

## **Face Cradle Progress Report** **2/2/2009-2/8/2009**

### **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**

- Draft full PDS to further define project goals 2/3
- 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: Get website up and running, post PDS, progress report

### **Summary of Accomplishments**

- The team met and drafted the initial full PDS. 2/3
- Nate wrote progress report. 2/5
- The team met and brainstormed design ideas. 2/6
- Nate, Annie, and Matt met with Professor Tyler and discussed expectations for the project. 2/6
- Nate, Pat, and Annie have begun the process of shop certification.
- Annie corresponded with the client.
- The team worked individually on PDS sections.
- Matt got the webpage running and posted progress report one,

### **This 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

**Project Difficulties**

Currently none

**Activities**

03/02/2009 Team:	Met and drafted full PDS	1 hr
Midweek Everyone:	Worked individually on PDS	.5 hr
Midweek Annie	Client correspondence	0 hr
Midweek Matt:	Got webpage running	1 hr
05/02/2009 Nate:	Wrote progress report	1.5 hr
06/02/2009 Team:	Met with advisor and brainstormed	2 hr

**Totals**

Nate:	3.5 hours
Annie:	2 hours
Matt:	1.5 hours
Patrick:	.5 hours
Team:	7 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				
<b>Deliverables</b>																			
Website																			
Progress Report																			
Notebook																			
Midterm Presentation																			
Final Presentation																			
Final Poster																			
Final Report																			
Client Evaluation																			
Peer and Self Evaluations																			
<b>Meetings</b>																			
BSAC																			
Team																			
Client																			
Advisor																			
Ergonomics Meeting																			
<b>Project Research</b>																			
Patent and Product																			
Anatomical Data																			
Padding Research																			
Covering Research																			
<b>Project Development</b>																			
Select Project																			
Brainstorm Ideas																			
Narrow Ideas																			
Select Idea																			
Work on Design																			
Fabricate Prototype																			

Key:	
Team	
Nate	
Matt	
Patrick	
Annie	