Project Identification

Project Title: Human Integrated Gripping Device
Week 9: March 28, 2006
Emily Pribanic

Work Completed

This week I worked on completing the index finger side of the ratchet system. The completed side can be seen below in Figure 1.

Figure 1. Index Side of Ratchet System

We also tested an idea of using rings for a support system by taping the ratchet to the glove to simulate the rings. This system worked well and we decided to make rings as the attachment system. These rings can be seen below in Figure 2.

Figure 2. a) Index Side Rings and b) Pinky Side Rings

Once these were complete I attached the rings of the index side to the glove by sewing them in the proper locations. I then placed the ratchet mechanism under the rings and sewed the ends in place. The finished product can be seen below in Figure 3.
Project Review

The prototype is not complete yet as thought it would be by last Friday, but it is well on its way and should be complete in the next few days.

Future Work

This week we will be wrapping up the end of our prototype development. Tomorrow I will be attaching the pinky side of the system and once this is complete the release mechanism can be put in place. By the end of Friday this prototype should be completed. Please refer to the timeline below in Table 1.

Table 1. Week 9 Timeline

<table>
<thead>
<tr>
<th>Task Name</th>
<th>Duration</th>
<th>Start</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>Attach rings to pinky side</td>
<td>1 day</td>
<td>Tue 3/28/06</td>
<td>Tue 3/28/06</td>
</tr>
<tr>
<td>Attach ratchet to pinky side</td>
<td>1 day</td>
<td>Tue 3/28/06</td>
<td>Tue 3/28/06</td>
</tr>
<tr>
<td>Sew in tubing for release mechanism</td>
<td>1 day</td>
<td>Wed 3/29/06</td>
<td>Wed 3/29/06</td>
</tr>
</tbody>
</table>

Hours Worked:
Emily- 10 hours