

Usability Test

Preparation for the test:

Scope:

- Principle of navigation, understanding of navigation elements (search box, hamburger menu, etc)
- adding module to training (resource to module) / creating new modules (resources) with (yaml file) templates
- icons for training / module / resource and proposal / report
- Structure of training -> module -> resource
- Principle behind documents part

Purpose:

- Main point is the understanding of the structure: training -> module -> resource, because this structure is related to the first ASKtraining prototyp. If it isn't understood, the back end would need a revision
- The principle behind the document section is quite difficult, but the prototype doesn't feature the hard parts yet
- Principle of navigation

Schedule & Location:

- Maximum of three tests per day
- Planing to get as many participants as possible in the settlements, without disturbing their work (one test per day at the settlement seems doable)
- Remaining participants will be found at the ASKnet conference
- Scheduled are 7 to 8 tests

Sessions:

- Each test is scheduled for approximately one hour
- If there should be more than one test per day, there has to be a break between of min. one hour

Equipment:

- Test will be done on my laptop (MacBook Pro, 13 inch display)

- Audio and screen recording will be provided (QuickTimePlayer)

Participants:

- test will be executed with seven to eight participants to gather valid data
- At the settlements and during the conference with members of ASKnet

Scenarios:

- Approximately 8 to 10 tasks, with possibilities to test some small things on the side (e.g. is an icon understood, etc.)
—> tasks starting page 3

Metrics:

- Likes, Dislikes and Recommendations: Participants provide what they liked most, what they liked least, and recommendations for improving
- think aloud method, a procedure for describing what is being seen, thought and processed during the test

Quantitative metrics:

- successful task completion: note if participant could solve the task (was it easy, was it hard?)
- Note of Critical Errors

Roles:

- I will be the facilitator (guiding through the test)
- I will do handwritten comments on the side

Tasks:

- Take a look at the ,Training Open Hardware‘ and describe what you see.
 - > feeling / understanding how to handle prototype
- Share only the module ,Module Open Hardware‘
 - > understanding / learning the subdivision of training / module
 - > little menu right upper corner is recognized
- Create a new training with following modules: ,Module Open Hardware‘, ,Theory of Change‘
 - > understanding / learning about the icons for training
 - > understanding process of adding modules to a training via checkbox (FAB button)
- Edit the schedule (time) of the different units and save it.
 - > understanding / learning about the icons for editing and how to edit
 - > principle of editing and the time picker (and how to open it)
 - > save button, seen, icon understood
- create a new module for the ,Training Open Hardware‘ (called ,test‘)
 - > finds the template, understands it
 - > difference between existing modules and creating new ones
- add the already existing resource ,ASKotec‘ and ,DIY LED light‘ to the module
 - > magnifying glass icon understood, sector found
 - > checking out the subdivision of module / resource
- [Create a new resource]
 - > would be the same process like create new module, but on a deeper layer

Changing the prototype from ,Trainings‘ to ,Documents‘

- Share the ,Repair Café Report‘, and describe what you see
 - > little menu right upper corner is recognized again
 - > feeling / introduction of the second section of the prototype
 - > division of financial part / activity part
- Edit the financial part of ,Repair Café Report‘, and save it
 - > edit icon understood in other context
 - > process of editing (use of keyboard)

- Write a report for the ,#defyhatenow‘ training, use the ,ASKnet Report Template‘ for it
 - > using a template, linking a training to a related report
 - > is the methodology of linking a training to a report understood
 - > icons proposal vs. report

Introduction:

„Hello.. ASKnet prototyp, a tool for organizing and planing trainings.

Most important thing: you can't do anything wrong, I test the software **NOT** you!

I will ask questions like ,what do you think', to encourage you to share your thoughts, feelings and impressions with me.

I will make some notes on the side, the screen and the audio will be recorded and used for the evaluation of the test .. “

Personal Data

Name; Age; Profession; Smartphone; Using a desktop Computer; Technical skills form 1 to 5 (1 = Poor, 2 = Fair, 3 = Good, 4 = Very Good, 5 = Excellent)

Tasks:

You are a trainer of ASKnet, and you will conduct a training next week. This time you do your training by using the ASKtraining tool. The training you will do is called ,Training Open Hardware'.

- Please **search** for it and describe what you see.
- Share **only** the module ,Module Open Hardware'

This time you want to **create** a new training. It's about ,Open Hardware' and ,Theory of Change'.

- Check if you could use existing elements for your newly created training
- **Edit** the schedule (time) of the different units and save it.

You were checking out the training called ,Training Open Hardware' and came up with a great idea: An **additional** module to introduce the ,ASKotec' and build a ,DIY LED light' would be perfect.

- Please **expand** the training with your idea

Changing the prototype from ,Trainings' to ,Documents'

The second part of the test handle the documents sections. This section takes care of the preparation and the past processing of the trainings.

- Please **share** the ,Repair Café Report‘, and describe what you see

You found some mistakes at the financial part of ,Repair Café Report‘ and would like to correct them

- **Correct** the financial part of ,Repair Café Report‘, and **save** it

You and your colleges finished the training ,#defyhatenow‘, now it’s time to **write** a project report.

- Please **write** a report for the ,#defyhatenow‘ training, you can use the ASKnet template

Questions after the test:

- What was your impression of the prototype?
- What could be different / what should be changed?
- What do you think of the training / module / resource structure?
- What do you think about the documentation process?
- Any recommendations, hints, advices?