492 - Group 11

Auto Window Blinds

Bi-Weekly Report 6

11/09-11/18, Winter Break 11/28-12/06
Client: Lee Harker
Faculty Advisor: Lee Harker

Team Members:

Andrew Deick - Front-end Software Lead
Caleb Townsend - Hardware Lead
Daniel Andrews - Team Lead
Hieu Nguyen - Communication Lead
Jacob Nett - Back-end Software Lead
Logan Shada - Design Lead

Past Week Accomplishments

- Frontend - Andrew & Daniel
  - Testing
  - Admin Page UI
  - Admin Page creates and connects new blinds
  - Fixing HTTP requests and Persistent Storage
  - UI touch ups
- Backend - Jacob
  - Server tests
  - Server fixes
  - Arduino test
  - Arduino fixes

- Hardware - HW team - Logan, Hieu, and Caleb
  - Component placement
  - Plastic Box cuts design

- ○ Testing

Pending Issues

- Finish up documents for final
- Clean up/organize code and hardware
- Presentation

Individual Contributions

Team Member	Contribution: description of what you did (last 2 weeks)	Last 2 weeks (hours)	Total (hours)
Daniel Andrews	● Work on website testing ● Resolved some frontend issues ● Code for machine ● Work with hardware research/decisions ● Work on documents for Reports and presentations	25	74
Andrew Deick	● Working with Jacob on Front-End to Back-end API endpoints ● Create admin page for showing past action logs ● Research into admin roles for user	22	72
Jacob Nett	● Added table for banned users ● Added table for admin ● Research on how to use eeprom and power sensor for state saving	24	80
Hieu Nguyen	● Modification to the product arrangement ● Soldering circuit board ● Box Assembly ● Testing Product	25	68
Logan Shada	● Assisting with Assembly ● 3D design ● Box Cut design	15	54
Caleb Townsend	● Assisted with 3d modeling for cuts to plastic box ● Made Measurements for box cuts ● Assembled (final product) plastic box (1) 　○ Selecting correct screws and assembly 　○ Modifications to cuts 　○ Soldering of circuits ● Designed voltage regulator circuit ● Designed button circuit ● Designed component layout in plastic box ● Worked on Documentation ● Worked on Presentation	35	75

Plans for coming weeks

- Miscellaneous - Daniel
  - Update team website
- Hardware - Logan, Caleb, & Hieu
  - Assemble final Product, with adjustments to the box1
  - Box 2 final adjustment with more input information from box 1
- Software - Andrew
  - Testing (End to End testing)

https://git.ece.iastate.edu/sd/sddec22-11