

Purpose of the Study

To evaluate the concepts utilized in the system
To evaluate where breakdowns occur.

Materials

- Printed protocol
- Printed worksheet
- Printed consent forms (4: 2 en, 2 fr)
- Printed Demographics form
- Pens (2)
- Computer
- Tablet
- Open slides
- Open system
 - Check that system is working
- Recording set up and ready
 - Check audio

Script

Description

Hello and thank you for participating in this study.

This study is to evaluate a system for sketching visualization templates, which will be explained more during the study. Our objective in this study is to understand how the concepts in the system are understood by people using it.

After I explain the study and go over everything we are going to do, I will let you review the consent form for the study which explains the data we collect, and how it's stored.

For this study,

- we will collect demographic information, which we use to check for and monitor demographic biases in our evaluations.
- During the study tasks, I turn on screen recording and audio recording. The audio recordings will be used by me for making notes and will not be published.
 - We will make an anonymized transcript of the audio recording which we will quote in the final publication, and may be published.
- The screen recordings will be completely anonymous and might be published as examples of using the system.
- You are free to withdraw from the study at any time by fire us an email, and if you do we will destroy any data we have from you within two weeks.

During the study tasks, I will have you go through a slide deck which contains a set of tasks to complete using the system. The slide deck outlines a fictional scenario to give some context to the tasks, and a tutorial on how to use the system. During this part I will ask you to think aloud, which means talking through everything you are doing and what you're thinking, especially if you get confused or something isn't working or doing what you expect it to, as that's the key information we're trying to get at.

During this part of the study I will remain as silent as possible and just observe what you are doing, but you are of course welcome to ask for clarification or help at any time if you feel you need it.

Any questions at this point? Are you ok to carry on with the study?

Formalities

If you are good to participate in the study, please sign the consent form.

Recording

May I start recording?

Scenario

Just a reminder, please try to think aloud as you are going through the slide deck.

If the participant does not understand the mapping, I will do my best to explain. We will carry on with the study but the results may be dropped.

I will remain silent as much as possible, and only interfere in the following cases:

- *Reminding the participant to think aloud*
- *If the Participant has been stuck on something for about 5 minutes*
- *If the participant stops interacting with the system*

Note to self: remember to take notes on any points where they struggle.

Interview

Start with notes:

- *Asking about points they struggled with*
- *Asking about any surprising behavior*

Q: Can you please describe how you understand each of the dimension settings and what it

Q: Could you see personally using this system?

- *If yes, what for?*
- *If not, who do you think might use this system?*

Q: Do you prefer using the system to drawing the data by hand? Why or why not?

Note to self: points to focus on

- *What did they have a hard time with?*
- *What was easy (and was that surprising),*
- *What could they achieve / achieve easily*
- *Context, what would this system look like in their context?*