DIGITAL INNOVATION BOARD:
CREATE

PROJEKTNAME Smarttype

IDEEN-BESCHREIBUNG

We introduce a technology we call "smarttype", wich allows the therapist to write/type their notes in their usual style like abbreviations and our system will check for keywords, compare them to all the other keywords/notes in the system and give the most accurate categorisation based on that information. We will also use this machine learning algorithm and the smarttype to do the ichi classification without the therapist having to go through the database him/herself. Abbreviations are stored in a dictionary so other therapists and doctors can read it without problems.

ADRESSIERTE NUTZER

→ Therapist
→ Hospitals
→ Clinics
→ Practice
→ Private practitioners
→ Nursing homes
→ Science community
→ Educational Institution
→ Teacher and student
→ PhysioSwiss
→ Patients

ADRESSIERTE BEDÜRFNISSE

→ fast documentation
→ breakdown of documentation (what is important? what can be automated?)
→ simple information exchange
→ flexible UI
→ as easy and intuitiv, as to write on paper

PROBLEME

→ Live-suggestions could be distracting
→ it takes time, until the machine has enough data to make good suggestions
→ fear from technology, lose control
→ too many suggestions can also seem complicated or unsettling and slow down the documentation

IDEEN-POTENZIAL

User Value

Scalability

Feasibility

DAS WOW

→ ML Algorithmus for suggestions and classifications (time saving)
→ data logistics on decentralized network

HIGH-LEVEL-CONCEPT

deepl for health classifications and treatment suggestions

VALUE PROPOSITION

huge database

practitioners save time documenting because of smarttype

research is simplified by suggestions

we allow the physiotherapist flexibility in documenting, but the Algorithmus creates a standardized system

Template 7.3.3: digital-innovation-playbook.de/templates/basic

DIGITAL INNOVATION BOARD:
CREATE

PROJEKTNAME Visual Motion Tracking

IDEEN-BESCHREIBUNG

Using visual motion tracking and wearable sensors to let the therapist concentrate on the patient and be supported by technology for accurate data collection. Making measurements fast and reliable for a growing database of golden standard tests. Additionally having the patient observed for right posture during exercising, enabling the therapist to task the patient with a wider variety of exercise. They will be able to use the time in the session for more complex treatments.

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ADRESSIERTE BEDÜRFNISSE

→ fast documentation
→ objective data with high accuracy (measurements)
→ more exercise data is brought into a whole system
→ enabling the therapist to task the patient with a wider variety of exercise
→ learn exercises correctly
→ home exercising data is also collected in the system

PROBLEME

→ not every therapist has sensors
→ not every patient wants to put on sensors
→ turning on sensors may also take time and is not time efficient
→ Prize question
→ sensors can disturb when doing exercises

IDEEN-POTENZIAL

User Value

Scalability

Feasibility

DAS WOW

→ measurements from sensors are accurate (confirms professionalism of therapist)
→ repetitions can be counted
→ automatic measurable data collection

HIGH-LEVEL-CONCEPT

AR for data collection and exercise guide

VALUE PROPOSITION

guided ecxercise for the patient thanks to AR motiontracking

faster & accurate measurements

reach therapie goals faster

more time for patient

Template 7.3.3: digital-innovation-playbook.de/templates/basic

DIGITAL INNOVATION BOARD: CREATE

PROJEKTNAME Open Board Workspace

IDEEN-BESCHREIBUNG

Creating an intuitive & flexible workspace for the therapist, which s/he can personalise in many ways. Provided with high-quality tools like patient personalised drag & drop dummies, speech-to-text selection for a fast anamnesis, a custom session flow and a focus on the essential part of a documentation, always allowing therapist specific needs to be added. Starting with a clean plate, the app doesn't distract from the key part of the documentation, still allowing the therapist to find her/his style.

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ADRESSIERTE BEDÜRFNISSE

→ let the therapist create his personalized documentation and tool sets
→ loose documentation style but with highly time efficient tools
→ let the patient create their personal dummy
→ capture everything the patient says (don't miss any patient information)
→ own abbreviations get translated

PROBLEME

→ setup / configuration time
→ explanation of tools / possibilities
→ adaptation phase of new documenting style
→ build up abbreviation database

IDEEN-POTENZIAL

User Value

Scalability

Feasibility

DAS WOW

→ Visualisation
→ Efficacy in documenting because of speech-to-text
→ Open document format
→ Therapist has more time to focus on the patient
→ No distraction because the therapist isn't occupied with his/her device
→ Personalised

HIGH-LEVEL-CONCEPT

Open board format (like a miro-board)

Patient access to certain area of the documentation and personalize their dummy

VALUE PROPOSITION

It allows the therapist to create his/her own style of the documentation

the therapist gets a more accurate image of a patient due to the personalised dummy

clean styling doesn't distract causes no distraction / key elements implementable with drag & drop

Template 7.3.3: digital-innovation-playbook.de/templates/basic