Project Title: Warning system for wheelchair

Team Members:
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Advisor:
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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
e) 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. Complete the alarm system
2. Borrowed client’s wheelchair for hooking up the alarm system
3. Final testing for the system
4. Prepare for poster presentation
5. Start the final report

**Summary of Team Accomplishments:**
1. Completed the alarm system
2. Final testing for system and hooked to the client’s wheelchair
3. Complete poster for presentation.

**Summary of Individual Accomplishment:**
1. YikNing wrote progress report
2. Jimmy bought clamp for holding the control panel
3. Tyler bought lights

**Statement of Team Goals:**
1. Complete final report

**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: 11/18 - 2hrs, 11/25 Thanksgiving break
       Group meetings on 11/18, 11/19, 11/22, 11/28-30 for finishing alarm system

YikNing    28 hr – Progress report, Completing alarm system

Tyler       36 hrs – Completing alarm system, obtained lights

Farshad     32 hr – Completing alarm system

Jimmy       25 hr – Completing alarm system, bought clamps

Team total hour for 11/18-12/1 : 123 hrs
Cumulative team hours to date: 216.75 hrs