

EE / CprE / SE 491 - sddec22-11

Multiple mini - blind retrofit controller

Week 1 Report

Start Date: January 25 - End date: February 06

Client : ECPE

Faculty Advisor: Lee Harker

Team Members:

- Daniel Andrews - TEAM LEAD
 - Person responsible for communicating with advisor/client.
 - Person is responsible to know everyone's task at all times / or assign a task if dont have one.
 - Spokesperson at presentation for the team.
- Andrew Deick - Webmaster LEAD
 - Official person to create and update all Senior Design webpage, weekly basic.
 - Update GitLab documentation and methodology
- Jacob Nett - Undecided
- Hieu Nguyen - Communication LEAD
 - Official person to communicate with everyone on booking room, schedule meetings.
 - take note at every meeting.
 - Person is responsible for updating anything that is due to team
 - Person responsible for updating lab reports every week.
- Logan Shada -Undecided
- Caleb Townsend -Undecided

Weekly Meeting Time (decided):

- **Team meeting:**
 - Monday: 9:55 Am - 10:50 Am
 - Thursday: 2:10 Pm - 3:10 Pm
 - Friday: 9:55 Am - 10:50 Am
- **Advisor meeting:**
 - Monday: 2:10 pm - 3:10 pm (every other week)

Finance Update:

- **ECPE finance help:** 500(total)
 - \$500 / 15 blind = 33.33 / blind before tax.

Past Week Accomplishments:

Meet with Advisor/ Client

Set up team schedule/ meeting time

Create sketch/design

Research on different possibilities for the project.

Research on different types of remote control (App, device, etc..)
 Research on orders needed for testing

Note on Group Meeting (decided):

- Desktop application: Java (Netbeans)
- Server: Java (MySQL Desktop)
- Microcontroller: C - language
- Motor controller: C - language
- Goal: To have at least 1 Prototype of the first pick, and 1 backup prototype by the end of the semester.
- Desktop APPS
- Custom order circuit Board
- Arduino

Task (upcoming week):

- Software side
 - Start using GitLab or start the interface.
- Hardware side
 - Determined electric screwdriver setup or go a different route.
 - Each person designs a different basic type of circuit.
- TEAM LEAD:
 - Look into getting a blind, and different part from the client/advisor.

Pending Issues (undecided):

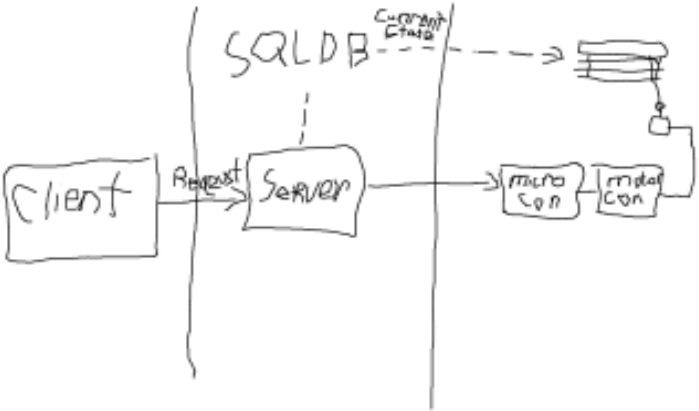
- Ordering Parts or determining whether to 3d print would be cheaper
 - If need to 3d print, contact MIS
 - Cost: \$.06 per gram of filament
 - 0640 Lagomarcino
- Type of battery use
 - 5000Mamp
 - Double-A
 - Plug
 - Micro-USB
- How to get the part?
 - Amazon
 - etc...

Individual Contribution:

Team Member	Contribution: description on what you did	Weekly Hour	Total Hour
Daniel Andrews	Communication and Organization. Research into possibilities for design early on, and look into what	5	10

	kind of software application will fit project best.		
Andrew Deick	Research into software package we will use to create desktop application. Currently, we are looking at using Netbeans and MySQL.	5	9
Jacob Nett	Sketch of design. Research into Microcontroller and motor controller options. Research into SQL database and server.	5	9
Hieu Nguyen	Sketch different designs on how to start the project.(I only work 4 hour this week, since i just came into the group this week, while everyone have been working together since the semester start)	4	4
Logan Shada	Used multisim to create a basic sketch Researched electric screwdrivers Research connection interfaces to blind spinner Research on basic motor control Looked into possible sites like digikey	5	10
Caleb Townsend	Communication and Organization. Research on drills. Information gathered about project, specifically the blinds.	5	10

Sketch design we thought of for the project.



Sketch design:(Roughdraft of output before meeting with advisor)

