a chance work on barcode implementation and also haven't looked into logo recognition product lookup
11/14/19	Finish implementation of barcode lookup API (FIRST priority)	
11/21/19	First link barcode detection API to barcode lookup API and then maybe link it to the sequential 3 system program	

Reflection

These past 2 weeks, I didn't really get a chance to meet the goals I had set for myself. The first week, I was mostly focused on setting up and getting ready for my Syslab talk. Although I didn't get a chance to work much on the project here, I'm glad I did spend time on this part, because I know it will pay off later, when I'm preparing for my big presentation, and I learned a good bit about how I want to convey my information. Week 2, I was fortunately able to get a sequential 3 system model working, which is progress, but I still have more to do. I didn't get a chance to work on barcode lookup, so for this next week, that is definitely going to be first priority, because that has to be working for my project to move into its next stages. As for now, I'll put the logo detection lookup on hold, and focus on barcode and then linking the systems together in a simultaneous as opposed to sequential manner.