

Progress Report 1

9/2/05-9/8/05

Project Title: Warning system for wheelchair

Team Members:

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Client:

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Advisor:

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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. 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, 1/2 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	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:

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.