Exam in course 1MD034, System design with a user perspective

Location: Danmarksgatan 30 sekt 1			Time:-2022-03-10, 14:00 - 19:00						
Your anonymous exam code:			-				-		
Term and year when you were first reg	istered for the o	course	Study p	orograms	s (or simi	lar)			
Time for submission			Table number						
INSTRUCTIONS Check that you have received the coalways be submitted and the cover pyour anonymous exam code on each The exam will NOT be corrected if you be displayed at Studium after the reserved in the reserved in the reserved in the second in the seco	page must be con sheet. Do not you have not registed that been reposed from the provided on the control of the	mpleted e write on the stered for ported to he sheets s. Selection	even if no ne back of the count Ladok. Incons on of each	o question of the parse. The istent and ch wrong answer o	ens have ges and final resu swers an alternati	been cor do not us alt (points d answe we may I n be inte	mpleted. se a red s and gra rs with ead to p	Write pencil. ades) will oint	
POINTS AND SCORE AND PRELIN In the exam, two types of points are of the course and the squares (14 For grade 3, 25 \(\triangle \) points For grade 4, 28 \(\triangle \) points For grade 5, 32 \(\triangle \) points	given. The trianç l in total) implem are required. and 8 ☐ poin	gles (nentation ts are req	total of 3 and anal uired.	34 points ysis.) corresp	ond to ba	asic kno	wledge in	
POINTS OBTAINED				25					
	4 5	6	7	8	9	10	11	Σ	
					9	10	11		

Grade:

 What questions should be addressed during a daily Scrum? Note: Each wrong answer will lead to point deductions (the minimum points in a question is 0) 	3
What is preventing me or the team from meeting the goal?	
What should I do tomorrow?	
What should I do today?	
Who will lead the work on the next task?	
What did I do yesterday?	
Which task/tasks from the Product backlog should we include in t	he sprint?
What did I do today?	
2. When is a so-called Product backlog in Scrum finished?	2
At which point in the scrum cycle does the project team handle new requirements?	

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 Briefly describe "Hierarchical Task Analysis". Describe the major steps to perform it as we discussed in the lecture on "Prototyping & User-centered design".

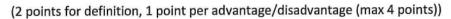


5. What is the difference between low-fidelity vs high-fidelity prototypes?



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What is Expert evaluation/usability testing? Describe two advantages and two disadvantages of expert-based, compared to the user-based usability evaluation.





7. Participatory Heuristic Evaluation: Note: each wrong answer will lead to point deductions (the minimum points in a question is 0)	
Can only be used to test the usability of the "final" product	2
A participant and usability expert perform an evaluation together	
Half of your users test one version while the other half tests the other one	
Only UX experts perform it	

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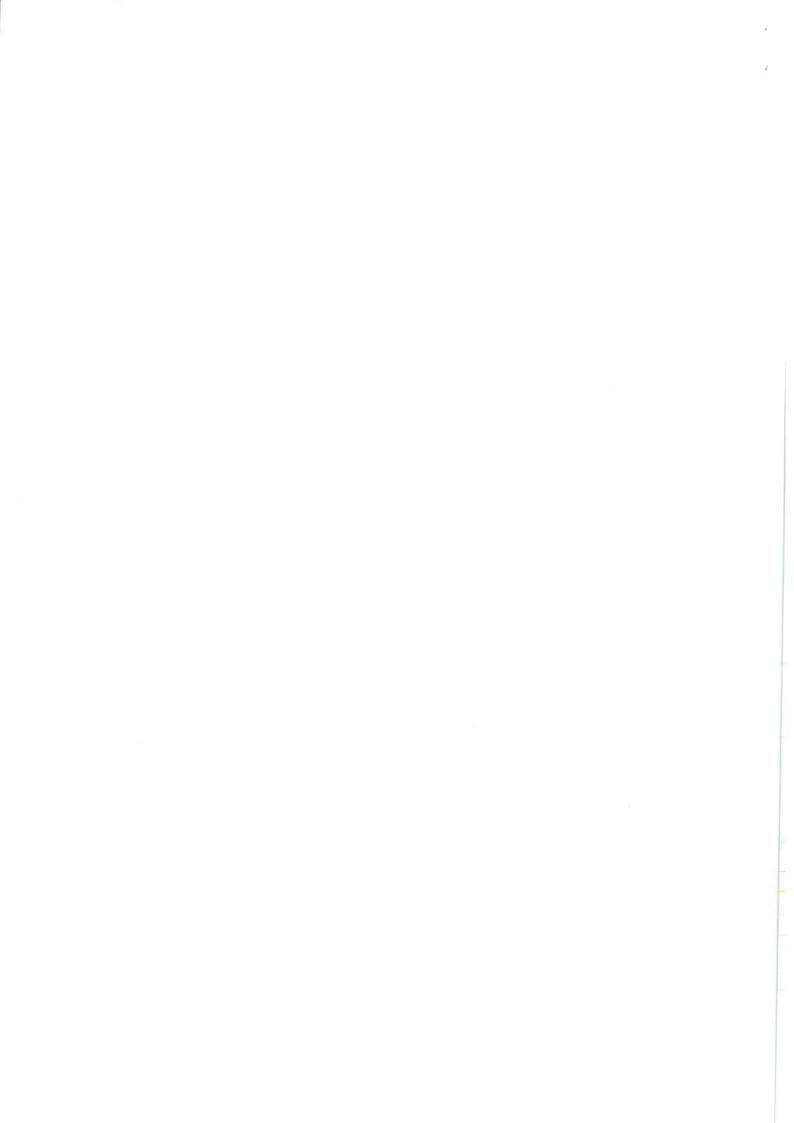
 Describe two examples of so-called dark patterns in system design and motivate why each example is ethically questionable to implement. (1 point per example, 1 point per motivation)



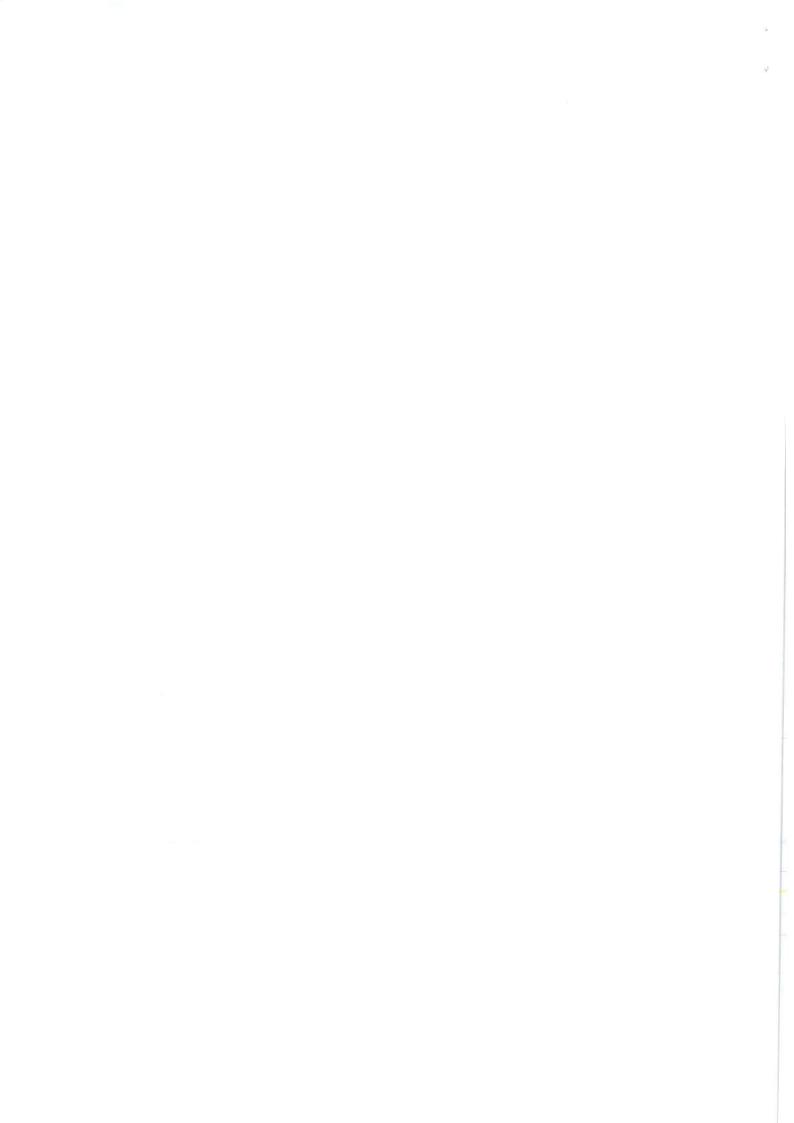
- 9. Briefly describe how to conduct the two evaluation methods "think-aloud protocol" and "heuristic evaluation". Compare the pros and cons of the methods and give examples of when it is appropriate to use which method (give one example for each method).
 - (2 triangle points per evaluation method, 4 square points for comparing pros and cons with examples. Use the next page also)







Q.9.....



This task tests understanding of higher grades and is only corrected if the sum of tringle tasks reaches the pass mark.

Usability is defined in ISO 9241-210 (2010) as "[The] extent to which a system, product or service can be used by specified users to achieve specified goals with effectiveness, efficiency and satisfaction in a specified context of use". Compare this definition of usability with designing for positive friction, as described in the video by Per Axbom. Explain what he means by positive friction, and describe and motivate in what way(s) positive friction goes hand in hand with the definition of usability and/or contradict the definition of usability. Provide examples to illustrate your conclusions.

(1 point for description, 4 points for argumentation and motivation)

5

- 11. Part B for this question tests understanding of higher grades and is only corrected if the sum of tringle tasks reaches the pass mark. Briefly describe five of the ten heuristics/principles for interaction design that was presented in the paper by Nielsen and Molich. Use the heuristics/principles you have described to identify potential usability problems in the interface pictured below (figure A is the search area in Digitala Vetenskapliga Arkivet, figure B shows some details and figure C are excerpts from the "help information"). Motivate why you believe that you either have or have not, identified usability problems.
- 5



- A. 1 tringle point per heuristic described
- B. 1 square point per motivation/use of the heuristics)

Figure. A

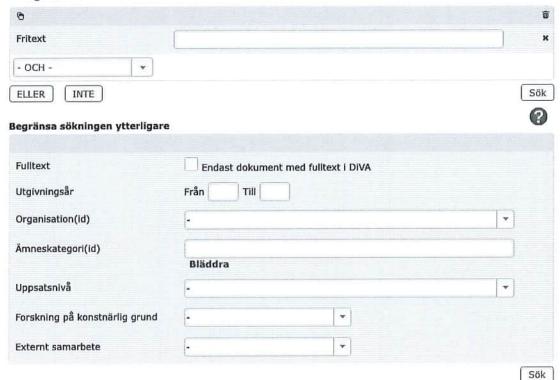


Figure B



Figure C

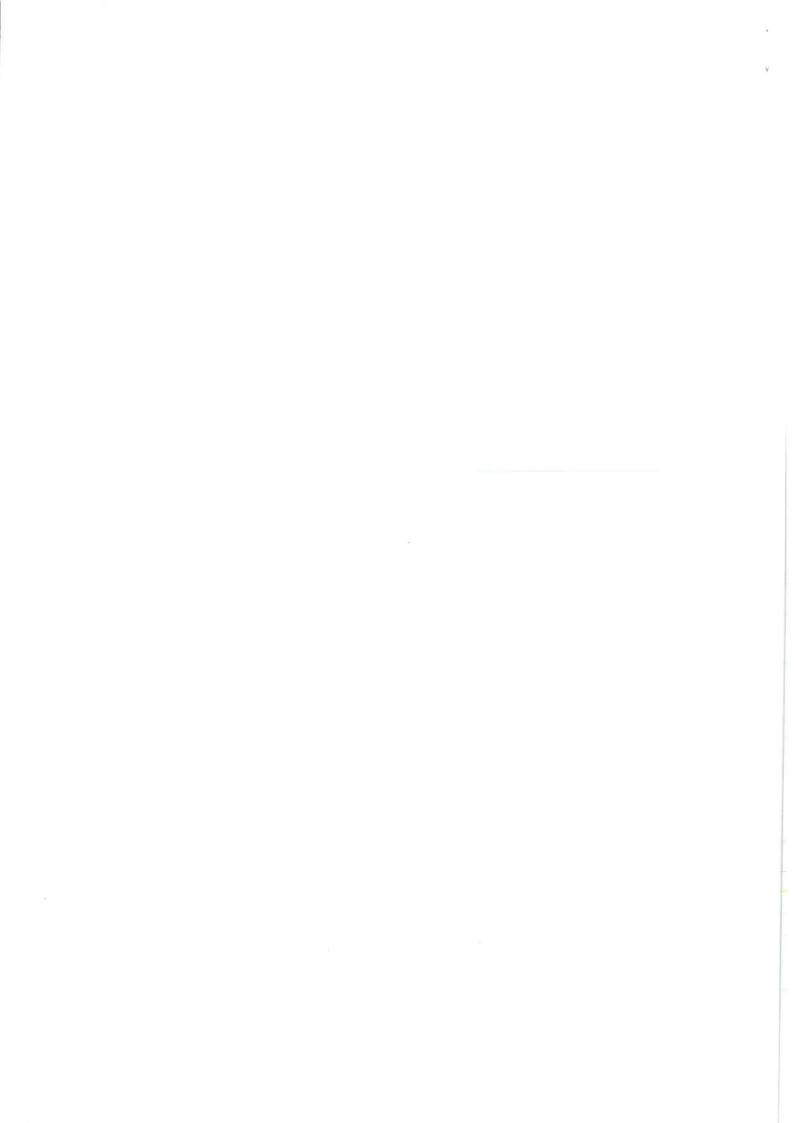
OCH - ELLER - INTE

Inom varje sökblock OCH. Sökning på flera publikationstyper som inte innehåller samma fält.

Exempel: Vill söka på artiklar med status "publicerade" samt rapporter som saknar "status"fältet. Om man söker i ett block slår får man endast träff på publicerade artiklar, men inga rapporter.

Lägg till två sökblock. I det första väljer man artikel som publikationstyp och publicerad som status. Därefter lägger man till ett nytt block genom att trycka på ELLER-knappen. I det blocket väljer man rapport som publikationstyp. På det sättet får man artiklar som är publicerade, plus rapporter. (Om man sedan vill begränsa sökningen till Övrigt vetenskapligt så väljer man det i den nedersta blocket, det med rubriken "Begränsa sökningen ytterligare").

Q.10



Q.10....

