EE/CPRE/SE 491: sddec22-11

Mini Retrofit Blind Controller
Weekly Report #4
Start date: February 20 - February 27
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

Weekly Accomplishments:
- Restructured front end into js web app and add feature suggested by advisor
- Created Springboot app for http request handling with a database

Pending Issues:
- Software security: integration for okta or something else for user authentication
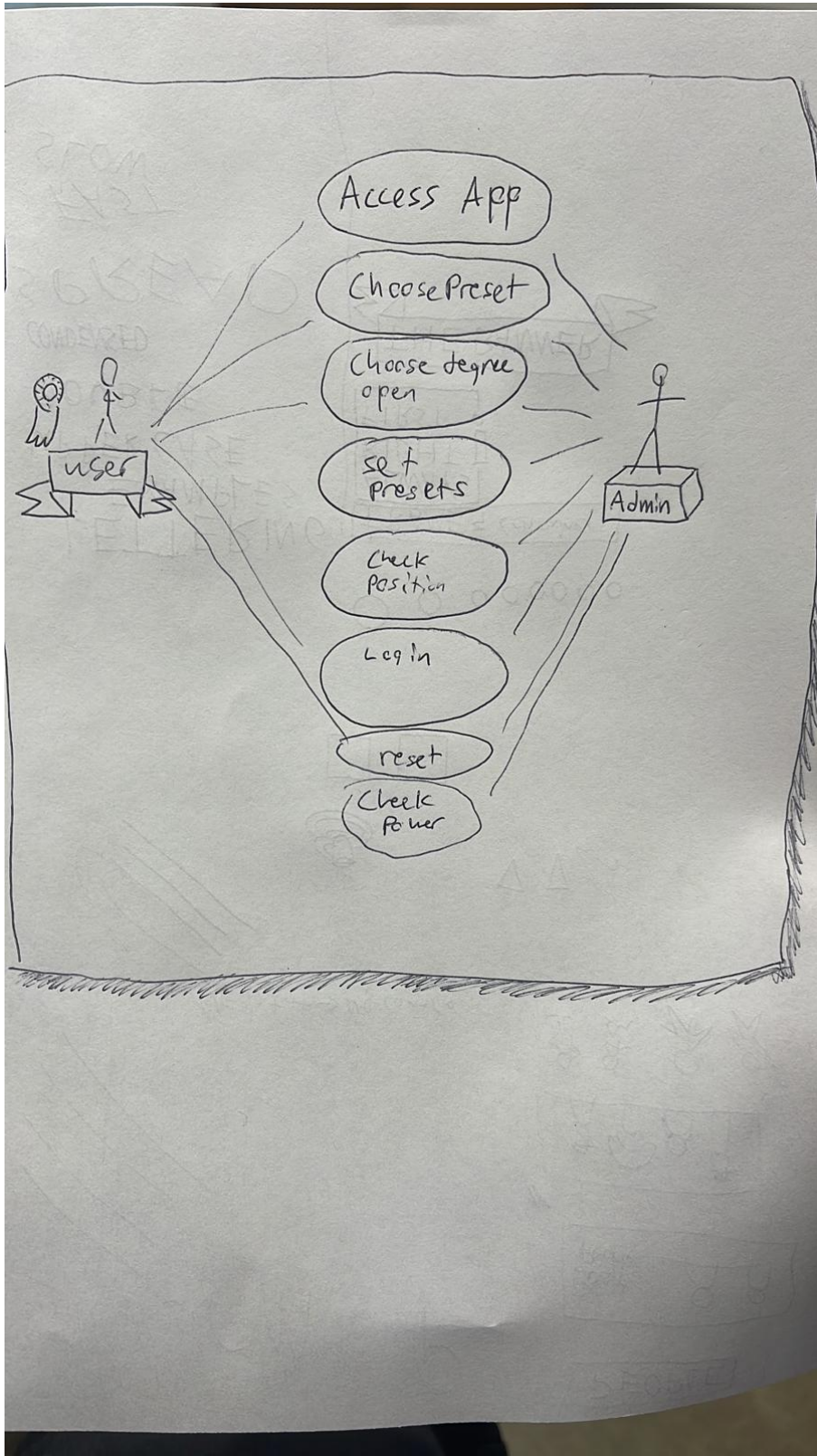- Software security: alway for use of https encrypted requests

Upcoming Tasks:
- Continued work on software development
- Waiting for part to arrive, to start wiring them up.

Individual Accomplishments:

Team Member	Contribution: description of what you did	Weekly hour	Total hour
Daniel Andrews	● Team website ● Team meeting coordination	4	19
Andrews Deick	● Created front-end of application ● Added Dark & Light Mode and Sliders	9	24
Jacob Nett	● Created sql database ● Created springboot app ● Installed associated programs onto server ● Turned app into a service so that it would run on server continually	6	20
Hieu Nguyen	● Did some research on prebuilding, while doing class assignment.	3	16
Logan Shada	● Worked through possible issues that could arise ● Looked for parts that could resolve future issues ● Did some circuit research	4	18
Caleb Townsend	● Started trainings for CIS center use ● Pre design planning	3	17

Sketching/Design:

Use case diagram showing:

Actors: **user** (left), **Admin** (right)

Use cases (top to bottom):
- Access App
- Choose Preset
- Choose degree open
- Set presets
- Check Position
- Login
- reset
- Check Power

Spring 22 SD491 Persona Profile

Challenges & Frustration
- Arms are to short to turn plastic blinds stick
- Constantly out of zip ties
- The sun is in his computer

Gordon
Profession
Student
Age:
23
From:
Kansas City,
MO

Goals
- Get computer
Science
- Graduate

Influences
- Family
- Friends
- Teacher
- Social Media