

Progress Report 13

Team: Physiologic Metronome (Group 6)

Team Members:

Ben Fleming, *Communicator*
Cole Drifka, *BWIG*
Jeff Theisen, *BSAC*
Adam Pala, *Team Leader*

Week: December 4 – December 10, 2009 (Week 14)

Client: Dr. Bill Fahl

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Advisor: Dr. Paul Thompson

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Problem Statement

The purpose of this design project is to develop a metronome device which will maintain a constant, adjustable tempo for the practicing musician. A key feature that the client requires is that the device's tempo-maintaining mechanism be inaudible. Such a feature allows the musician to practice and improve musical performance using a more intuitive approach—one that does not distract the musician while playing music (i.e. audible ticks, as used in conventional metronomes).

Goals from Last Week

- To work on and complete all course deliverables

Accomplishments

- The group finished up the final report and client evaluation on Tuesday, December 8
- The group finished up and turned in all other course deliverables

Goals for This Week

- Study for Finals!

Difficulties

- None in particular

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Team Contributions

<i>Team Member</i>	<i>Task(s) Accomplished</i>	<i>Time Spent (Hours)</i>	<i>Cumulative Time Spent (Hours)</i>
Ben Fleming	Worked individually and with the group to finish the Final Report	6.0	64.0
Cole Drifka	Worked individually and with the group to finish the Final Report	6.0	64.0
Jeff Theisen	Worked individually and with the group to finish the Final Report	6.0	71.0
Adam Pala	Sent necessary material to rest of team via e-mail	1.0	56.0

Tentative Project Timeline

		<i>September</i>			<i>October</i>					<i>November</i>			<i>December</i>			
		11	18	25	2	9	16	23	30	6	13	20	4	11		
<i>Product Research and Development</i>	Preliminary Research															
	Brainstorm															
	Decision Matrix															
	Final Design															
	Building of Prototype															
	Testing of Prototype															
<i>Due</i>	PDS															
	Presentations															
	Reports								21							

Current Expenses

- \$61.57 – miscellaneous electronics parts, solenoids