Exercise 4

Task 1:
You heard about the necessity of pilot studies. Do you agree? Wouldn't it be better to "customize" your study for each individual "on the fly" while conducting the study?

Task 2:
Create a small questionnaire (5-10 questions) for an interview on mobile input methods. Keep in mind what you have learned in the lecture about interviews and questionnaire design.

Task 3:
Describe when and where radical change and incremental change takes place during the Design Research. Especially emphasize the reasons for it.

Task 4:
In the lecture, you heard about focus groups and personal interviews. Although both methods have their own advantages and disadvantages, both can be used to find users' needs and do a user research. In which context would a personal interview or a focus group be more appropriate?

Task 5:
Find at least two images on the internet (be careful about the copyright and name the source of your picture), one which is a sketch, and one that isn't. Give reasons why you chose this image and how you decided which category is the appropriate one.
What's the difference between sketch and prototype? When do you use which?

Task 6:
Discuss the value of state transition diagrams in addition to storyboards.

Task 7:
In the lecture you discussed intensively if linear pop-up menus or pie menus as pop-up are better.
On the right you see a linear and a pie menu pop-up. The red cross indicates the pointer position when the menu pops up. Calculate which menu is faster if a user selects "0", "4" and "7" during a task. Note that the user has to right click to see the menu before each selection.
Use a = 100ms and b= 200ms.

Task 8:
Describe Hick's Law in your own words. How can you use it when designing a user interface?

Submission
Submit your solution as PDF or TXT to UniWorx (http://www.pst.ifi.lmu.de/uniworx).
Deadline: 20.06.2011 10:00am