

EE / CprE / SE 491 -sddec22-11

Multiple mini-blind retrofit controller

Week 2 report

Start date: February 07 - February 13

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.
- Andrew Deick - Webmaster LEAD
  - Person responsible for creating and updating all Senior Design Webpage, weekly basics.
  - Update Gitlab documentation and methodology
- Jacob Nett - 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 Undecided "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: 2:10 PM - 3:10 PM

Financial update:

- ECPE finance available: \$500 (flexible if needed)
  - Update: Need to create 3 blind instead of 15.

Past week accomplishments:

- Hardware team members decided to create individual designs, and will be making them based on their design. (3 design total)
- The software team decided upon frameworks to use and started working towards the server.

**Note on Group meeting:**

- Send the list of items needed to see for him to order for us.
- Software: Create a desktop application using the Netbeans editor. We will want to use GitLab to track changes and for code-sharing. Our desktop application should connect to MySQL using JDBC connectors so that we can store instruction information in a database table to be accessed by the hardware.
- Hardware: deciding on components to order and starting on the prototype. Get blind

**Task (upcoming week):**

- Research on what we can improve on the design while waiting for the part to arrive.
- The software team needs to start and continue creating the software and create a new server

**Pending issue:**

- Ordering part.

**Individual member contribution:**

<b>Team Member</b>	<b>Contribution: description of what you did</b>	<b>Weekly hour</b>	<b>Total hour</b>
Daniel Andrews	Discussion and brainstorming on problem-solving, working with deciding framework, working on software, working through computer issues	5	10
Andrews Deick	Initiated Netbeans environment and started GitLab integration. cursory research on JDBC and how it will connect to MySQL.	6	10
Jacob Nett	Some work with MySQL in order to set up the database for certain data. Helped shop for the microcontroller.	5	10
Hieu Nguyen	Sketch design on the connection and different options layed out. Research on way to improve the design or a different part of the sketch	5	9
Logan Shada	Sketch of everything connected with some options layed out, work on constellation	5	10
Caleb Townsend	Discussion and brainstorming on problem solutions, shopping for parts, list of parts template excel sheet made.	5	10

