Progress Report 8  
10/21/05-10/27/05

Project Title: Warning system for wheelchair

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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
To complete the project, the team will need to:

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. Completed circuit design

**Summary of Team Accomplishments:**
1. Obtained circuit board.

**Summary of Individual Accomplishment:**
1. YikNing wrote progress report

**Statement of Team Goals:**
1. Build the circuit design
2. Build external for the circuit design

**Project Schedule:**
<table>
<thead>
<tr>
<th>Date</th>
<th>Activity Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>9/2–9/8</td>
<td>Form team, select project, contact client, assign team roles, set up client meeting</td>
</tr>
<tr>
<td>9/9</td>
<td>Initial client Meeting</td>
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<tr>
<td>9/9–9/15</td>
<td>Literature search, meeting with client, create problem statement, begin PDS</td>
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<tr>
<td>9/16–9/22</td>
<td>Develop PDS, brainstorming, begin developing alternative designs</td>
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<tr>
<td>9/23–9/29</td>
<td>Brainstorming, developing alternative designs</td>
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<tr>
<td>9/30–10/6</td>
<td>Finalize three alternative designs</td>
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<tr>
<td>10/7–10/13</td>
<td>Finalize written report and PDS, finalize oral presentation</td>
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<tr>
<td>10/14</td>
<td>Oral Presentations</td>
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<tr>
<td>10/14–10/20</td>
<td>Hand in written report with PDS. Submit notebooks for advisor review.</td>
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<tr>
<td>10/21–10/27</td>
<td>Choose and develop final design</td>
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<tr>
<td>10/28–11/3</td>
<td>Continue work on final design, poster</td>
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<tr>
<td>11/4–11/10</td>
<td>Continue work on final design, poster</td>
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<tr>
<td>11/11–11/17</td>
<td>Continue work on final design, poster</td>
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<tr>
<td>11/18–11/24</td>
<td>Continue work on final design, poster</td>
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<tr>
<td>11/25</td>
<td>Thanksgiving</td>
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<tr>
<td>11/25–12/1</td>
<td>Continue work on final design, poster</td>
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<tr>
<td>12/2–12/6</td>
<td>Final poster presentation</td>
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<tr>
<td>12/7</td>
<td>Hand in final report, notebooks</td>
</tr>
<tr>
<td>12/9</td>
<td>Final meeting with advisor</td>
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**Difficulties:**
None so far

**Activities:**

Team In-class meeting (2 hr).

YikNing 0.5 hrs – Progress report, circuit design

Tyler 0.5 hrs – Circuit design, notebook

Farshad 0.5 hrs – Circuit design, notebook

Jimmy 0.5 hrs – Research sealed switches, got the keycard fixed.

**Team total hour for this week:** 2 hrs

**Cumulative team hours to date:** 76.75 hrs