

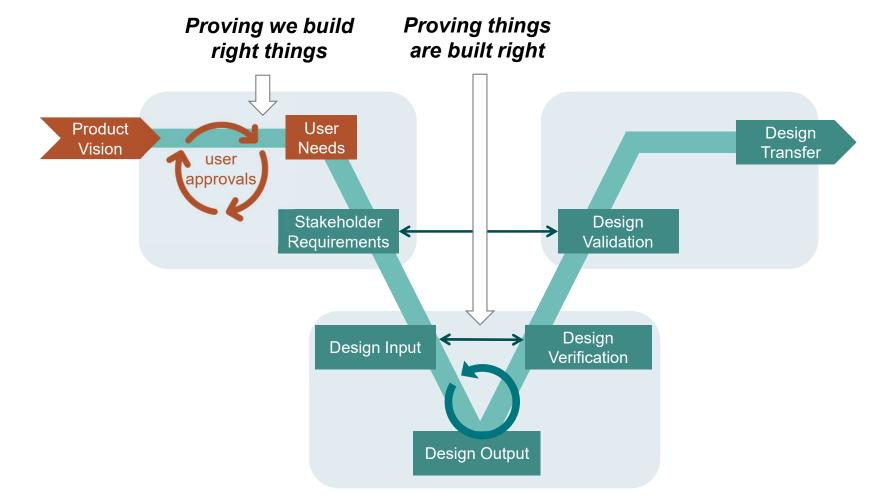
BUILDING BRIDGES FROM PRODUCT VISION TO REQUIREMENTS

Swiss Systems Engineering Day 2024

Beat Keller | Markus Moser



USER NEEDS AS A STAKEHOLDER REQUIREMENT: OFF-CORE APPROVALS





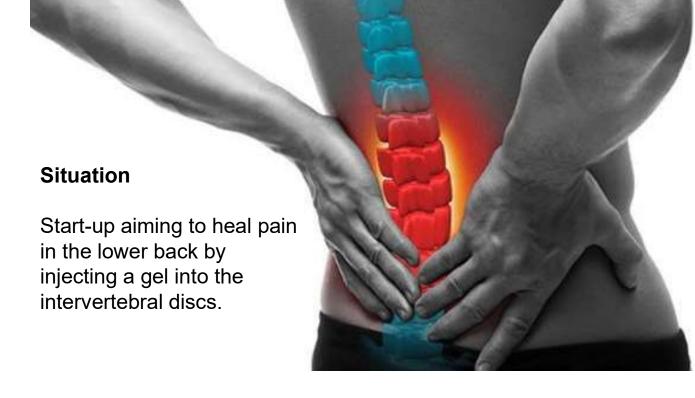
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HOW TO SUCCESSFULLY CONDUCT USER APPROVALS WITHIN EARLY STAGE OF DEVELOPMENT?

A POTENTIAL APPROACH OUT OF KONPLAN`S RECENT PROJECTS.



INITIAL SITUATION & VISION

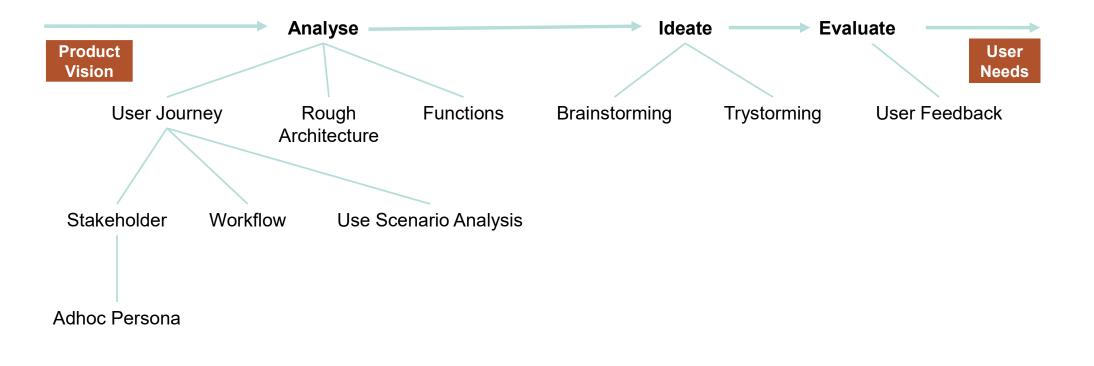


Vision

- Time between walk-in and walk-out in the range of a few hours
- Simple and safe handling



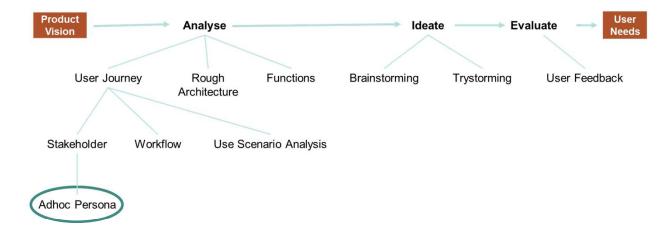
THE BRIDGE: APPROACH & METHODS



ВКО	Bin mir nicht sicher, ob ich das "brückenähnlich" darstellen soll
	Beat Keller; 2024-09-05T15:43:00.440

MMO O Oh starke Idee! Das könnte hier in der ersten Übersichtsfolie gut funktionieren. Beim Wiederaufgreifen auf den nächsten Folien benötigt es womöglich zu viel Platz... Mal ausprobieren? Markus Moser; 2024-09-06T06:06:56.868





What to do:

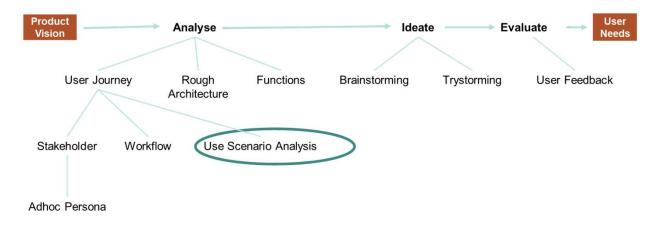
People involved are described as ad hoc personas

Learning:

• Important roles become visible



METHODS: USE SCENARIO ANALYSIS

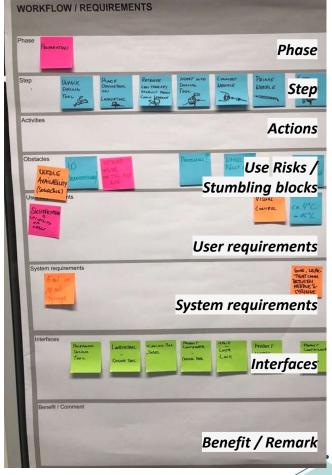


What to do:

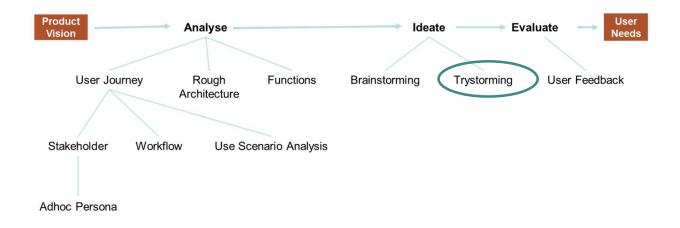
- step by step recording of selected step
- Working out of possible use risks

Learning:

Discovering of unexpected needs







What to do:

• Realising ideas in simple mock-ups

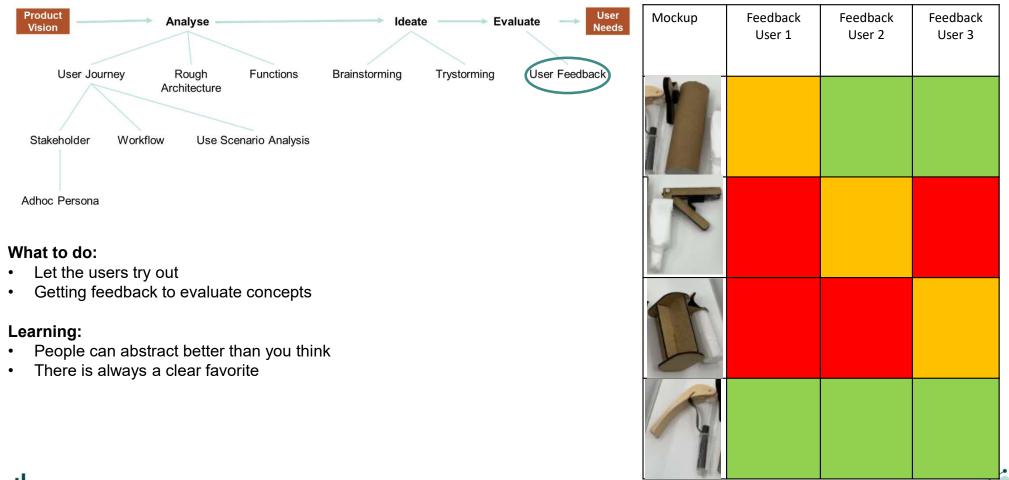
Learning:

• Simple simulation of mechanisms





METHODS: EVALUATION WITH THE USERS



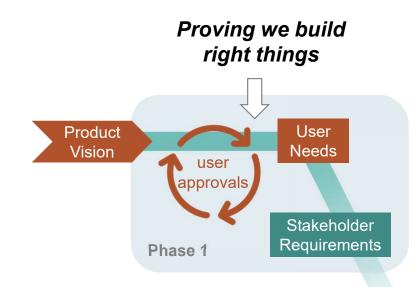
CONCLUSION



CONCLUSION

- Product vision is worthless, if users don't like to handle it
- Start practical user-validations before formulation of requirements
- Understand the personas being involved
- The whole use scenario is often larger than you think

This is how to bridge the gap between vision and requirements in early phases of medical product development.



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LET'S GET IN TOUCH WITH OUR SYSTEMS AS EARLY AS POSSIBLE!

Picture Sources:

Person holding clear round container by Drew Hays on unsplashPerson holding light bulb by Diego PH on unsplashFrau trägt grüne Gesichtsmaske by Artur Tumasjan on unsplashBackpain: https://ch.pinterest.com/pin/241646336252706470Scrub nurse: https://www.bbc.co.uk/bitesize/articles/z9ywktykonplan Schweiz AG | Suurstoffi 2 | CH-6343 Rotkreuz

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