

# Unit 11 - Week 8: User-Centric Design Evaluation

## Course outline

How does an NPTEL online course work?

Week 0: Assignment on Prerequisites

Week 1: Introduction

Week 2: Engineering User-Centric Systems

Week 3: User-Centric Computing

Week 4: Computational user models (classical)

Week 5: M5-Computational user models (contemporary)

Week 6: Formal system models

Week 7: Empirical Research Methods

Week 8: User-Centric Design Evaluation

● Lec 29: Introduction to user-centric design evaluation and expert evaluation technique

● Lec 30: User evaluation, empirical and model-based evaluation

● Lec 31: Concluding remarks

○ Quiz : Assignment 8

○ Weekly feedback form for week 8

● Solution: Assignment 8

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## Assignment 8

The due date for submitting this assignment has passed.  
As per our records you have not submitted this assignment.

**Due on 2020-03-25, 23:59 IST.**

1) Which of the following is NOT true regarding 'Expert Evaluation'?

1 point

- It is used for quick and cheap evaluation  
 It is typically done at the early stages of design  
 Low fidelity prototypes cannot be used  
 An evaluation team is required with 3-5 members

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
*Low fidelity prototypes cannot be used*

2) Match the following:

Questionnaire	Type of questionnaire
I. SUS	A. Post-task questionnaire
II. ASQ	B. Post-session questionnaire

1 point

- I->A, II->A  
 I-> A, II->B  
 I->B, II->A  
 I->B, II->B

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
*I->B, II->A*

3) Suppose you have followed SUS method for evaluating an interactive system and got the following ratings for the ten statements used in the SUS questionnaire. S1→5, S2→3, S3→4, S4→4, S5→1, S6→2, S7→5, S8→3, S9→2, S10→4. Calculate and report the overall score of the system based on SUS according to the above ratings.

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
*(Type: Numeric) 52.5*

1 point

4) SUS score should be \_\_\_\_\_ for a usable interactive system.

1 point

- 50 percent or higher  
 60 percent or higher  
 70 percent or higher  
 80 percent or higher

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
*70 percent or higher*

5) Model-based evaluation comes under \_\_\_\_\_ of usability evaluation techniques.

1 point

- semi-automated method  
 non-automated method  
 automated method  
 expert evaluation method

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
*automated method*

6) Drawback of cognitive walkthrough method is

1 point

- this method is scenario-based  
 this method needs high end systems  
 this method requires high fidelity prototype  
 this method requires a big team

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
*this method is scenario-based*

7) Which of the following is NOT the part of Nielsen's 10 heuristics?

1 point

- User control and freedom  
 Error prevention  
 Consistency and standards  
 User cognition and expertise

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
*User cognition and expertise*

8) Empirical study involves elaborate setup and expertise to collect and analyze data.

1 point

- True  
 False

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
*True*

9) The first heuristic in Nielsen's 10 heuristics is the 'visibility of system status'. The status of a system should be visible within.

1 point

- 250 milliseconds  
 500 milliseconds  
 1 second  
 2 seconds

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
*500 milliseconds*

10) Non-automated methods include expert evaluation and evaluation with self-reports.

1 point

- True  
 False

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
*True*