Personal Characteristics		Pariya Kashfi	Agneta Nilsson	Robert Feldt
1. Interviewer/facilitator	Which author/s conducted the interview or focus group?	X		
2. Credentials	What were the researcher's credentials? E.g. PhD, MD	Ph.Lic; PhD Candidate	PhD	PhD
3. Occupation	What was their occupation at the time of the study?	PhD candidate , software engineering, Chalmers University	Senior lecturer, software engineering, Chalmers University	Professor, software engineering, Chalmers University
4. Gender	Was the researcher male or female?	female	female	male
5. Experience and training Relationship with participants	What experience or training did the researcher have?	Four years experience in doing qualitative research in both empirical software engineering and human- computer interaction. Formal training in research methods as a graduate student	Extensive experience in doing qualitative research in both empirical software engineering and information systems research. Formal training in research methods as a graduate student.	Extensive experience in doing both qualitative and quantitative research in empirical software engineering. Formal training in research methods both as a graduate student and in faculty "courses" in preparation for associate professorship"
6. Relationship established	Was a relationship established prior to study commencement?	The first author communicated with the participants a couple of times prior to the interviews, via email or telephone. The aim was mainly to introduce herself and the other two authors, her research, the aim of the study and the study setting		
7. Participant knowledge of the interviewer	What did the participants know about the researcher? e.g. personal goals, reasons for doing the research	Information about the research, her background (both academic, industrial), research interests, study goals, research goals etc. were presented to the interviewees prior to starting the interviews		
8. Interviewer characteristics	What characteristics were reported about the interviewer/facilitator? e.g. Bias, assumptions, reasons and interests in the research topic	Our assumption was that UX is not understood well in software industry and that there is a need to bridge between the knowledge and understating from human-computer interaction to software engineering to support improvement of UX practice in software industry. Introduction section includes more information about the gap was saw in current literature and our view of how our study can help filling the gap		

9. Methodological orientation and	What methodological orientation was stated to underpin the	The study was inspired by grounded theory, however, not all the steps were formally	
Theory	study? e.g. grounded theory, discourse analysis,	followed. Rather, we used the concepts of coding, and thematic analysis to code and	
	ethnography, phenomenology, content analysis	analyze the data	
Participant selection			
10. Sampling	How were participants selected? e.g. purposive, convenience, consecutive, snowball	Purposive (based on their role and background, industry and projects involved in) but also convenience since we were looking more for interviewees at Sweden to be able to perform face-to-face interviews. The diversity of the interviewees roles and background was also important for the explorative nature of our study as explained in method section . We specifically looked for practitioners with both software engineering and UX-related roles and background. This is summarized in Table 1 in method section . Table 1 in method section presents a summary of the participants' roles and different companies	
11. Method of approach	How were participants approached? e.g. face-to-face, telephone, mail, email	4 skype/telephone, 13 face to face	
12. Sample size	How many participants were in the study?	17	
13. Non-participation	How many people refused to participate or dropped out? Reasons?	none	
Setting			
14. Setting of data collection	Where was the data collected? e.g. home, clinic, workplace	Workplace of the participants	
15. Presence of non-participants	Was anyone else present besides the participants and researchers?	no	
16. Description of sample	What are the important characteristics of the sample? e.g. demographic data, date	The diversity of the background, roles and projects involved in was important for the explorative nature of our study as explained in method section . We specifically looked for practitioners with both software engineering and UX-related roles and background. This is summarized in Table 1 in method section	
Data collection			
17. Interview guide	Were questions, prompts, guides provided by the authors? Was it pilot tested?	Yes, yes, the interview guide can be found in Appendix	
18. Repeat interviews	Were repeat interviews carried out? If yes, how many?	no	
19. Audio/visual recording	Did the research use audio or visual recording to collect the data?	All interviews were audio recorded	
20. Field notes	Were field notes made during and/or after the interview or focus group?	Some notes were also took during the interviews to record important topics discussed	
21. Duration	What was the duration of the interviews or focus group?	~1 hour	

22. Data saturation	Was data saturation discussed?	Yes, in parallel with data gathering the authors constantly discussed the initial findings	
		and after 17 interviews the three authors agreed that data saturation is achieved, this is also explained in method section briefly	
23. Transcripts returned	Ware transprinte returned to participants for comment		
23. Transcripts returned	Were transcripts returned to participants for comment and/or correction?	No, since the transcript were generated from the audio recording and were precise and reliable	
Domain 3: analysis and findings			
Data analysis			
24. Number of data coders	How many data coders coded the data?	The first author did the coding, however a pilot coding was performed to assure consistency and reduce researcher bias, this is explained in method section	
25. Description of the coding tree	Did authors provide a description of the coding tree?	Yes, a list of the codes is provided as appendix and explained in the method section	
26. Derivation of themes	Were themes identified in advance or derived from the data?	Derived from data, presented as 11 challenge categories in result section	
27. Software	What software, if applicable, was used to manage the data?	TAMS analyzer for coding, excel for communicating the coded segments, and memoing	
28. Participant checking	Did participants provide feedback on the findings?	all of the participants received a copy of the paper to provide feedback but no one provided any detail feedback.	
Reporting			
29. Quotations presented	Were participant quotations presented to illustrate the themes / findings? Was each quotation identified? e.g.	Yes, yes (id of the company, and id of the interviewee). For each quotation used in the result section this information is given.	
	participant number	e.g. " Usability is easy to talk about and everybody understands it." (A-1).	
30. Data and findings consistent	Was there consistency between the data presented and the findings?	Yes, our interview findings are consistent with the findings of previous studies in this topic. This is discussed in detail in the discussion section of the paper	
31. Clarity of major themes	Were major themes clearly presented in the findings?	Yes, The result section extensively presents these themes and connects them to the interview quotations. These themes are basically the 11 challenge categories presented in this section	
32. Clarity of minor themes	Is there a description of diverse cases or discussion of minor themes?	Yes, The result section extensively presents these themes and connects them to the interview quotations, also the major themes	