

Face Cradle Progress Report **2/9/2009-2/13/2009**

Names

Nate Cira, leader
Patrick Kurkiewicz, BSAC
Annie Loevinger, communicator
Matt Hoffman, BWIG

Client

Susan Frikken

Problem Statement

Current static massage chair face cradles do not adjust as the subject becomes more relaxed. This results in the subject's neck and head remaining in an uncomfortable strained position. This device must perform two important functions. First, it must support the neck and head of a patient receiving a chair massage. Second, it must dynamically adjust as the patient relaxes to accommodate a different position.

Last Week's Goals

- Work toward full shop certification
- Continue research on face cradle patents and products in existence
- Begin brainstorming and sketching ideas for potential solutions
- Look at anatomical tables for face and body dimensions to quantify cradle dimensions
- Nate: Write progress report for prior week
- Matt: Post progress report

Summary of Accomplishments

- Nate wrote progress report. 2/12
- The team independently brainstormed
- The team met and shared brainstormed design ideas. 2/13
- Nate found anatomical data on human dimensions
- Annie is shop certified
- Pat and Nate have completed shop quizzes

This Week's Goals

- Work toward full shop certification
- Contact other massage therapists to get more input
- Continue research on face cradle patents and products in existence
- Continue brainstorming and sketching ideas for potential solutions
- Critique design options, begin to narrow focus
- Research specific materials and costs
- Get specific rates, distances, and anatomical data of different people during massages
- Nate: Write progress report for prior week
- Matt: Post progress reports work toward shop certification

Project Difficulties

It is challenging to find specific ideal positions of the body in a massage chair. Finding numbers on how the body changes during the massage is also a challenge.

Activities

Midweek	Matt:	Brainstorming	.5 hr
Midweek	Nate:	Brainstorming and anatomical research	1 hr
Midweek	Nate:	CAE shop quiz	.5 hr
Midweek	Annie:	Brainstorming	1.25 hr
Midweek	Pat:	CAE shop quiz and tool checkout	1 hr
12/02/2009	Nate:	Wrote progress report	.5 hr
13/02/2009	Team:	Met with advisor and brainstormed	2 hr

Totals

Nate:	5 hours
Annie:	3.25 hours
Matt:	2 hours
Patrick:	1.5 hours
Team:	9 hours

Expenses

Currently none

Project Schedule

Task	January				February				March				April			May		
	30	6	13	20	27	6	13	20	27	3	10	17	24	1	8			
Deliverables																		
Website																		
Progress Report																		
Notebook																		
Midterm Presentation																		
Final Presentation																		
Final Poster																		
Final Report																		
Client Evaluation																		
Peer and Self Evaluations																		
Meetings																		
BSAC																		
Team																		
Client																		
Advisor																		
Ergonomics Meeting																		
Project Research																		
Patent and Product																		
Anatomical Data																		
Padding Research																		
Covering Research																		
Project Development																		
Select Project																		
Brainstorm Ideas																		
Narrow Ideas																		
Select Idea																		
Work on Design																		
Fabricate Prototype																		

Key:	
Team	
Nate	
Matt	
Patrick	
Annie	