Progress Report 1
9/2/05-9/8/05

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 PowerPoint 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. Select team roles
2. Prepare for client meeting
3. Research for background information

**Summary of Team Accomplishments:**
1. Established team roles
2. Emailed client and established a meeting time
3. Prepared questions for client meeting
4. Began background research and brainstorming
5. Group meet (9/8, 1 hr @ EH) for preparation of client meeting

**Summary of Individual Accomplishment:**
1. Jimmy and YikNing began research on alarm and sensors
2. YikNing wrote progress report

**Statement of Team Goals:**
1. Meet with client and discuss expectation and guidelines
2. Developing an understanding of project
3. Do background research
4. Begin to work on PDS
5. Identify market products

**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 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:**
We have the difficulty to understanding our client’s expectation and the difficulty can be solved after the client meeting.

**Activities:**

Team     In-class meeting & contacted client (3/4 hr), group meeting (1/2 hr)
YikNing  2.5 hr- Research, prepare question for client meeting, notebook, progress report
Tyler    3/4 hr- Research, prepare question for client meeting
Farshad  1/2 hr- Research, prepare question for client meeting
Jimmy    2 hr   - Research, prepare question for client meeting, notebook

**Team total hour for this week: 7 hrs**
**Cumulative team hours to date: 7 hrs**

**Remarks**
Jamie Brown was our communicator for the first week but had moved to another group.