

Hand Exerciser

Progress Report #11

4/17/08

Client: Alexander Yevzlin

Advisor: John Webster

Team: Brian Ginter (Leader)

Patrick Kurkiewicz (BWIG)

David Leinweber (Communications)

Matt Hoffman (BSAC)

April 11 to April 18

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

- Finish recommended BME 310 Labs
- Meet with client
- Continue design work

Summary of Accomplishments

This week we were originally scheduled to meet with our client on Friday but he was forced to cancel at the last minute. Instead Patrick and Brian met with Amit to continue working on the 310 labs. We finished the preliminary labs and started trying to use LabView with our device.

Later this week we met Tuesday and Thursday to continue trying use LabView with our device. As of right now we have made very good progress in the final implementation of the LabView program aspect of our project.

This Week's Goals

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

Activities

- Brian
 - Personal Design Research/Brainstorming (2 hrs)
 - Progress Report (.5 hrs)
 - Amit Meeting/310 Labs (2 hrs)
 - Thursday Meeting (1.5 hrs)
 - **Total: 6 Hours**
- Patrick
 - Personal Design Research/Brainstorming (2 hrs)
 - Amit Meeting/310 Labs (1.5 hrs)

- Tuesday Meeting (2 hrs)
- Thursday Meeting (2 hrs)
- **Total: 7.5 Hours**
- David
 - Personal Design Research/Brainstorming (2 hrs)
 - Thursday Meeting (2 hrs)
 - **Total: 4 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