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 November 5 through November 16, 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
• Get Lexan and possible epoxy or other adhesive from Bruce
• Begin construction of device

Summary of Accomplishments
• Group Meeting (11/10): Meeting to discuss goals for the week and design.
  Discussed in greater detail construction of the device and procurement of the
  materials.

This Week’s Goals
• TB tests so we can get into the lab and inspect current device in greater detail
  (obtain measurements and get better idea of system that the device will work in).
• Begin construction and finalize design for device.

Individual Goals
Kailey: Make sure group has required test to see monkeys
Gina: Contact client about possible meeting with client to see current device.
Cali: Put together rough schedule of times when at least two members will be able to
  work in the machine shop.
Lacey: Keep website current

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: Contacted Bruce about materials, submitted machine shop permission slips
11/03-11/10: Begin 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**
With midterms this week, the project is still lagging. Now that exams are over for some
time, we will kick the project into high gear.

**Activities:**

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<thead>
<tr>
<th>Hours</th>
<th>Activities</th>
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<tbody>
<tr>
<td>1</td>
<td>Kailey: Team meeting, design finalization/detailing construction</td>
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<tr>
<td>1</td>
<td>Gina: Team meeting, emailing</td>
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<tr>
<td>0.5</td>
<td>Cali: Team meeting, materials research</td>
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<tr>
<td>0.5</td>
<td>Lacey: Team meeting, work on website, materials research</td>
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**Hours to Date**

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<thead>
<tr>
<th>Hours</th>
<th>Kailey:</th>
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<tr>
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<td></td>
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**Expenses**

No expenses to date