

Validation Study Treatment Protocol

Code

Interviewer reads this highlighted text as is

Interviewer tells instruction to participant

Interviewer asks question to participant

Instructions for interviewer

Validation Study (50 minutes)

So now that you used the tool to debug the performance of a toy system, I want you to do the same thing, but for Density Converter, an open source configurable system. Density Converter takes an image as input, and transforms it to different sizes, dimensions, and formats based on the configuration.

The scenario for this system is similar to before. There is a performance bug report that you need to address.

- Read the performance bug report to you or out loud, it does not matter.

The task is similar to before. There is a bug report, and I want you to figure out what is going on in the implementation.

After the participant has worked on the task for 50 minutes

- I am going to stop you at this moment.

Debrief (5 minutes)

Before I let you go, I wanted to ask you a couple of questions about your experience with using our tool.

- What information did you find useful or not useful in the tool when debugging the performance of the system?
- What other information would have been useful in this task?