

## **Glaucoma Medication Electronic Reminder/Compliance Aid**

**Week** – September 8<sup>th</sup>, 2006 – September 14<sup>th</sup>, 2006

**Team Members:** Chris Webster - Team Lead  
Ksenija Bujanovic - Communication  
Mike Oldenburg - BWIG  
Jessica Hause – BSAC

### **Client:**

Leo Wang  
Dept. of Ophthalmology and Visual Sciences  
UW Medical School  
Phone: (312) 953-1063  
Email: [lwang7@gmail.com](mailto:lwang7@gmail.com)

### **Advisor:**

John Webster  
Professor / Department of Biomedical Engineering  
Phone: (608) 263-1574  
Email: [Webster@engr.wisc.edu](mailto:Webster@engr.wisc.edu)

### **Problem Statement:**

Develop a portable electronic device which can indicate to the user that a medication needs to be taken. An audio signal may be necessary as an option because many of the patients may be sight-impaired. The device needs to be programmable for up to 6 different medications that can be used in different dose regimens. A reset mechanism, types of reminder signals, durability/portability, power options, and power level indicators all must be taken into consideration.

### **Accomplishments:**

- Establish team members and positions
- Chose a project (#35 – Glaucoma Medicine Indicator)
- First meeting with Leo Wang to introduce and discuss project

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

- Define the problem more thoroughly
- Research technology necessary to build the device
- Brainstorm ideas

### **Difficulties:**

- Understanding all requirements of the project

**Activities/Accomplishments**

Group Member	Weekly Accomplishments	Time(hrs)	Total (hrs)
Chris Webster	Class time, Client Meeting	2	2
Mike Oldenburg	Class time	1	1
Ksenija Bujanovic	Class time, Client Meeting	2	2
Jessica Hause	Class time, Client Meeting	2	2