

Interview instrument

1	General questions
1.1	What is your current position in your company?
1.2	How many employees are working in the software development part of your company?
1.3	How long do your projects take approximately?
1.4	What is the software development methodology of your company?
1.5	How long have you been working with artifacts since you started your career in software development?
2	Properties of the artifacts
2.1	How many artifacts do you work with on average in one project or in parallel?
2.2	What percentages of them are textual, sketch and formal diagram approximately?
2.3	Which notation do you use for your artifacts?
2.4	Other than PC monitors, do you use any means to work with artifacts? Can you tell me the reason why you use them?

2.5	How many of your visual artifacts approximately does fit your monitor in a readable size without scrolling and zooming?
2.6	What is your visual artifacts' size range? How many of your artifacts fit in a 11 inch or less monitor, 15 inch, 22 inch, 27 inch or more in a readable size?
2.7	What is the average number of artifacts you work on at the same time? What is the maximum number?
3	Challenges when working with artifacts
3.1	How do you compare working with artifacts that fit your screen and working with artifacts that are larger than screen?
3.2	Have you experienced situations when you had to scroll back and forth between two points for several times? Please describe a sample situation as precisely as you can.
3.3	Would you like to work on more artifacts at the same time but it is technically impossible?
3.4	How do you manage to work on multiple artifacts at the same time?
3.5	What are the challenges in working with several artifacts side by side in comparison to working with one artifact?

3.6	What are the challenges in working with overlapping artifacts in comparison to working with side by side artifacts?
4	Dealing with the Challenges
4.1	How many monitors do you use when you are working with artifacts? what are the size of your monitors?
4.2	What kind of software do you use to create, manage and manipulate artifacts?
4.3	Have you ever had to memorize something from one artifact just to use it immediately in another part of that artifact or in another artifact?
4.4	When you are working on a particular part of an artifact, do you have an overview of the whole artifact in your mind?
4.5	Does your software tool show the overview of the artifacts?
4.6	Do you think that people with better visual memory perform better in working with large artifacts?
4.7	Do you use any specific method to get an overview of large artifacts?

* This set of questions presents an excerpt of the original interview instrument, containing the relevant questions for this study.