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 20, 2006 – October 26, 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:
- Research materials
- Visit Physical Therapy
- Work on internal details of final design
- Finalize mid-semester paper

Individual Goals:
- **Sasha Cai:** Research materials for computing/running game/interaction
- **Mike:** Research monitors
- **Carly:** Research material for “therapy cylinder” (possibly PVC), contact client about another meeting soon
- **Karissa:** Research materials for U-braces on arm support
- **Justin:** Research materials for base tray

Summary of Accomplishments:
1) Visited physical therapy
2) Started research on materials
3) Started specific internal designs for final design
4) Finished and turned in mid-semester paper

Team Goals:
- Research materials
- Start purchasing materials
- Arrange another meeting with client

Difficulties:
Activities:
10/20/06 – Give mid-semester presentation (in class)  2 hour
10/24/06 – Visit to Physical Therapy at UW (3 members)  2 hour
10/25/06 – Team meeting: materials and final design details  1.5 hour

Budget:
Total budget: $750
Spending this week: $0
Total budget remaining: $750

Timetable

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<tr>
<th>Project Tasks</th>
<th>Due Date</th>
<th>Team Hours Work</th>
<th>Mike</th>
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<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>
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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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<td>Midterm Paper</td>
<td>October 22, Sunday</td>
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<td>4</td>
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<td>Clinical Visit</td>
<td>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>
<td>10</td>
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<tr>
<td>Manufacturing</td>
<td>November 17, Friday</td>
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<tr>
<td>Testing</td>
<td>December 1, Friday</td>
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<td>Final Paper</td>
<td>December 4, Monday</td>
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<td>Final Powerpoint</td>
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<tr>
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