

EE/CPRE/SE 491: sddec22-11

Mini Retrofit Blind Controller

Weekly Report #3

Start date: February 14 - February 20

Client: ECPE

Faculty Advisor: Lee Harker

Team Members:

- Daniel Andrews - TEAM LEAD
 - Person responsible for communicating with advisor/client
 - Spokesperson at presentation for the team.
 - Person responsible for creating and updating all Senior Design Webpage, weekly basics.
- Andrew Deick - Front-End Software LEAD
 - In charge of Gitlab documentation and methodology
 - Responsible for building the application
 - Responsible for app authentication
- Jacob Nett - Back-End Software LEAD
 - Responsible for communicating what has been done on the software end and helping at the connection point between hardware and software
- Hieu Nguyen - Communication LEAD
 - Responsible for communicating between software and hardware teams as well as team meetings.
 - Taking note during meeting
 - Responsible for updating the team if there is any news or assignment in EE 491.
 - Responsible for creating lab reports weekly.
- Logan Shada - Design editor, Hardware director, Team overlap connection
 - Responsible for communication between different team elements and specialties
 - Responsible for looking over and approving design ideas and schematics
 - Help to create understanding between software development and physical hardware and electrical engineering
- Caleb Townsend Hardware Lead and Maintenance Lead
 - Responsible for maintaining inventory
 - Responsible for HW design, development, and implementation

Weekly Meeting time (decided):

- Team Meeting:
 - Monday: 9:55 AM - 10:50 AM
 - Friday: 9:55 Am - 10:50 AM
- Individual Hardware and Software meeting:
 - Thursday: 2:10 PM - 3:10 PM
- Advisor Meeting: (bi-weekly)
 - Monday: 9:55 AM - 10:50 AM
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Weekly Accomplishments:

- Acquired Linux server
- Setup apache2 and mySQL
- Submitted request for parts (excel sheet)

Pending Issues:

- Waiting for parts
- Decided to switch from java-based desktop application to javascript based web app.

Upcoming Tasks:

- Checking if parts will work as intended
- Gaining connection between pieces
- Becoming familiar with path each side of the team will be taking

Individual Accomplishments:

Team Member	Contribution: description of what you did	Weekly hour	Total hour
Daniel Andrews	<ul style="list-style-type: none">● Started Gitlab Boards● Update to TeamWebsite● Look into new possible ways to do the application	5	15
Andrews Deick	<ul style="list-style-type: none">● Installed Netbeans and associated packages● Prototyped a Java Desktop application● Presented prototype to advisor	5	15
Jacob Nett	<ul style="list-style-type: none">● Established groundwork for Linux server● Started sql database	4	14
Hieu Nguyen	<ul style="list-style-type: none">● Helped with picking some parts● Looking for a different motor, and other parts to see if they can fit blinds or not.● Get a list of parts and get it order.	4	13
Logan Shada	<ul style="list-style-type: none">● Helped with picking of some parts● Looked into circuit and small electrical components needed to adjust microcontroller output● Looked into dimensions of components to gauge housing needed	4	14
Caleb Townsend	<ul style="list-style-type: none">● Help in determining parts needs to get started.● Looked into different kinds of parts and what they do. Pros and cons, what we need.	4	14

Sketching/Design:

