

## **Face Cradle Progress Report** **4/27/2009-5/08/2009**

### **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 upper back shifting to an uncomfortable bowed position. This device must perform two important functions. First, it must support the head of a patient receiving a chair massage, specifically preventing the chin from slipping through the cradle. Second, it must adjust along the axis of the spine to accommodate a different position as the patient relaxes during the massage.

### **Last Week's Goals**

- Finish testing
- Nate: Write progress report for prior week
- Matt: Update website
- Finish poster
- Practice presenting

### **Summary of Accomplishments**

- Nate assigned poster sections. 4/27
- Annie corresponded with the team. 4/27, 4/28
- Annie finished her poster section. 4/28
- The team made final design modifications. 4/28
- Annie corresponded with the client. 4/28
- Annie returned parts. 4/28
- Nate finished his poster section. 4/29
- Annie obtained the chair from Susan. 4/29
- Annie conducted the final testing. 4/29
- Annie wrote about testing and took photographs of the device. 4/30
- The team finished the poster. 4/30
- The team practiced presenting. 4/30
- Nate wrote progress report. 4/30, 5/7
- Nate and Annie completed poster. 4/30
- The team delivered the final presentation. 5/1
- Matt updated webpage.
- Nate and Annie attended awards ceremony. 5/1

- Nate assigned paper sections. 5/5
- Nate and Annie compiled and edited the final paper. 5/7
- The team will fill out evaluations. 5/7
- The team will attend the final advisor meeting. 5/8
- Pat finished his paper section. 5/7
- Matt finished his paper section. 5/7
- Pat finished his poster section.
- Matt finished his poster section.

### **This Week's Goals**

- Turn in final deliverables, ace finals, enjoy summer!

### **Project Difficulties**

None

### **Activities**

27/04/2009 Nate:	Assigned poster sections	.25 hr
27/04/2009 Annie:	Team correspondence	.25 hr
28/04/2009 Annie:	Team correspondence	.25 hr
28/04/2009 Annie:	Poster section	.5 hr
28/04/2009 Annie:	Returned parts	.5 hr
28/04/2009 Matt:	Device modifications	1 hr
28/04/2009 Pat:	Device modifications	2 hr
28/04/2009 Nate:	Device modifications	2 hr
28/04/2009 Annie:	Device modifications	3 hr
28/04/2009 Annie:	Client correspondence	.25 hr
29/04/2009 Annie:	Obtained chair	.25 hr
29/04/2009 Annie:	Final testing	1.5 hr
29/04/2009 Nate:	Poster section	1 hr
30/04/2009 Nate:	Final poster	4 hr
30/04/2009 Annie:	Final poster	3.25 hr
30/04/2009 Team:	Presentation practice	1 hr
30/04/2009 Nate:	Wrote progress report	.5 hr
30/04/2009 Annie:	Testing write-up and photos	.25 hr
30/04/2009 Matt:	Website	1 hr
30/04/2009 Matt:	Poster section	.25 hr
30/04/2009 Pat:	Poster section	.5 hr
01/05/2009 Team:	Final presentation	4 hr
01/05/2009 Nate and Annie:	Award ceremony	1 hr
05/05/2009 Nate:	Assigned paper sections	.25 hr
07/05/2009 Nate:	Wrote progress report	1 hr
07/05/2009 Matt:	Paper section	4 hr
07/05/2009 Pat:	Paper section	3.5 hr

07/05/2009 Nate and Annie:	Final Paper	8 hr
07/05/2009 Team:	Final Evaluations	1 hr
08/05/2009 Team:	Final advisor meeting	2.5 hr

### Total Hours

Nate:	95 hours
Annie:	92 hours
Matt:	69 hours
Patrick:	72.25 hours

### Expenses

<b>Home Depot:</b>		
Item	Cost	used in prototype
Sliders	\$5.78	\$0.00
<b>Peachtree Woodworking:</b>		
Aluminum tracks	\$33.73	\$18.40
<b>McMaster:</b>		
Air cylinders	\$49.71	\$49.71
<b>Walgreen's</b>		
Heavy duty balloons	\$3.16	\$3.16
<b>ACE:</b>		
screws, nuts, bolts	\$4.44	\$4.44
2 clips, 1 strap	\$3.24	\$3.24
2 NPT adaptors	\$4.58	\$4.58
Tubing and Connectors	\$5.53	\$5.53
glue	\$4.53	\$0.00
gloves	\$2.50	\$0.00
thread tape	\$1.04	\$0.00
<b>Amazon:</b>		
sphygmomanometer	\$13.05	\$13.05
lost to returns	\$0.56	
<b>Totals</b>	<b>\$131.85</b>	<b>\$102.11</b>

