

Hand Exerciser

Progress Report #12

4/24/08

Client: Alexander Yevzlin
Advisor: John Webster
Team: Brian Ginter (Leader)
Patrick Kurkiewicz (BWIG)
David Leinweber (Communications)
Matt Hoffman (BSAC)

April 18 to April 25

Problem Statement

Develop a stress ball type hand exerciser capable of recording and transmitting data to be used in medical studies.

Last Week's Goals

- Start casing design
- Start poster design
- Meet with client
- Continue design work

Summary of Accomplishments

This week we began putting the finishing touches on our design. We chose a ball to house our air bladder in and now just need to finalize attachment.

Our work with LabView has gone well so far. We have most of the program done but just need to tweak a few things.

We split up portions of the final report and poster as well. We will have both completed by Sunday.

This Week's Goals

- Finish project

Activities

- Brian
 - Personal Design Research/Brainstorming (2 hrs)
 - Progress Report (.5 hrs)
 - Tuesday Meeting (2 hrs)
 - Thursday Meeting (2 hrs)
 - **Total: 6.5 Hours**
- Patrick
 - Personal Design Research/Brainstorming (2 hrs)
 - Tuesday Meeting (2 hrs)
 - Thursday Meeting (2 hrs)
 - **Total: 6 Hours**
- David

- Personal Design Research/Brainstorming (2 hrs)
- Tuesday Meeting (2hrs)
- Thursday Meeting (2 hrs)
- **Total: 6 Hours**
- Matt
 - Personal Design Research/Brainstorming (2 hrs)
 - Tuesday Meeting (2 hrs)
 - Thursday Meeting (2 hrs)
 - **Total: 6 Hours**

Project Schedule

- 1/25 Form team, contact client, assign team roles, set up client meeting
- 2/1 Literature search, create problem statement, begin PDS
- 2/8 PDS, brainstorming, begin developing designs
- 2/15 Brainstorming
- 2/22 Decide on 3 design alternatives, prepare for mid-semester presentation
- 2/29 Work on presentation
- 3/7 Mid-Semester Presentation
- 3/14 Hand in report (and PDS) and notebooks, decide on final design
- 3/21 Spring Break
- 3/28 Work on final design
- 4/4 Work on final design
- 4/11 Work on final design
- 4/18 Work on final design, poster presentation and paper
- 4/25 Final Poster Presentation
- 5/2 Hand in final written report and notebooks
- 5/9 Final meeting with advisors