Motor Skills Tester

Client: Marina E. Emborg, M.D. Ph.D.
National Primate Research Center
Department of Anatomy

Team Members: Kailey Feyereisen (Leader)
                Gina Stuessy (Comm’s)
                Cali Roen (BSAC)
                Lacey Halfen (BWIG)

Week of October 22 through October 28, 2006

Problem Statement
Design an apparatus to test the fine motor skills of rhesus monkeys that minimizes the cognitive portion of problem solving; should be easy to clean, durable, adjustable for human testing, and attach to cage securely.

Last Week’s Goals
• PRELIMINARY REPORT: Assemble pieces of report and format. Due Wednesday.
• Fill out permission slips for machine shop
• Research materials
• Order or buy materials and begin construction on prototype

Summary of Accomplishments
• Team Meeting (10/24): Compiled individual parts of preliminary report and edited it.

This Week’s Goals
• Order materials
• Obtain permission slips for machine shop
• Finalize dimensions of final design

Individual Goals
Kailey: Materials research
Gina: Contact client for feedback about presentation & info about purchases to be made.
Cali: Update website with report
Lacey: Materials research

Rough Schedule
09/08-09/15: Met with client
09/15-09/22: Developed problem statement, researched, and began brainstorming
09/22-09/29: Continued brainstorming, assigned parts and assembled rough PDS
09/29-10/06: Developed preliminary design ideas, continued research, and began rough draft of mid-semester report
10/06-10/13: Continued work on mid-semester presentation/paper parts
10/13-10/20: Assemble PowerPoint, give presentation, and assemble report
10/20-10/27: Edit report and turn it in, begin focus on final design, locate materials
10/27-11/03: Order materials and begin work on prototype
11/03-11/10: Continue work on prototype
11/10-11/17: Continue work on prototype and begin testing if possible
11/17-11/24: THANKSGIVING
11/24-12/01: Assign parts of presentation, paper
12/01-12/08: Assemble presentation, edit paper, and give presentation
12/08-12/15: Hand in final report

Difficulties
Finding a meeting time to compile parts of the paper was difficult, but we eventually decided to meet whenever more than one of us was available. As a result, the paper went together fairly seamlessly.

Activities:

<table>
<thead>
<tr>
<th>Hours</th>
<th>Activity</th>
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</thead>
<tbody>
<tr>
<td>Kailey: 3.5</td>
<td>Editing paper, materials research</td>
</tr>
<tr>
<td>Gina: 3</td>
<td>Team meeting, notebook work, work on paper</td>
</tr>
<tr>
<td>Cali: 2</td>
<td>Team meeting, work on paper and notebook</td>
</tr>
<tr>
<td>Lacey: 3</td>
<td>Team meeting, work on paper</td>
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Hours to Date

<table>
<thead>
<tr>
<th>Hours</th>
<th>Activity</th>
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<tr>
<td>Kailey: 21</td>
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<td>Gina: 20</td>
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<tr>
<td>Cali: 19.5</td>
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<tr>
<td>Lacey: 19.5</td>
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Expenses
No expenses to date