

CPRE 492 WEEKLY REPORT

MAY15-25

Report 6

Advisor: Lee Harker

Client: Lee Harker / Department of Electrical and Computer Engineering

Project Title: CyLocker Access System

Group Roles

Team Leader ->	Nathan Castek
Team WebMaster ->	Corey Coazzato
Team Communicator ->	Nathan Lafferty
Team Key Concept ->	Priyank Patel
Team Technical Leader ->	Mohammad Syazwan

Report Summary

Coming very close to finalizing

MCU needs a lot of work put in to finalize design

LCU design is finishing

Accomplishments

Priyank started his coursework

Raspberry Pi Model 2b+ development started

LCU PCB changes

Meeting Minutes

Date: 3/3/15

Duration: 15 minutes

Attendance:

Nathan Castek

Nathan Lafferty

Mohammad Syazwan

Priyank Patel

Corey Coazzato

Summary:

Discussed last week's accomplishments

Discussed goals for next week

Spring Break is in two weeks, need to be done with final designs by then (self-imposed deadline)

Progress Impediments

Lafferty - Cannot get into old files from old raspberry Pi, osx can't read the image file
Easy to work around

Individual Contributions

(Name) (this report, total)

Castek: 3, 20

- Made design decisions with Mohammad regarding PCB (1)
- Researched different cases (2)
 - Knows dimensions, have not found a good case yet

Corey: , 10

- Tested security
 - Simple encryption, will resend the same command packets over and over

Lafferty: 3, 14

- Start developing on raspberry pi model 2B+
- Installed Rasbian
- Installed SQLite
- Enabled SSH / documented installation process\
- Attempted to pull off old script files from old raspberry pi SD card
- Purchased new microSD card
 - Needs to have Lee order one for the team

Priyank: 1.5, 15

- Attended class, halfway through (1.5)

Mohammad: 2.5, 16

- Made design decisions with PCB (1)
- Made changes to PCB design (1)
 - Changed XBee orientation
 - Converted circuit elements
- Added servo area in PCB (0.5)

Plans

Corey:

- Meet w/ Lafferty on Sunday to work on secure communication library
 - Also discuss targeted communication

Lafferty:

- Meet w/ Corey on Sunday to work on secure communication library
 - Also discuss targeted communication
- Setup SSH scripts
- Setup Database tables

Everyone

- Meet Sunday to finalize design

Priyank:

- Finish course

Muhammad:

- Go through PCB w/ EE's to officially finalize

Castek:

- Go through PCB w/ EE's to officially finalize
- Finalize case

