

Semi Structured Interviews

Instructing the user on the HoloLens, the possible gestures (Bloom, Gaze, Air Tap and speech input) to manipulate the AR environment and holograms and giving the user some time to become acquainted with the HoloLens UI.

Instructions for the user test:

- a) Open the HoloLens Main Menu with the "Bloom" Gesture.
- b) Chose the App "ARTUR" from the App menu.

In the App:

1. Chose a body part of your liking in the menu.
2. Place the menu anywhere in your space, where it does not interfere with your training session.
3. Place the hologram of the body part on the table next to your test patient.
4. Rotate the hologram, so you can position your test patient comfortably into the hologram.
5. If needed, resize the hologram to fit your test patient's anatomy.
6. Position your patient according to the position of the hologram.
7. Enable the holograms light beam localizer to check where it should be positioned.

Interview:

- a) Short introduction (Who am I?)
- b) Goal of the study (What is the study about?)
- c) Data privacy and anonymity (pseudonymisation)
- d) All questions can be answered voluntary (no disadvantage if questions are not answered)
- e) Obtaining consent to record the interview (schriftlich?)

Questions:

1. Tell me your name and your level of experience with AR applications.
2. Do you feel that you successfully completed all the tasks on the task sheet?
3. Was the application visually well designed?
 - a. Was it easy to find the desired options at any time?
4. What is your opinion on the applications menu?
 - a. was is disruptive or distracting?
 - b. logical structure?
 - c. Did you find the options you were looking for?
 - d. How was the organization of the menu items?
 - e. Could you easily undo or redo any action if you needed to?
 - f. Were all menu items you expected present?
5. How do you feel about the methods of interaction with the holograms?
 - a. ease of use/intuitive (rotate resize box)
 - b. what did work? what didn't?
 - c. wish for additional input methods?
6. Did the system provide enough feedback on your inputs?
 - a. Did you get confirmation your inputs were accepted?
7. Did you have any issues with the application? Did you encounter any errors or crashes?
8. Compared to other application on the HoloLens, how was this application to use?
9. Do you have any further comments or remarks?