

Exercise 8 – Mensch-Maschine-Interaktion 1

Task 1: Conduct a Pretest

Run the study with one of your fellow MMI students (but not a member of your team!). Do it the same way you plan to perform it with your actual test persons, meaning you have two roles – observer and computer – and following your user study script.

Look out for problems with your study design (e.g. it might take too long to complete the study) or your prototype (e.g. task doesn't work at all like expected). Refine your prototype and study design if needed and write a short summary (about 10 sentences) about the problems that occurred and your solutions.

Task 2: Run the User Study

1. Paper-Prototype Test

Run the paper-prototyping usability test with five different testers (who are not MMI students!) to evaluate your concept. Remind the tester that the prototype is evaluated (not the tester) and ask him/her to think aloud.

During the test videotape the tester and paper prototype. If you do not have a video camera, you can also use still images instead.

The observer protocols (1) what happens and (2) what the tester comments or "thinks aloud".

Rotate the roles so each team member at least once was the observer and the computer.

Prepare a sheet with an overview of your test which looks like that:

Test 1			
Roles	Duration	Subject	General Observations
Observer: Michi Computer: Anna	13 min	male; 20 years; student	What the observer wrote down
Test 2			
...			

2. Interview

Subsequent to the test, the observer asks the questions. Print out the questionnaire, but do not let the tester fill it out silently. Rather ask the questions in a conversation. That way your findings are not limited to the questionnaire items and you can find out about things you have not thought of earlier.

3. Write a summary

Summarize the general observations and the answers to the questionnaire of the study. Add diagrams where helpful. Furthermore, think about how the insights you gained in the usability test would influence a further development. For example, if the next step in an iterative design process would be developing another prototype, what would you modify based on the lessons you have learned in this test? (15-20 sentences)

Task 3: Present your Data

Prepare a short presentation of your user study results (5-10min).

The presentation should contain your findings from the pretest, your observations, questionnaire results and your conclusions.

Use this opportunity to address questions to the other groups.

The presentation will be given in your next tutorial by one of your team members.

Bring everything you need for your presentation to the next tutorial!

Submission:

- Submit your pretest summary, your table about the five tests and the summary of your user study and include some photos from it (all in one **PDF**) via UniWorx.
- Deadline: 07.07.2010 8:00
(**Late submissions** or submissions via eMail will not be accepted!)