

PROJECT COMPLETE

Cell Phone and Hearing Aid Interface

Client: William E. Fahl, Ph.D.

Team Members: Leah Brandon (Leader)
Adam Dahlen (Communications)
Nathan Kleinhans (BWIG)
Sara Worzella (BSAC)

Advisor: John Webster

September 9 to September 13, 2005

Problem Statement

Currently, when a cell phone is held up to such a hearing aid the wearer experiences feedback squealing. However, removing the aid isn't an acceptable solution because in-ear aids are small slippery pieces of plastic worth around \$1,500. The goal is to create an interface that allows people requiring in-ear hearing aids to utilize their cell phones without experiencing feedback squealing, damage, or loss of the aid.

Summary of Team Accomplishments

- Met with client
- Wrote summary of findings for client use
- Completed project

Project Difficulties

- None, project completed

Project Schedule

Week 1	form teams, select a project, contact and meet with client
Week 2	literature search, meet with client, begin assigning PDS parts
Week 3	literature search, develop PDS and review as a team
Week 4	brainstorm design ideas
Week 5	decide on three alternative designs
Week 6	work on oral presentations and written report
Week 7	oral presentations: hand in report, PDS, design notebooks
Weeks 8-11	decide upon final design, work on prototype
Weeks 12-14	prepare for final presentations (Dec 2), finish final design
Week 15	hand in written report and notebook to advisor (Dec 7) and final advisor meeting (Dec 9)

Activities

Leah Brandon:
Client Meeting .5hrs

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<i>Progress Report</i>	<i>.5hrs</i>
<i>Internet Search</i>	<i>1hr</i>
<i>Summary of findings</i>	<i>1hr</i>
<i>Total</i>	<i>3hrs</i>

Adam Dahlen:

<i>Client Meeting</i>	<i>.5hrs</i>
<i>EMF coatings research</i>	<i>2hrs</i>
<i>Total</i>	<i>2.5hrs</i>

Nathan Kleinhans:

<i>Client Meeting</i>	<i>.5hrs</i>
<i>Current designs Research</i>	<i>1 hr</i>
<i>Webpage implementation</i>	<i>2hrs</i>
<i>Total</i>	<i>3.5hrs</i>

Sara Worzella:

<i>Client Meeting</i>	<i>.5hrs</i>
<i>Hearing Aid Research</i>	<i>1hr</i>
<i>Total</i>	<i>1.5hrs</i>

Team Total Hours this week: 10.5hrs

Team Total Hours to date: 19.5 hrs

Expenses

- No expenses to date