INFOST 547
User-Centered Interaction Design
Instructions for Usability Testing

Overview
Conduct a usability test on the user interface for which you created a high-fidelity prototype in the preceding assignment. Use that prototype for your testing. You will need to recruit 3 subjects, and create multiple data collection instruments including questionnaire, think aloud and interview. Data analysis needs to focus on how to improve the design of the interface.

The Prototype
Use the prototype that you created for the preceding assignment.

Subject Recruitment
You will need to recruit at least 3 subjects for testing. These may be family members, coworkers, neighbors or fellow students. Prepare a brief disclosure document with which you will document the informed consent of each of your subjects. This document should address the following issues:

- The identity of the subject will not be disclosed
- The nature of the prototype and the testing
- The activities involved in testing
- The data that will be collected
- The purposes for which the data will be used (student project)
- The persons with whom the data will be shared (course instructor)

Please have each subject sign a copy of the disclosure document. Store the disclosure documents with your materials for the project. DO NOT SUBMIT the disclosure documents.

As the deliverable for this portion of the assignment, submit a blank copy of the disclosure document and your statement that all subjects agreed to and signed copies of the disclosure document.

Data Collection Instruments
Design three data collection instruments for testing the prototype. These should include:

1. Questionnaire
2. Think Aloud Session
3. Interview

As the deliverable for this portion of the assignment, submit a copy of each data collection instrument. For the questionnaire, submit a blank questionnaire form. For the think aloud session, submit a copy of the instructions provided to the subject. For the interview, submit a copy of the interview plan and questions.

Collected Data

As the deliverable for this portion of the assignment, submit a collected example of each of the three data collection activities:

1. Questionnaire: submit a copy of a completed questionnaire.
2. Think Aloud: submit a copy of your notes made after listening to the recording of the think aloud session.
3. Interview: submit a copy of your notes from the interview

Do not submit the recorded think-aloud session. Do not submit any material that includes the subject's identity.

Recording of think aloud sessions may be done with the TechSmith Relay product. Details on this product are available at http://uwm.edu/informationstudies/resources/it/ .

Data Analysis

For each of the three data collection instruments, summarize and analyze the data collected. Explain your findings in terms of your decisions to keep the user interface as is or to make further improvements.

As the deliverable for this portion of the assignment, submit a written summary for each data collection instrument type. Include any data tables or graphs that you may have used while analyzing the data.

Length and Style Requirements

Your submission should include each of the deliverables identified above, presented in order. Your report will look like a collection of smaller documents. Please place an identifying cover page at the beginning of this compound document.

Format

Submit 1 PDF document. To combine the components into a single document, use a software tool like Adobe Acrobat Pro. This tool is available as part of the SOIS Virtual Computer Lab (http://uwm.edu/informationstudies/resources/it/).

File Naming Conventions

The name of the file which you submit should be consistent with the following model:

lastName_firstName_usability_testing.pdf

Submission Deadline

The submission deadline and dropbox to which the assignment should be submitted will be indicated in the Weekly Schedule.

Grading

A separate grading rubric document will be posted to the Weekly Schedule.