Project Title: Warning system for wheelchair

Team Members:
YikNing Wong, Team Leader ynwong@wisc.edu
   608-695-9281
Tyler Witt, Communicator tdwitt@wisc.edu
   608-264-0929
Farshad Fahimi, BWIG fong@wisc.edu
   608-264-1680
Jimmy Fong, BSAC ffahimi@wisc.edu
   312-799-0278

Client:
Sandy Rodriguez
UW Vascular Clinic
Phone: 608-263-4341
Email: rodrig@surgery.wisc.edu

Advisor:
John G. Webster
1550 Engineering Drive, Rm. 2148
Phone: 608-263-1574
Email: webster@engr.wisc.edu

Problem Statement:

Our goal is to design a custom warning system for a girl with cerebral palsy so that others in her path will be warned of her presence. Currently there is no system that can be attached to her wheelchair to alert the person controlling her wheelchair of any incoming traffic.

Restatement of team goals:

1. Create Problem statement
2. Create First draft of PDS
3. Begin to research and develop design ideas
4. Continue the design project.
   a) Research all possible background information.
   b) Research existing and design alternatives
   c) Brainstorm for all possible solutions
   d) Meet with experts to gain ideas about possible solutions
c) Develop possible design solutions
5. Choose final three design solutions
6. Develop final three solutions
7. Create Power point presentation
8. Finish mid semester report, PDS
9. Discuss possible final design alternative
10. Finalize Design
11. Build and test prototype
12. Present final design

Last week’s goal
1. Continue research on lights and chimes
2. Work and complete the PDS

Summary of Team Accomplishments:
1. Brainstorming of the design
2. Completed PDS
3. Contacted light and wheelchair companies.

Summary of Individual Accomplishment:
1. YikNing wrote progress report
2. Farshad contacted wheelchair company
3. Tyler contacted light company

Statement of Team Goals:
1. Finished PDS
2. Identify market products for lights and chime
3. Find suitable chime and lights

Project Schedule:
9/2–9/8   Form team, select project, contact client, assign team roles, set up client meeting
9/9      Initial client Meeting
9/9–9/15  Literature search, meeting with client, create problem statement, begin PDS
9/16-9/22 Develop PDS, brainstorming, begin developing alternative designs
9/23-9/29 Brainstorming, developing alternative designs
9/30-10/6 Finalize three alternative designs
10/7-10/13 Finalize written report and PDS, finalize oral presentation
10/14     Oral Presentations
10/14-10/20 Hand in written report with PDS. Submit notebooks for advisor review.
10/21-10/27 Choose and develop final design.
10/28-11/3 Continue work on final design, poster
11/4-11/10 Continue work on final design, poster
11/11-11/17 Continue work on final design, poster
11/18-11/24 Continue work on final design, poster
11/25     Thanksgiving
11/25-12/1 Continue work on final design, poster
12/2-12/6  Final poster presentation
12/7       Hand in final report, notebooks
12/9       Final meeting with advisor

**Difficulties:**
None so far.

**Activities:**

Team       In-class meeting (2 hr)

YikNing    0.5 hrs – Progress report, PDS, notebook

Tyler      0.5 hrs – Contacted light company, PDS

Farshad    1 hrs    – Contacted wheelchair company, PDS

Jimmy      1 hrs    – PDS, notebook

**Team total hour for this week: 5 hrs**
**Cumulative team hours to date: 28 hrs**