Progress Report

Hardware Project: Parts Crib Database

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Course: CENG 317

Date: November, 21 2016

**Progress**

70% (approx.) Complete

30% (approx.)

Incomplete

0%

100%

Week 2: Individual Report – Completed

Week 3: Project Schedule – Completed

Week 4: Budget – Completed

Week 5, I have acquired the most of the equipment/parts such as Raspberry Pi 3 Ultimate Starter Kit (includes: HDMI Cable, Breadboard, Wires, LED lights, Ribbon Cable, and SD card), camera and barcodes (Through a website that creates barcodes). – 100% Completed

Week 6: Mechanical Assembly – Completed

Week 7: Power Up – Completed

Week 8: Placard – Completed

Week 9: 30 second Build Video – Completed

Week 10: Open House Hardware Demonstration – Completed

Week 11: Graded log Entry – Completed

Week 12: Presentation - Incomplete

The progress so far completed for the hardware aspect of the project starts from week 2. Week 2 I decided on what project I would doing from the loT themed hardware project at <http://six0four.github.io/>. Then I proceeded on creating an Individual Report which consisted on, what my project is about, how I would make it and who would be working with me. Next, on week 3 I built a Project schedule that will consist on what I will be doing on each week for my hardware project and will help keep track of everything. Week 4 I created a budget based on what I’m supposed to buy for my project. During week 5 I have acquired most of the equipment/parts for my project and then proceed in the further weeks to actually building my hardware project. I also have completed my soldering for my PCB.

Throughout week 7 I was able to put my PCB together and get it up and running for the power up milestone. Week 8 I created a placard to describe what my project is about and how it works. Week 9 I created a video to demonstrate my hardware project, what parts it consists, how to put it together, how it works and what I will demonstrate during my open house. Week 10 we presented our project. In our presentation, we demonstrated how the webcam can be successfully scan the barcode and put it in a text file. When I was building the code to scan the barcode I encounter many problems but they were solved expect for the issue with my webcam which was unable to read the barcode due to the lack resolution, thus resulting in me getting a new webcam. The next step in our project is to create the case so that we can display our project in a respectable way for others to see. We discussed as a group we will be creating box case for our raspberry pi and also create a stand for the barcodes that will be in a precise distance from the webcam to make quick and efficient scanning of barcodes. Week 11 we began on creating designs for a box that will hold our hardware and the stand that will hold our barcodes. I also began on implementing the code to make my LED’s work on my PCB, so that when the barcode scans properly it will light up green or red if it doesn’t work. I will also be preparing for presenting my hardware project to the class during this week for next week (week 12).

Financial update 15-dollars new webcam due to my other webcam doesn’t work properly. I have not encounter any issues any issues during this week.

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