

sdmay24-22 Client Advisor Meeting 1 - 2024

Agenda

- Re-introduce the team and explain the recent loss of team member Wyatt
- Review 491
 - Discuss takeaways from end of semester presentation
 - Solid cord into the charging dock
 - Possible design iterations/options for the professor
 - Review the function of the circuit and confirm deliverables
 - Next steps
 - Discuss the PCB/CAD plan
 - Rough semester timeline
- Discuss new objectives for 492 and recommendations (end-of-year presentation, what to know to do well, what to start on now to set up for success for May)
- Discuss team breakout (electronics and design teams)
- Q&A

Meeting Notes

- Review Wyatt
- Design 1 Notes
 - Diaper cream
 - Tissue paper
 - Wet wipes
- Design 2 Notes
 - Good design
- Design both Design 1 and 2 for FDM tests for scale and feeling (not functional)
- Great work on slide revisions for last semester
- Arduino module?
- Wireless charging testing/magnetic additions
 - Testing first up
 - Ferrous materials?
- General shape, then FDM
- End of Semester prep
 - Full documentation
 - Component pictures
 - Follow plan, ensure everyone has something to do
 - Many pictures
 - Showcase prototype iterations through the semester
- Microphone compatibility?

Summary

Wirelessly Charged Nursery Light - sdmay24-22

Meeting start: 17:30

Present:

- Josh Holloway (Team Lead / Client Interaction)
- William Snyder (Tester)
- Logan Farmer (Facilitator / Designer)
- Alexandros Psomas (Product Designer)

Late:

- Thomas Youhn (Electrical Lead)
 - Scheduled to be in class until 17:45

SUMMARY

The main points discussed was a review of the final presentation and notes given to us by the faculty board, which continued into discussion of where the project currently stands and where we as a team plan to continue working. Through these discussions we were able to breakout a plan on proceeding forward with two product housings to prototype and test to determine which one will be finalized, as well as isolate the deliverables desired by our client.

DECISIONS

- Designs 1 and 2 are better than Design 3 from 491 final presentation.

ACTIONS TO BE TAKEN / NEXT STEPS

- Begin testing for wireless charging unit and integration into circuit
- Review ID on Designs from 491, begin rough breakout and physical prototypes for physical handling and testing.
- Push forward with designs one and two from 491 (basket and "lamp") and prepare visual references for prototyping
- Isolate constraining components and PCB size before PCB layout design.