

ERG Recorder

Week 9: 10/24/08 – 10/30/08

Team Members: Dan Jonovic – Team Leader
Andrew Dias – BWIG
Nick Balge – BSAC
Whitney Johnson – Communications

Advisor: Professor Mitch Tyler

Client: Dr. Bikash Pattnaik

Next meeting: 10/31/08, 12:05pm

Problem Statement:

Create a system controlled through LabVIEW to monitor, control, and record values from an ERG corresponding to liquid exchange, light intensity, flash duration and frequency, and waveforms. In addition, the development of a new, more user-friendly interface should be implemented.

Team Goals:

- Work on adding save feature
- Implement tabs in the current design
- Start simplifying controls in the user interface
- Determine colors for optimal contrast under a red filter

Individual Goals:

Dan Group elements of the interface together on tabs
Andrew Work on adding save feature
Nick Simplify controls in the user interface
Whitney Determine colors for optimal contrast under red filter

Summary of Accomplishments:

We investigated different elements of the user interface that will be implemented.

Difficulties:

LabVIEW has a large number of features and it takes time to sort through them and find the optimal solution. Also, we are unable to add the functional elements because the hardware may not have arrived yet and we don't know how it will be interfaced.

Project Schedule:

Week	Date	Topic	Activities / Deliverables
1	September 5, 2008	Introduction and course expectations Course advisors	Form teams; select project; contact client; email team roles to advisor
1		ERG Recorder	9/8/2008

Room 1610 Engr Hall			
2	September 12, 2008	Design process and Product design specifications (PDS) guidelines	Literature search; meet with client
3	September 19, 2008		Develop understanding of project; post preliminary PDS on web site; post team photo on web site
4	September 26, 2008		Brainstorm
5	October 3, 2008		Work on design
6	October 10, 2008	Oral presentation guidelines	Decide on design alternatives; work on presentation
7	October 17, 2008	ORAL PRESENTATIONS Note: All students should plan to be present for the full class period.	Put PowerPoint presentation on team web site by 10:00 am
8	October 22, 2008		By 4:00 pm: deposit notebook and written report including PDS in 2135 ECB; email report to advisor and client; fully update web site
8	Friday October 24, 2008	Tong Distinguished Entrepreneurship Lecture	Submit peer/self evaluations by email by 10:00 am; decide on final design
9	October 31, 2008		Work on design
10	November 7, 2008		Work on design
11	November 14, 2008		Work on design
12	November 21, 2008	Poster presentation guidelines	Work on design, Work on poster presentation
THANKSGIVING BREAK			
13	December 5, 2008	FINAL POSTER PRESENTATIONS Note: All students should plan to be present for the full class period.	
14	December 10, 2008		Hand in written report to advisor and client and post it on web site; submit design notebooks; complete final update of web site; submit client evaluation
14	December 12, 2008		Submit peer/self evaluations by email by 10:00 am; final meeting with advisor

Activities:

10/29/08	Dan, Whitney, Nick	Team Meeting: discussed research on visual elements of design	1.00h
9/23/08	Team (Individually)	Research for individual elements of design	1.00h

Expenses:

There are no expenses to report so far.