Human-Computer Interaction
20% of your final grade
Project #6 – User Evaluation
Assigned: Monday, 3/9/15
Due: Wednesday, 4/22/15, midnight

NOTE THE UPDATE TO SIGN YOUR FINAL REPORT

Conducting the Study
Conduct the study you propose and pilot tested. Attach two photos of some of the people participating in your study (if appropriate) and/or transcripts of participants as appendices to your final report. Ensure you get permission from subjects for taking their picture.

Undergraduates: you must run at least 16 participants through your study (unless okayed by the professor to run fewer) – 2 points per participant
Graduate students: you must run at least 30 participants through your study (unless okayed by the professor to run fewer) – 1 point per participant

Presentation

Each talk is two minutes and 30 seconds in length (6 slides, estimate each should last 25 seconds each. PRACTICE!. Aim to finish about 10 seconds early. If you go over, you will have to stop immediately.

Email link to TA Diego so he can create a webpage with everyone’s presentation by Sunday, 4/19/15. Make sure you use the PPT format (NOT PPTX). I would recommend testing it on the classroom computer.

Goal: explain at a high level what your study was, and what you found. The paper report will have all the details. Suggested format:

Slide 1 – Title, your name, problem to be addressed
Slide 2 – Screenshot or images of existing system
Slide 3 – Screenshot or images of your system
Slide 4 – User study conditions (include # of participants and rationale)
Slide 5 – Results and analysis (include means, standard deviations, and p values)
Slide 6 – Conclusions
After 2:30 your talk will end.

Grading:
Presenting within the allotted time - 5 points
Presenting properly study design and results – 5 points

Project Report (60 points)
Submit PDF to via Canvas on April 22nd (for everyone).

3 pages, 1” margins, single space, 12 pt font, PDF.

Page 1 –

When submitting your report, put the following statement at the top of your report: “On my honor, I have neither given nor received unauthorized aid in doing this assignment.” and each person sign below the statement.

Study Design Changes – explain any changes to the study design from the original proposal

Analysis – For each primary and secondary hypotheses: present statistical analysis (including at least: the name of the statistical test (5 points), number of participants in each condition, means, standard deviations, t-values, p-values). Discuss hypothesis accept/reject. Correctly presenting and analyzing statistics to accept or reject each hypotheses – 30 points

Page 2-3 - Discussion–

1. For each hypothesis, discuss what the results *mean* to developers, designers and users. Do not simply restate the hypothesis. – 20 points
2. Discuss any aspects of the project worked out as you anticipated.
3. Discuss any aspects of the project that worked out differently than you anticipated.
4. Propose HCI guidelines that derive from having run this study. – 10 points

Appendix (3 page limit, though we won’t be grading this section) can include graphs, tables, and images. Include an image or two of a few participants using your interface. Include screen shots of your interface.