Project Title: Warning system for wheelchair

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Problem Statement:
Woman’s 20-year-old daughter has cerebral palsy and would like a way to alert people in the path of her wheelchair that she is behind them. Ideal would be a device that senses a person in front of her and produces an audible warning.

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. Research on lights and chimes
2. Prepare for PDS

**Summary of Team Accomplishments:**
1. Background research and brainstorming
2. Success in finding suitable light source for the system

**Summary of Individual Accomplishment:**
1. Jimmy researches for lights and sirens
2. Jimmy got the electronics lab key
3. YikNing wrote progress report and researched on chimes
4. Tyler began PDS
5. Farshad works on design drawings

**Statement of Team Goals:**
1. Begin to work on PDS
2. Identify market products
3. Find suitable sensors 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 Brain storming, 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 (1.5 hr)
YikNing 1.5 hrs- Research on chimes, notebook, progress report, PDS
Tyler 1.5 hrs - Notebook, Began work on PDS
Farshad 2.5 hrs - Research, drawings, update website
Jimmy 1.5 hrs - Getting the electronics lab key, notebook, research for lights/sirens

Team total hour for this week: 8.5 hrs
Cumulative team hours to date: 23 hrs