Aalto University School of Arts, Design and Architecture

# Reading material discussion Heuristic evaluations Sneak preview for week 6

MUO-E3055 Interaction Design (IxD) 9 February 2024 Antti Salovaara

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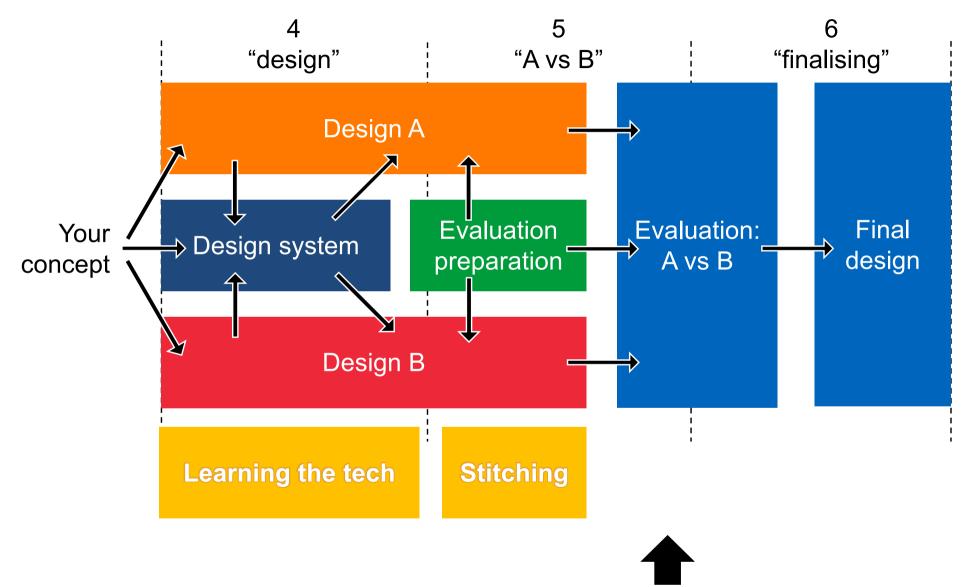
#### **Evaluation status across groups**

Which groups have completed the evaluations?

Which groups are finishing them before Monday?

Which groups will probably continue them next week?

#### Weeks 4–6 in detail



# **Reading material discussion**

13:00-13:45

#### **Reading materials for week 5**

Getting the Right Design and the Design Right: Testing Many Is Better Than One				
Maryam Tohidi William Buxton University of Toronto Microsoft Research Toronto, Canada Toronto, Canada mtohidi@dgp.toronto.edu bill@billbuxton.com	Ronald Baecker Abigail Sellen University of Toronto Microsoft Research Toronto, Canada Cambridge, UK			
ARTINGT We present a mady comparing sublidly teeling of a single interface. versus these functionally explorated the interface versus theory function that we have present the single set of the single set of the single and were more relaxiant to existent than when presenting and were more relaxiant to existent than when present and the single set of the	which of the duration of the interact (1). It, the sequences are of page prototypes a moltype using (2). The primary benefit in this case is to provide an interpretive type of the solar primar in the provide and in primary distribution of the solar primary interaction of the solar primary interaction of the solar primary o			
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	<sup>1</sup> Alistair Hamilton, VP Design, Symbol Corp. Personal Communication.			

#### Tohidi et al (CHI2006):

Getting the right design and the design right: Testing many is better than one

https://dl-acmorg.libproxy.aalto.fi/doi/10.1145/11 24772.1124960



#### Goodman & Kuniavsky (2012):

Chapter 11: Usability tests

https://pdfroom.com/books/observingthe-user-experience-second-edition-apractitioners-guide-to-userresearch/wW5mwke4gYo

#### or

https://primo.aalto.fi/permalink/358AA LTO\_INST/ha1cg5/alma99856894440 6526

## **Quiz questions**

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1. In their study, Tohidi and her colleagues found that when users saw only one UI, they gave higher ratings to it compared to a situation where they saw the same interface alongside with two other UIs. How do Tohidi et al. explain this, or what do you think was the reason for this?

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2. In their book chapter on usability tests, Goodman and Kuniavsky give a suggestion on what kind of participants are best for an evaluation. What kind of users do they suggest and what reason do they give for their opinion?

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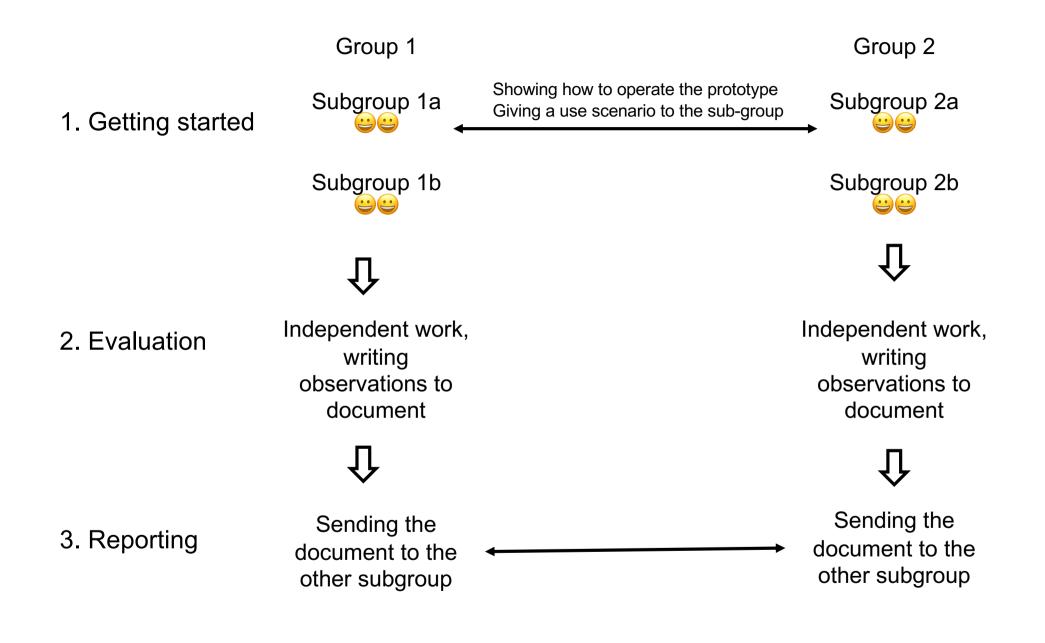
 From Goodman and Kuniavsky's suggestions for opening ("Introduction") part of a usability session, select one important issue that needs to be discussed, and explain why it is important.

# **Heuristic evaluations**

14:00-15:15

## Heuristic walkthrough evaluation

- 1. Divide your group in 2–3 person sub-teams
- 2. Find another sub-team who sits close to you
- 3. In these pairs of sub-teams:
  - 1. Present your usability test scenario
  - 2. Demostrate how the prototype can be operated
  - 3. Share the prototype to the other team so that they can use it
- 4. In the sub-team, working on your own, carry out a heuristic walkthrough
  - 1. Download an evaluation template from <u>http://bit.ly/3JYLTsm</u>
  - 2. Select the usability heuristics that you will follow
  - 3. Following the usability test scenario, "walk through" the prototype
  - 4. Record usability/UX problems to the template
  - 5. Aim for 20 problems
- 5. At 16:00 latest, upload the evaluation report in PDF via MyCourses:
  - 1. Name the file with prototype's name (such as "Reset.pdf")
  - 2. <u>https://mycourses.aalto.fi/mod/publication/view.php?id=1159676</u>
  - 3. Note: all the files will be immediately visible to everyone



## **Usability criteria (Norman)**

Use both knowledge in the world and in the head

Simplify the structure of tasks

Make things visible

Get the mappings right

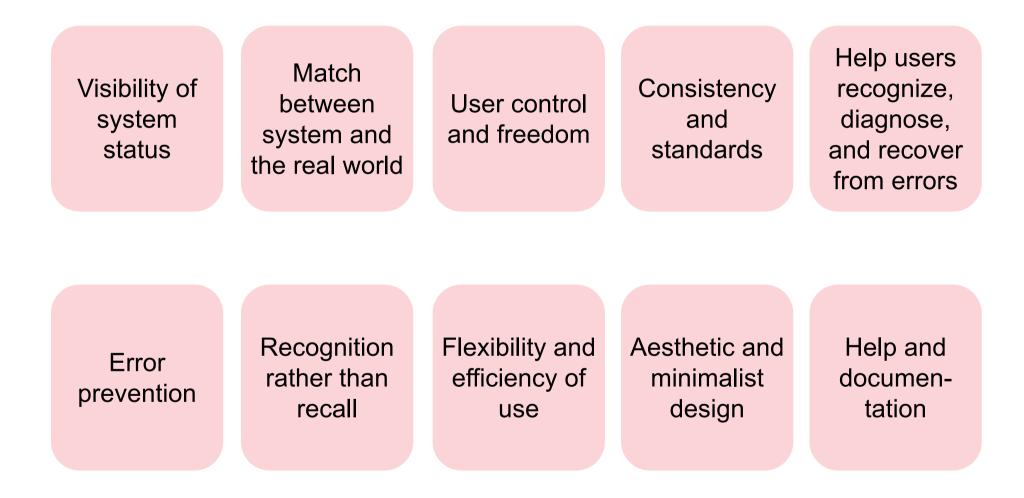
Exploit the power of constraints

Design for error

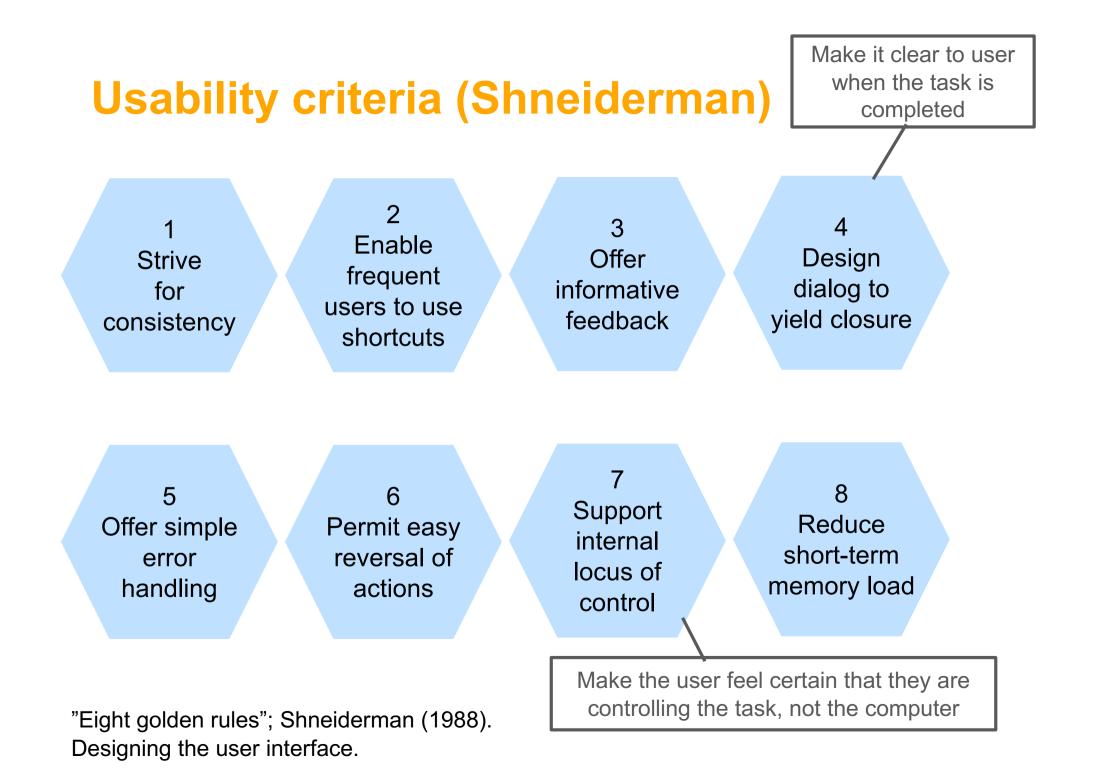
When all else fails: Standardize!

"Seven principles for transforming difficult tasks into simple ones"; Norman (1988). The psychology of everyday things.

## **Usability criteria (Nielsen)**



"Usability heuristics"; Nielsen (1993). Usability engineering. https://www.nngroup.com/articles/ten-usability-heuristics/



# **Sneak preview for week 6**

Affinity diagrams as a data analysis method

#### https://vimeo.com/409695632

1 :

### Have a nice weekend!