Title: Device for acute rehabilitation of the paretic hand after stroke (Project #20)

Team: Medical College of Wisconsin: Dr. Michelle Johnson (client)
       Sasha Cai Lesher-Pérez (Leader)
       Mike Socie (Leader)
       Carly Brown (Communicator)
       Karissa Thoma (BSAC)
       Justin Lundell (BWIG)

Date: October 6, 2006 – October 12, 2006

Project Design Statement:
We will design a portable device that will facilitate hand rehabilitation in the acute phase (first three months) after stroke; the device will consist of a simple attachment to the impaired arm, comfort for the user and accommodations for almost complete universal use.

Restatement of Team Goals:
- Individual and team brainstorming
- Contact client
- Begin midterm paper
- Split up designs

Individual Goals:
- **Sasha Cai**: Design Arm Support, Work on Mid-semester Document,
- **Mike**: Work on Mid-semester Document, Design Interaction and Engagement Unit
- **Carly**: Work on Mid-semester Powerpoint, Design Interaction and Engagement Unit
- **Karissa**: Work on Mid-semester Powerpoint, Design Interaction and Engagement Unit
- **Justin**: Work on Mid-semester Document, Design Interaction and Engagement Unit

Summary of Accomplishments:
1) Contacted Client
2) Assign Design Roles
3) Time Chart Made
4) Began Midsemester Document

Team Goals:
- Finalize Mid-Semester Document
- Finish PPT
- Finalize Solidworks Designs
- Practice Mid-Semester
• Begin Research on Components

Difficulties:
Unsure of which form of electrical stimulators will be used within PT

Activities:
10/06/06 – Team Work Design Plans started 1 hour
10/07/06 – Mike, Justin, Sasha Cai worked on Midsemester Paper 2 hour
10/09/06 – Team Work: Contacted client 1 hour
10/09/06 – Team Work: Designing possible prototypes 1 hour

Timetable

<table>
<thead>
<tr>
<th>Project Tasks</th>
<th>Due Date</th>
<th>Team Hours Work</th>
<th>Mike</th>
</tr>
</thead>
<tbody>
<tr>
<td>Progress Report</td>
<td>Every Thursday</td>
<td>3</td>
<td>1.5</td>
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<tr>
<td>Solidworks of Designs</td>
<td>October 15, Sunday</td>
<td>10</td>
<td>2</td>
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<tr>
<td>Midterm Powerpoint</td>
<td>October 18, Wednesday</td>
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<td>Midterm Presentation</td>
<td>October 20, Friday</td>
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<tr>
<td>Midterm Paper</td>
<td>October 22, Sunday</td>
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<td>4</td>
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<tr>
<td>Clinical Visit</td>
<td>TBA</td>
<td>5 TBA</td>
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<tr>
<td>Client Visit</td>
<td>TBA</td>
<td>5 TBA</td>
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<tr>
<td>Components/Materials</td>
<td>October 30, Monday</td>
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<tr>
<td>Manufacturing</td>
<td>November 17, Friday</td>
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<td>18</td>
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<tr>
<td>Testing</td>
<td>December 1, Friday</td>
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<tr>
<td>Final Paper</td>
<td>December 4, Monday</td>
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