

Welcome

Healthcare workers are burned out

(Laschinger & Fida, 2014)

The employer pays as insurance does not cover

(Mindimpact, 2020)



67% works more than 40 hours a week in NL

(MedicalFacts.nl, 2021)

There are 69 hospital organizations in NL

Ziekenhuiszorg | aanbod | Instellingen, 2023)

High turnover rate in hospitals

(Why you need to worry about employee burnout, 2023)

In 2019 we spent 277,9 million euros on burnout

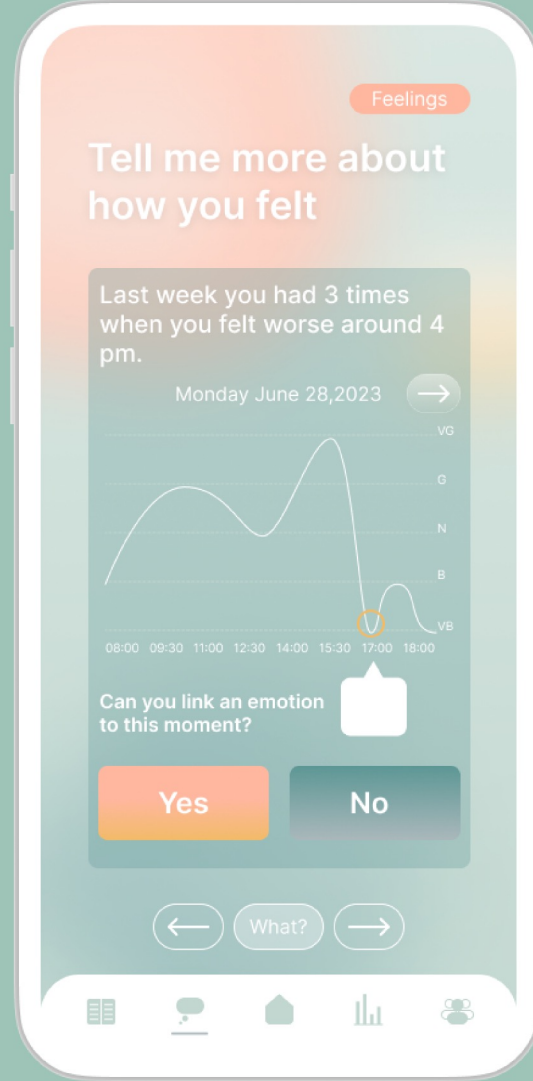
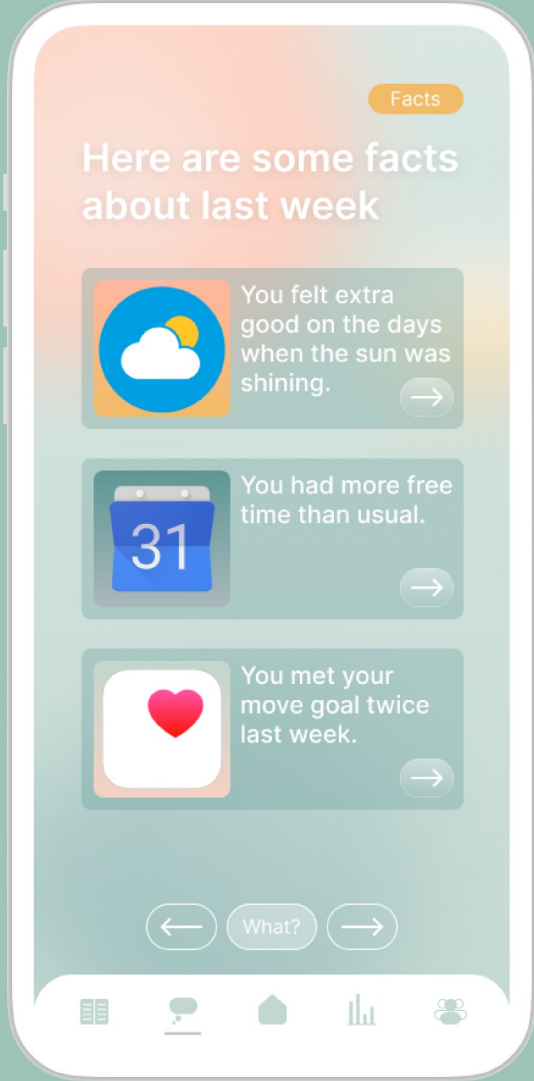
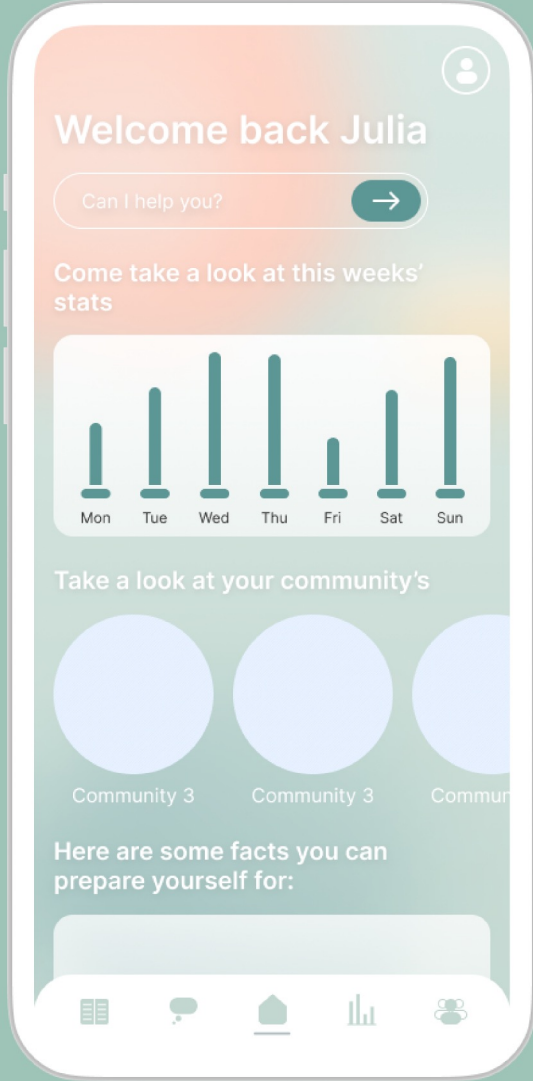
(Overspanning en burn-out | Zorguitgaven, 2022)

Lim-It



The device





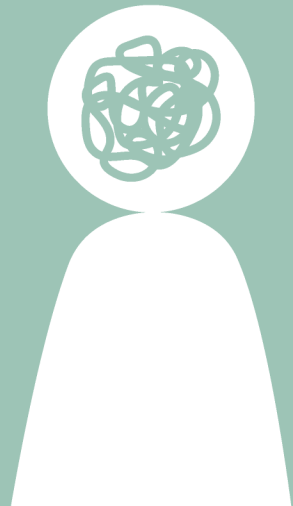
USP

Low threshold

Discrete placing

Reflect in context

“I didn’t even realise it was stress”



(Van Meel - Treuren, 2022)

"It is important that we recognize symptoms in time, both in ourselves and in our colleagues, and to ask for or offer help"

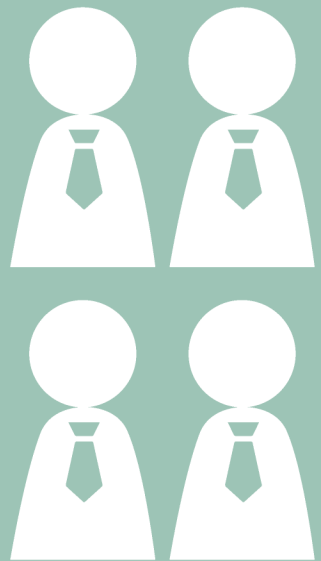


(We lopen in de zorg vast op het kwetsbaarste punt: de zorgprofessional zelf, 2023)

“Everyone in healthcare thinks of someone else first”



(Veel burn-outs onder jonge zorgmedewerkers: 'Soms is het nodig om even egoïstisch te zijn', 2019)





**Quick funding
Expertise**

(Ganti, 2023)



**Long-term funding
Support**

(Hayes, 2023)

Meet the team



Data Analystist
Jinze Wang



UX Designer
Vere Vreeswijk



Marketing Manager
Alicia Poels



Program Manager
Karthikeyan Sudarsan

Questions



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Welcome

Lim-It

Team Lim-It



Data Analystist
Jinze Wang



UX Designer
Vere Vreeswijk



Marketing Manager
Alicia Poels



Program Manager
Karthikeyan Sudarsan

Problem statement

Young medical doctors
in residency program

(Korsten et al., 2022)

27.7% more likely to
get burn-out compared
to seniors

(Van Dievoort, 2015)

Burn-out rate raised
10% in 2 years

(Korsten et al., 2022)



44% experience high
work pressure

54% of young doctors
work without break

(Korsten et al., 2022)

More medical errors
and reduced
healthcare quality

(Van Dievoort, 2015)

Risk on patient care

(Korsten et al., 2022)

Problem statement

Spend on new hirings

(Nederlandse Vereniging van Ziekenhuizen, 2021)

Sick leave is increased

(Moss, 2021)

Two year of salary paid to affected ones during off-duty

(Nederlandse Vereniging van Ziekenhuizen, 2021)

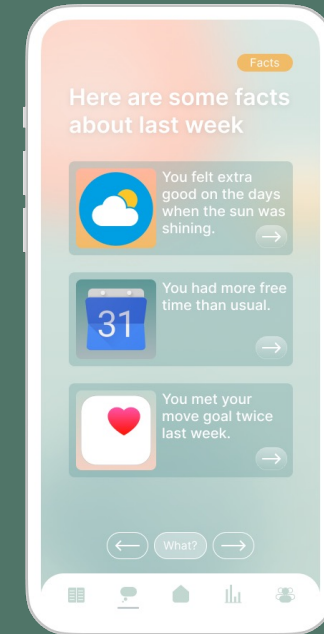
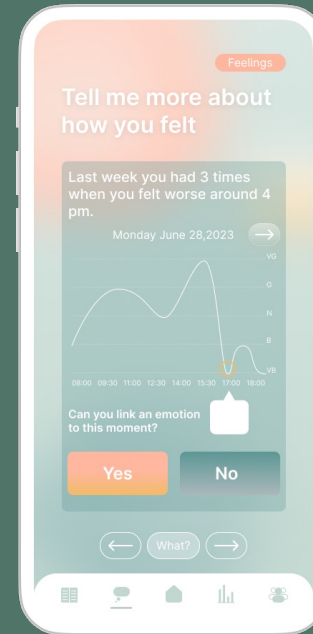
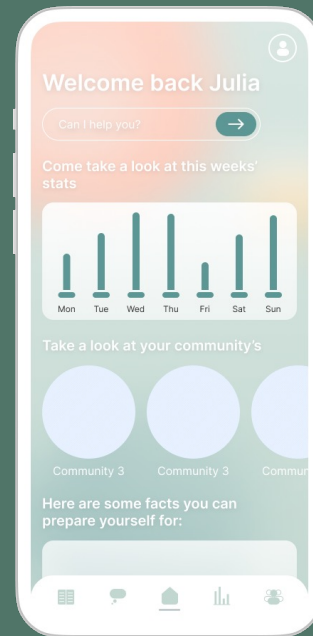


Increased expenses on sick leave

(Moss, 2021)

Solution

Self-monitoring wearable device to track your stress level to manage stress and prevent burnout



Value proposition

Prevent burnout
at early stage



Collaborations with
teaching hospital



Data visualization



Long term impact and
stress management



Healthier and sustainable
work environment



Data and ethics

Peer and work pressure

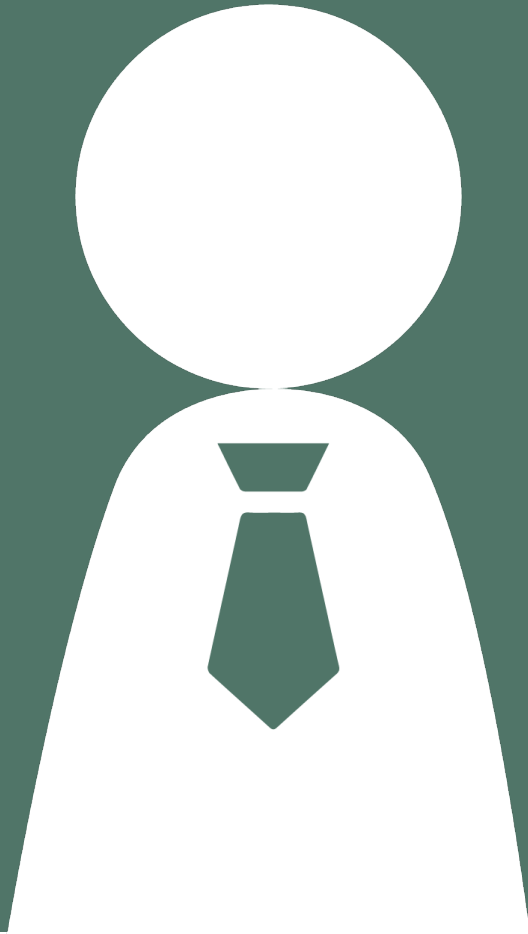
Weekly report of their stress map

Stored on the cloud

Personal account two- or multiple factor authentication



Competitive Advantage



Personalized

Real data

Traceability

Efficient

**"Prevention is better
than cure"**



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Korsten, L., Verbeek, B., Van der Ploeg, E., Kok, L., Bos, M., & Girbes, A. (2022). Nationale a(n)ios-enquête 2022 Gezond en veilig werken. In *De Jonge Specialist*. Retrieved October 4, 2023, from <https://dejongespecialist.nl/wp-content/uploads/2022/10/rapport-nationale-anios-enquete-gezond-en-veilig-werken-2022.pdf>

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Appendices

Interview results

We read that there are a lot of burnouts in the medical sector. Do you agree? Why yes or no?

P1: Yes, there are many burnout complaints among medical students. I have three friends who have dropped out with burnout complaints, and I know more (all interns).

P2: Yes, I also see relatively many people with burnout around me.

P3: Yes. Own experience and experience from the environment

What do you hear about burnout during your own studies?

P1: At the beginning of the master's degree, a lecture was said that it is important to recognize stress, but that it is also a sign that you have the opportunity to learn something new. It was also said that, for example, you can call your friends instead of visiting them if you are stressed. This way you can still spend time on your studies. I thought that was a very strange statement.

P2: Information, leaflets, subject during intervision

P3: Discussed twice during working group

What kind of help can you get if you have burnout complaints during your studies?

P1: You can report to the study advisor and the student psychologist.

P2: Study advisor and psychologist

P3: From study, stop study with partial reimbursement of paid months via the board of directors. Further contact with study advisor and coach

Interview results

What kind of help can you get if you have burnout complaints at work?

P1: No experience with it

P2: Mentor, colleagues, company doctor

P3: Reduced paid hours with io partly reimbursed

Can you briefly describe what a working day looks like for you? Are there specific moments that stand out to you?

P1: My working day starts at 8 and usually lasts until half past five/six o'clock in the evening

P2:

- 8-8:30 am reading patient files
- 8:30-9am transfer of service
- 9-11.30 nurses consult, assess patients, visit the department, work out administration
- 11.30-12.30 supervision
- 12.30-13 lunch
- 13-14 multidisciplinary consultation
- 14-16 family conversations
- 4-5:30 PM working out conversations, assessing patients, transferring evening shift

P3: Internship. Internship from 8:30 AM to 5:00 PM. Half hour break. Maintaining patient contacts.

Interview results

Could you wear Lim-It at work? Why or not?

P1: Yeah, I don't see why not. You just couldn't use it if you were **sterile** (for example, OK). You should also put it away when talking to patients where you absolutely **do not want to be disturbed**.

P2: In the department and emergency department, **not in the operating complex**

P3: Yes, at the moment I expect the supervisors to be open to this on internship day

Would you like to wear Lim-It at work? Why or not?

P1: **If everyone did that**, I would wear it. There is a work culture in healthcare where work-related stress is not always taken seriously, so you may receive comments about it (reason not to wear it).

P2: I don't think so, I don't experience any complaints now and it is still a device on your jacket that you have to do something with in addition to everything else.

P3: Yes. Good assessment of mood.

What would you change about Lim-It? Why?

P1: If that is not yet possible, it would be nice to be able to take notes in the app yourself. This way you could see why you felt bad at that moment. In this way, you could eventually see a pattern of which types of events cause you to feel less comfortable in your own skin. I wouldn't change much about the design. It is important that the device can be **thoroughly cleaned** with alcohol for disinfection.

P2: Can you **adapt it to your service**? For example, where it normally does not vibrate during the night, it may vibrate during night shifts, but you can switch it off again after the shifts.

P3: **Smaller device.**


CJM User

- The Customer Journey Map for the user (young doctors)
- Central question: How to make people wear and use Lim-It?
- Conclusion: Challenge is stimulate people to keep wearing Lim-It and to keep registering their mood.

Journey Steps Which step of the experience are you describing?	Awareness First contact with product/service	Consideration Communication- USP's Will I wear this?	Purchase Where to buy Making the decision to wear	Retention Delivery- Service after start wearing it	Loyalty Long-term relations
Actions What does the customer do? What information do they look for? What is their context?	<div data-bbox="445 192 598 299">Lim-it is handed out by the management. The user is asked to wear this</div>	<div data-bbox="764 192 853 299">The user needs to know how the device works</div> <div data-bbox="879 192 968 299">Needs to know how to keep it clean</div> <div data-bbox="1006 192 1095 299">Understand the privacy element of their data</div>	<div data-bbox="1172 192 1261 299">Decides to try it for a day</div> <div data-bbox="1286 192 1375 299">Install the app</div> <div data-bbox="1401 192 1490 299">Make an account</div> <div data-bbox="1516 192 1605 299">Clip to uniform</div>	<div data-bbox="1707 192 1796 299">Interact in the app</div> <div data-bbox="1821 192 1911 299">Reflect on data</div> <div data-bbox="1936 192 2025 299">Read the FAQ in the app</div>	<div data-bbox="2127 192 2216 299">User delivers feedback for app</div> <div data-bbox="2242 192 2331 299">If device breaks it is replaced</div> <div data-bbox="2356 192 2446 299">Customer service is accessible via app</div>
Needs and Pains What does the customer want to achieve or avoid? <i>Tip: Reduce ambiguity, e.g. by using the first person narrator.</i>	<div data-bbox="420 406 496 514">I want to reduce my burn-out symptoms</div> <div data-bbox="535 406 624 514">No clear idea what Lim-it is?</div>	<div data-bbox="764 406 853 514">Find information on Lim-it on the company itself.</div> <div data-bbox="879 406 968 514">Read reviews online. Discuss with co-workers</div> <div data-bbox="1006 406 1095 514">No clear idea what happens with the gathered data</div>	<div data-bbox="1172 406 1261 514">Easy and fast onboarding in the app</div> <div data-bbox="1286 406 1375 514">Time investment in setting up the device</div> <div data-bbox="1401 406 1490 514">Easy attachment and syncing the device</div> <div data-bbox="1516 406 1605 514"></div>	<div data-bbox="1707 406 1796 514">Good app onboarding and maintenance</div> <div data-bbox="1821 406 1911 514">Guide reflection</div> <div data-bbox="1936 406 2025 514">Well designed UI</div>	<div data-bbox="2127 406 2216 514">Room to make suggestions</div> <div data-bbox="2242 406 2331 514">Quick service if device breaks</div> <div data-bbox="2356 406 2446 514">Quick response from customer service</div>
Touchpoint What part of the service do they interact with?	<div data-bbox="471 599 573 714">Interaction is with the device Lim-it, not with the app.</div>	<div data-bbox="764 599 853 714">Website</div> <div data-bbox="879 599 968 714">Device</div> <div data-bbox="1006 599 1095 714">Google?</div>	<div data-bbox="1286 599 1375 714">Device</div> <div data-bbox="1401 599 1490 714">App</div>	<div data-bbox="1821 599 1911 714">App</div>	<div data-bbox="2178 599 2267 714">App</div> <div data-bbox="2305 599 2395 714">Customer service</div>
Customer Feeling What is the customer feeling? <i>Tip: Use the emoji app to express more emotions</i>					
Backstage					
Opportunities What could we improve or introduce?	<div data-bbox="369 1056 675 1135">Provide a clear overview of what lim-it is and how it can help the user</div>	<div data-bbox="777 1056 1070 1156">Inform user about the benefits of Lim-it. Show transparency in what is done with the data</div>	<div data-bbox="1172 1056 1465 1156">Create an easy onboarding in the app, make the set-up very simple/minimal effort.</div> <div data-bbox="1528 1035 1617 1156"></div>	<div data-bbox="1732 1056 2025 1135">Improve the reflection. Find strategies on how to keep people engaged</div>	<div data-bbox="2153 1056 2446 1120">Ensure a good customer service</div>
Process ownership Who is in the lead on this?	<div data-bbox="471 1249 573 1363">Communication/marketing /UX designer</div>	<div data-bbox="879 1249 980 1363">Data analyst</div>	<div data-bbox="1350 1249 1452 1363">UX designer</div>	<div data-bbox="1821 1249 1923 1363">UX Designer</div>	<div data-bbox="2242 1249 2344 1363">Marketing</div>

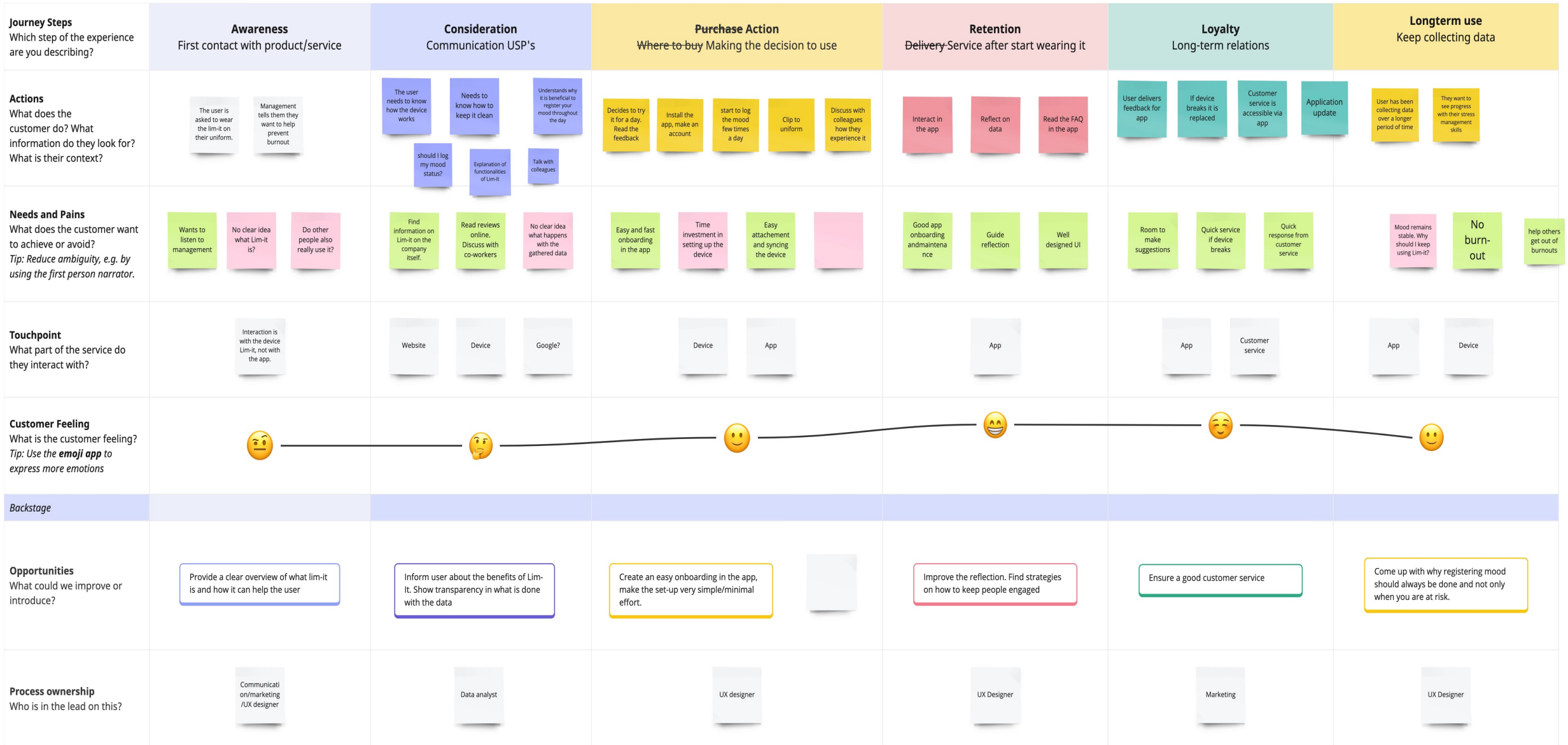
CJM Buyer

- The Customer Journey Map for the user (hospitals)
- Central question: How to approach and sell Lim-It?
- Conclusion: Challenge is to get in touch and to maintain loyalty overtime.

Journey Steps Which step of the experience are you describing?	Awareness First contact with product/service	Consideration Communication USP's	Purchase Where to buy	Retention Delivery	Loyalty Long-term relations
Actions What does the customer do? What information do they look for? What is their context?	<div data-bbox="448 239 614 344">Information on Lim-it is received via sales-reps. The management is informed about the benefits of Lim-it</div>	<div data-bbox="766 239 861 344">Considers if Lim-it is necessary (does the hospital struggle with burn-out?)</div> <div data-bbox="894 239 988 344">Research online for reviews of other hospitals</div> <div data-bbox="1021 239 1116 344">Consider the investment vs benefits</div>	<div data-bbox="1174 239 1268 344">Direct contact with Lim-it company</div> <div data-bbox="1302 239 1396 344">Meeting with Lim-it</div> <div data-bbox="1429 239 1523 344">Decide on how many to buy</div> <div data-bbox="1556 239 1651 344">Contract with Lim-it company for the purchase</div>	<div data-bbox="1709 239 1803 344">The company will deliver to the hospital</div> <div data-bbox="1837 239 1931 344">The hospital will be kept updated on how the delivery is going</div> <div data-bbox="1964 239 2058 344">The company supports the hospital in delivering it to the customer</div>	<div data-bbox="2130 239 2224 344">Possibility to expand to other departments</div> <div data-bbox="2257 239 2351 344">If device breaks it is replaced</div> <div data-bbox="2384 239 2479 344">Customer service is accessible via platform</div>
Needs and Pains What does the customer want to achieve or avoid? <i>Tip: Reduce ambiguity, e.g. by using the first person narrator.</i>	<div data-bbox="422 451 517 555">Clear instruction on what Lim-it entails</div> <div data-bbox="550 451 644 555">Not be too overwhelmed with information</div>	<div data-bbox="766 451 861 555">Clear insight in benefits of product</div> <div data-bbox="894 451 988 555">Read reviews online. Discuss with co-workers</div> <div data-bbox="1021 451 1116 555">Could be seen as a large investment</div>	<div data-bbox="1174 451 1268 555">Accessible contact with company</div> <div data-bbox="1302 451 1396 555">Concern if it will help?</div> <div data-bbox="1429 451 1523 555">Clear insight in what they are buying + costs</div> <div data-bbox="1556 451 1651 555"></div>	<div data-bbox="1709 451 1803 555">Updates on delivery</div> <div data-bbox="1837 451 1931 555">Clarity on how it will be delivered</div> <div data-bbox="1964 451 2058 555">Help with handing out devices</div>	<div data-bbox="2130 451 2224 555">Information on costs for expanding</div> <div data-bbox="2257 451 2351 555">Quick service if device breaks</div> <div data-bbox="2384 451 2479 555">Quick response from customer service</div>
Touchpoint What part of the service do they interact with?	<div data-bbox="486 644 580 748">Sales-representative</div>	<div data-bbox="766 644 861 748">Website</div> <div data-bbox="894 644 988 748">Device</div> <div data-bbox="1021 644 1116 748">Google</div>	<div data-bbox="1238 644 1332 748">Device</div> <div data-bbox="1365 644 1460 748">App</div> <div data-bbox="1493 644 1587 748">Company</div>	<div data-bbox="1837 644 1931 748">Delivery service</div> <div data-bbox="1964 644 2058 748">customer service</div>	<div data-bbox="2193 644 2288 748">Platform</div> <div data-bbox="2321 644 2415 748">Customer service</div>
Customer Feeling What is the customer feeling? <i>Tip: Use the emoji app to express more emotions</i>					
Backstage					
Opportunities What could we improve or introduce?	<div data-bbox="384 1093 677 1172">Provide a clear overview of what lim-it is and how it can help the employees</div>	<div data-bbox="779 1093 1072 1193">Inform hospitals about the benefits of Lim-It. Show why the investment is worth it</div>	<div data-bbox="1174 1093 1467 1193">Have a convincing story on the costs and benefits. Have an expert on this in the company.</div> <div data-bbox="1544 1079 1638 1193"></div>	<div data-bbox="1735 1093 2028 1150">Come up with clear delivery strategy</div>	<div data-bbox="2155 1093 2448 1150">Ensure a good customer service</div>
Process ownership Who is in the lead on this?	<div data-bbox="486 1286 580 1390">Communication/marketing /UX designer</div>	<div data-bbox="894 1286 988 1390">Data analyst</div>	<div data-bbox="1365 1286 1460 1390">UX designer</div>	<div data-bbox="1837 1286 1931 1390">manager</div>	<div data-bbox="2257 1286 2351 1390">Marketing</div>

CJM User (after workshop)

- The Customer Journey Map for the user (young doctors)
- Central question: How to motivate people for long-term use?
- Conclusion: Challenge is to keep showing the benefits of long-term use.



COM-B model - User

Capability	Opportunity	Motivation
Psychological	Physical	Reflective
Don't notice their own symptoms	No tangible help	Put others first Their issues impact the team
Physical	Social	Automatic
No self-care & external support	No consistency Don't show feelings in public	They continue working while being annoyed.

COM-B model - Buyer

Capability	Opportunity	Motivation
Psychological	Physical	Reflective
Don't know that preventing burn-out can lower costs educate through sales representative and promotion	Don't have the resources to help Enablement	Reduce burn-out costs Modelling
Physical	Social	Automatic
No tools Enablement	Mental health is important Environmental restructuring	money - turn over rate. Incentivization

Workshop learnings

From CJM user

- The hospital needs support from us with explaining why and how to use Lim-It
- Device is used during working hours, but the app afterwards
- Users will probably discuss it with colleagues
- Can we support them in the community feeling?
- Do they even want community feeling?

From CJM buyer

- Managers need to be involved in the process of implementing Lim-It with support from us
- Hospital needs to take moment to reflect on if it is helping after a few months
- How will they support the reflection part of the app?

Workshop learnings

From the other things

When will users and buyers use it and where still needs to be checked

Primary task support

Device is tailored to the usage context and user group

App is personalized after self-monitoring

Dialogue

Device uses reminders to achieve goals

The app gives suggestions where behavior can be changed

Social

Social facilitation > Recognize others with the same target behavior? From hospital perspective?

Cooperation > make people cooperate to reach target behavior

Trustworthiness

Device & app developed with H&S services

Team behind it experienced with design, users and marketing

Third-party endorsements > show stories of people before and after using

Authority > use KOLs to approach hospitals

Verifiability > show numbers of current situations

Workshop learnings

Behavior weel

Education > when they get Lim-It, they get an information folder on the why, what, how

Education > hospital get information folder how to support employees in using app and reflecting

Training > workshop for employees to reflect and practice with app and device

Training > managers how to support employees with Lim-It

Environmental restructuring > Posters in hospitals

Changing culture by letting everyone wear Lim-It and open the conversation about mental health

Service provision > deliver community & app

Communication/ marketing > Via media campaigns targeted to hospitals

Communication/ marketing > Use posters in hospitals with Lim-It explanation

Guidelines how to use Lim-It as employee and as hospital

Modelling > For future, when already having a trial hospital, show how great that is going

Enablement > reduce barrier to track mood

Problem-Solution Fit canvas

Purpose / Vision

Version:

Define CS, fit into CL

1. CUSTOMER SEGMENT(S) CS

Who is your customer?
eg. working parents of 0-5 y.o. kids



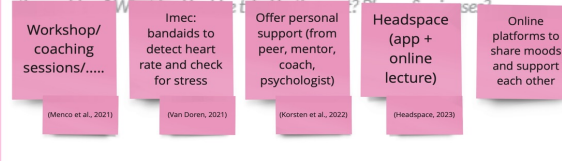
6. CUSTOMER LIMITATIONS EG. BUDGET, DEVICES CL

What limits your customers to act when problem occurs?
Spending power, budget, no cash in the pocket? Network connection?
Available devices



5. AVAILABLE SOLUTIONS PLUSSES & MINUSES AS

Which solutions are available to the customer when he/she is facing the problem?

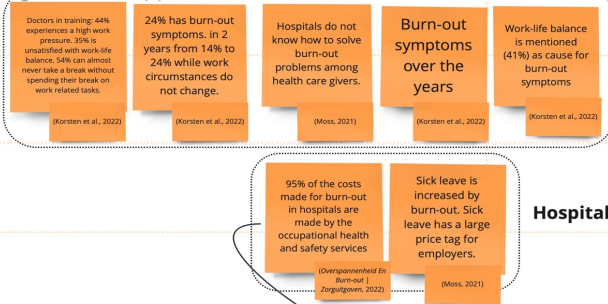


Explore AS, differentiate

Focus on PR, tap into BE, understand RC

2. PROBLEMS / PAINS + ITS FREQUENCY PR

Which problem do you solve for your customer?
There could be more than one, explore different sides, eg. existing solar solutions
How often does this problem occur?



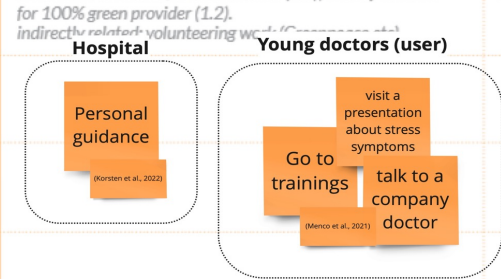
9. PROBLEM ROOT / CAUSE RC

What is the root of every problem from the list?
eg. People think that solar panels are bad investment right now, because they are too expensive (1.1), and possible changes to the law might influence the return of investment with the benefits (1.2).



7. BEHAVIOR + ITS INTENSITY BE

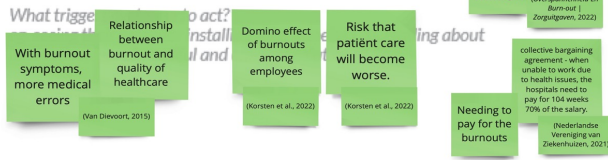
What does your customer do about / around / directly or indirectly related to the problem?
eg. directly related: tries different "green energy" calculators in search for the best deal (1.1), usually chooses for 100% green provider (1.2).
indirectly related: volunteering work



Focus on PR, tap into BE, understand RC

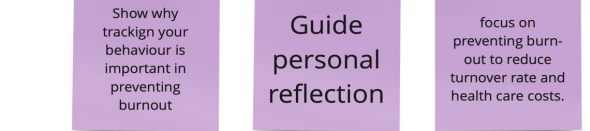
Identify strong TR & EM

3. TRIGGERS TO ACT TR

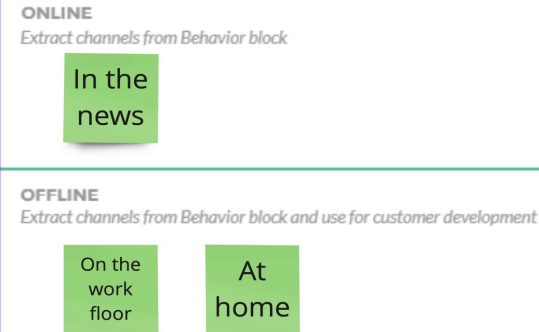


10. YOUR SOLUTION SL

If you are working on existing business - write down existing solution first, fill in the canvas and check how much does it fit reality.
If you are working on a new business proposition then keep it blank until you fill in the canvas and come up with a solution that fits within customer limitations, solves a problem and matches customer behaviour

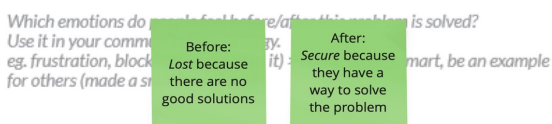


8. CHANNELS of BEHAVIOR CH



Extract online & offline CH of BE

4. EMOTIONS BEFORE / AFTER EM

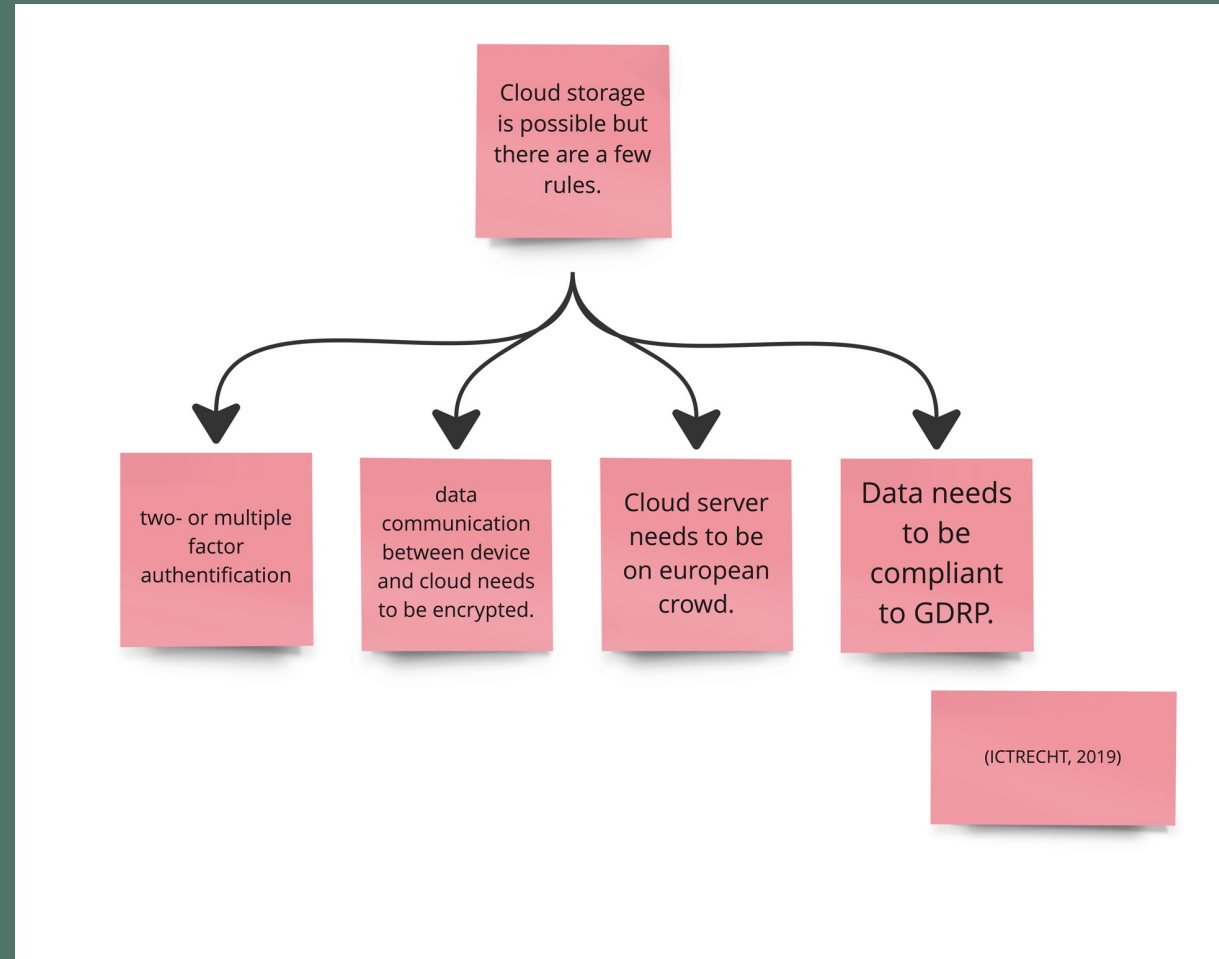


Problem-Solution fit canvas is licensed under a Creative Commons Attribution-NonCommercial-NoDerivatives 4.0 International License. Designed by Daria Nepriakhina / IdeaHackers.nl - we tailor ideas to customer behaviour and increase solution adoption probability.



Problem-fit Canvas

Data requirements



Business Value Proposition



Planning

	Week 4		Week 5		Week 6		Week 7		
	By Tuesday	By Thursday	Tuesday	Thursday	Tuesday	Thursday	Tuesday	Thursday	
Design & Prototype		Revised Design Finish Week 4 Study Modules	Updated Prototype	PRESENTATION & FEEDBACK (PRODUCT PITCHING)		Design Revision (if Needed) Finish Week 6 Study Modules	Final Product Prototype	Final Presentation Slides & Pitch Preparation	
User Research		Customer Journey Mapping	Service Blue Print Coaching Meeting 13:00 to 13.30 Business Ethics Research on Environmental Sustainability & social responsibility					Coaching Meeting 13:00 to 13.30	FINAL PRESENTATION & FEEDBACK (PRODUCT PITCHING)
Market Research		Target group	Stakeholder Benefits Voice of Health & Safety Service						
Finance & Costing			Finalise Subsidies					Product Costing	

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Lim-It

Managing stress and preventing burn-out

By group 3

Lim-it aims to **manage stress and prevent burn-out** amongst health care employees.

By providing a tangible, low threshold way to **track mood and deliver personal insights**.

The buyer
Hospitals

The problem

The user
Doctors in training

Do not know how to solve struggles
(Moss, 2021)

No visible, personal attributes allowed
(Maharjan et al., 2014)

Needs to cover burn-out costs
(Mindimpact, 2020)

Hard to say no to experienced colleagues
(Why you need to worry about employee burnout, 2023)

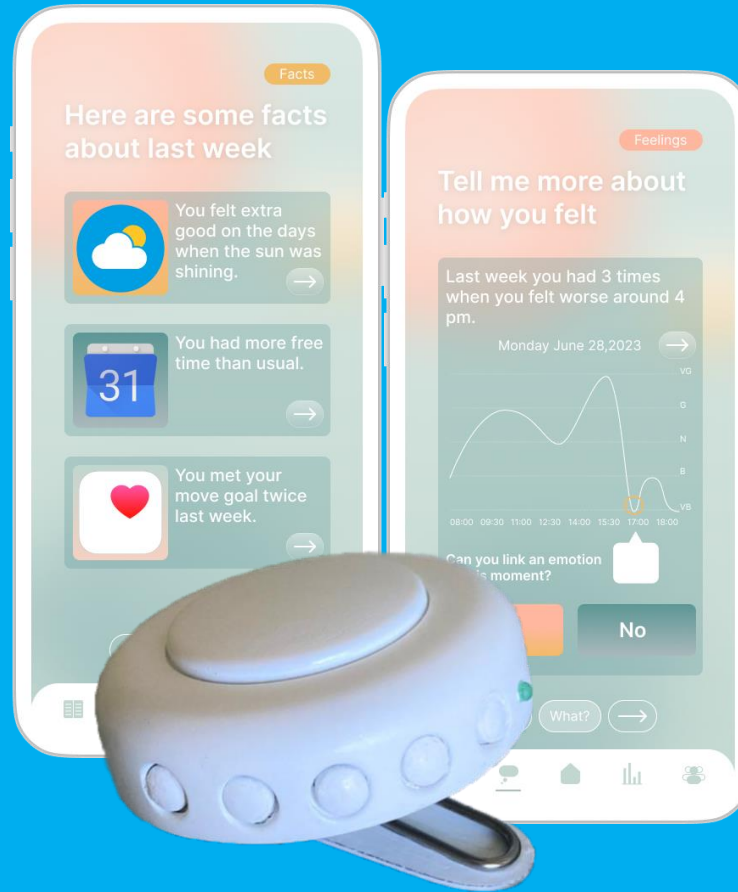
High turnover rate
(Why you need to worry about employee burnout, 2023)

Less time for breaks
(Korsten et al., 2022)

"Not enough time to make structural changes"
(Interview HR)

"Little reflection when intense situations arise"
(Interview employee)

The solution



Mission

Problem-solution fit

Market opportunities

Market Strategy

Ethical consideration

Team

The buyer

Hospitals

The solution

The user

Doctors in training

By managing stress,
burn-out can be
prevented

Individuals
learn how to
manage their mood

Low threshold tool
for all kinds
of employees

No need to make
structural changes to
the organization

Tool
is unnoticeable and
fits uniform

Individual
and personalized data
gathering and reflection

Only a few seconds to
register mood

Not dependent on others
to reflect

Easy,
low threshold reflection
questions

Market opportunities

**Maxima
Medical
Centre**

**12 teaching
hospitals**
*(Wikipedia
contributors, 2018)*

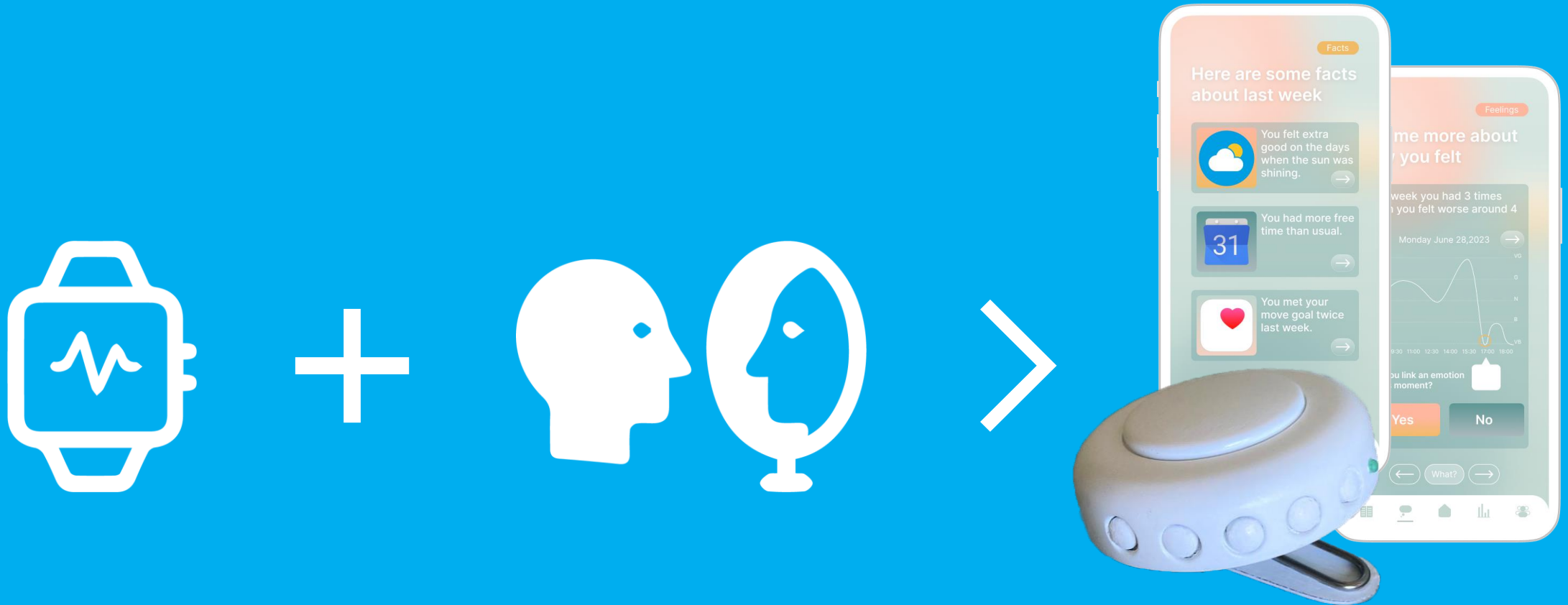
**69 hospital
organizations**
(vzinfo, 2023)

**113
locations**
(vzinfo, 2023)

**Outside of
the
Netherlands**
(vzinfo, 2023)



Market opportunities



Mission

Problem-solution fit

Market opportunities

Market Strategy

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Team

Market strategy



- Directly to hospitals
- Rent on a yearly basis

Phase 1: Develop Lim-It

Finalize first version of app, device, technology and data storage

Contact with hospital organizations & managers through KOLs

Marketing campaign focused on teaching hospital

Get subsidies

Phase 2: Run pilots

Start pilots in teaching hospitals, such as MMC

Process feedback on app and device

Handle questions and complaints from users and customers

Get investors

Phase 3: Improve Lim-It

Improve app, device, technology and data storage

Contact other hospital organizations

Improve explanation materials

Implement marketing campaign targeting all hospitals

Phase 4: Scale

Improve and scale

Contact other organizations

Improve and scale

Implement marketing campaign targeting all hospitals

Mission

Problem-solution fit

Market opportunities

Market Strategy

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Team

Improve
It

Phase 4: Implement
Lim-It

Phase 5: Expand
Lim-It

Service, technology

Hospital

Information materials

Marketing campaign

Hospitals

Next version of app to share data with third parties

Include new features

Continue contacting new hospitals

Contact new sectors, such as educational, or hospitals outside of NL

New version of device and app for other sectors

Look into data management in other countries, such as Belgium

Mission

Problem-solution fit

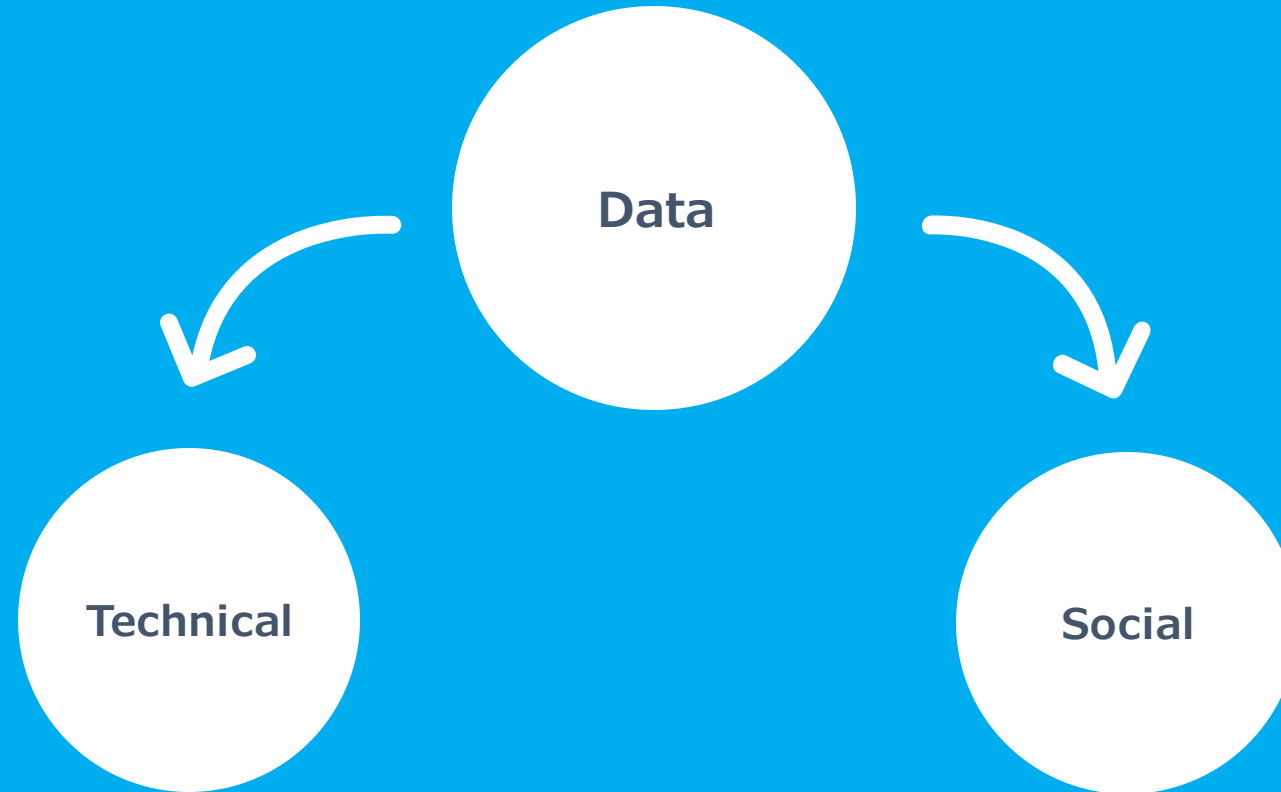
Market opportunities

Market Strategy

Ethical consideration

Team

Ethical consideration



Mission

Problem-solution fit

Market opportunities

Market Strategy

Ethical consideration

Team

The team



Vere Vreeswijk



Karthikeyan Sudarsan



Alicia Poels



Jinze Wang

We are committed to helping others manage stress and prevent burn-out, will you join?

Thank you



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**Icons are from Microsoft Teams Presentations (2023) and self-made*

Appendices

Survey 3 – HR

What problems surrounding burnout occur in the hospital?

1. We are dealing with a high psychological burden within a large group of our employees, on the one hand this has to do with the work and on the other hand also with their private situation.
2. Quite high absenteeism, workload is perceived as high, many changes are necessary in the future, but difficult to discuss without increasing pressure on the workload.
3. All known problems, in case of actual burnout problem for hospital -> absenteeism, extra workload of colleagues, loss of concentration and reduced productivity

How do you support people with burnout (financially, mentally, etc)? Does this happen when the burnout occurs or is it preventive?

1. We have various options in which we support employees both preventively and curatively. Our starting point is that the employee also has control over his/her health. As soon as it enters the curative spectrum, customized solutions are often sought on the advice of the company doctor, with or without the use of our provider arch.
2. Career coaching, coaching, support is possible in stressful financial private situations, first aid course for discomfort (1 coaching session if it all becomes too much for you), collective labor agreements that support less work, massage in the workplace, help with healthy living, exercise, etc.
3. Preventive central from Vitality program offering further at department level own approach. Curative approach in consultation with company doctor

Survey 3 – HR

Do you feel like you are missing something to support people around burnout? Why?

1. We believe that we can focus even more on prevention, which is something we are now increasingly committed to. The theme of vitality, including mental health, is an important topic of discussion.
2. Ultimately, it still comes down to the following: there is now too much work for too few hands in healthcare. This will not develop positively in the future, so it is important that we as healthcare organizations organize services differently so that more work can be done by fewer people.
3. In case of burnout, someone has actually dropped out, and from a prevention perspective we are continuously looking for extra support

What would it take to convince you to use Lim-It? Why?

- 1.- Scientific research has proven that this method actually works -> we work in a medical setting where people are often asked what the basis of a tool is.
 - To what extent employees are open to participating in this -> we think it is important that we, as HR professionals, do not impose anything on our employees, but above all we look at the extent to which they are open to this and feel it is useful and necessary.
 - What costs are involved -> we already have several tools that we use, so depending on the investment in this tool, it may or may not be interesting for us.
 - User-friendliness of the device/tool.
2. To be honest, after reading the information and watching the video, I have a lot of doubts. I wonder whether focusing on your mental well-being by having to think about it 5 times a day contributes to the goal you strive for, namely preventing burnout.
3. It is not clear to me what it does besides registration; How do you actually prevent burn out with this?

Survey 4 – HR

Who would make the decision to give Lim-It to the staff?

- 1.This would be a joint decision by the People & Development department in consultation with the managers. It could also be that the Board of Directors and Works Council should also be involved.
- 2.That would be the hospital MT for the entire hospital, but a department manager could run a pilot with a limited group of people.
- 3.widely supported; pilot may have been initiated by the People & Development department

If you were to implement it, how would you introduce it to healthcare workers? Why?

- 1.First, always in the form of a pilot in one or more departments where the manager(s) and employees are enthusiastic about using this tool. Only once the pilot has been running for a number of months and figures are known can we consider how to further implement this in the organization.
- 2.-
As a pilot

Would it be important to view your employees' data? Why or not?

- 1.In the context of privacy legislation, the question is whether this is at all possible. Of course it is nice for our organization to be able to monitor things, but if it harms the privacy of our employees, it will probably not be possible to view this data.
- 2.I would rather introduce it as a monitor and separate it from burnout. Burnout is really a very heavy term for a very serious condition, the term is used too easily when someone has tension complaints. So a neutral introduction would be better. Measuring mood + tips and direction on what you can adjust in your daily life to achieve a mood improvement.
- 3.The big picture is interesting, but not at a personal level from my perspective, but perhaps department managers think differently

Survey 4 – HR

At what level would you like to view the data?

- 1.An entire department, A team, By profession, Otherwise
- 2.A team, By profession
- 3.An entire department, A team, By profession

Is there something else you would like to tell us?

- 1.I would like to delve a little more into the decision-making procedures within the hospitals. In addition, further investigate how the privacy of employees is guaranteed. Scientific research/literature studies etc. are also always interesting to add.
- 2.Be sparing in using the term burnout. As previously indicated, this is used too quickly. Tension complaints or fatigue complaints are also possible. Perhaps you can label it more positively. Good luck!
- 3.keep us informed

Interview 3 – Doctor in training

You are doing some nice research and I think it is certainly important for doctors. I think the general trend is that we put the patient first and sometimes sell ourselves short. **If you work as a doctor in a nursing ward or emergency room, you are expected to be available at all times (including during lunch, for example) and during busy periods, breaks are often missed.** In addition, there is little reflection when intense situations **arise** with very sick patients, although more and more attention is being paid to this in the MMC. Your working day is also often not finished at 5 p.m., but you still have to complete things for the patients you care for, so that you don't saddle the evening shift with a mountain of work. Even if you can work efficiently, you unfortunately cannot prevent new problems from arising with your patients just before the evening transfer, which you then have to deal with yourself.

Answers to your questions below.

Frequency

You have Lim-It on your uniform all day and the app is not at hand. At the end of the day, you return Lim-it to the charging station and you can find the answers you collected throughout the day in the app.

When would you think would be a good time to reflect?

These could be different times, for example at the end of a shift, so it could be at different times depending on the shift you work (day-evening-night). Reflecting once halfway through the shift can also be good, so that you gain more insight into how the first part of your shift went and how you can anticipate this in the second part of the shift. Another, perhaps best, option is **at the end of the day**, because you may have done relaxing things after your shift that will reduce your stress level somewhat. **Sleep quality and nutrition are of course also important.** That should be taken into account when reflecting.

Interview 3 – Doctor in training

How often would you like to reflect?

Max 2x per day, otherwise it might be a lot (so it also depends on what the reflection looks like exactly in terms of duration, etc.).

How much time would you like to put into registrations?

By registrations do you mean indicating how you feel 4 times per shift using the buttons? Preferably as short as possible, **1 minute**? If you have to do this 4 times during a shift and it takes, let's say > 5 minutes each time, then it might only cause more time pressure/stress instead of less. I wonder a bit how extensive the app can reflect on button presses, very good to bad. If the app has to reflect on this, I think it needs **more data**? I think feeling good or bad depends on many things (see also answer to question 1). In addition, those buttons are on the Lim-it device on your uniform, right? I'm not sure whether you should only ask how someone is feeling during working hours? **Shouldn't you also ask this during the free time that follows**? I can imagine that if you have a busy shift and you feel mediocre because you have not had a break, for example, you can compensate for this mediocre feeling by going out for a nice meal or exercising in the evening.

Some people may not be able to compensate for this because, in addition to their work in the hospital, they also have children or, for example, have to work on their promotion. It is often a **combination of things that determine whether your stress level exceeds your maximum limit**.

Interview 3 – Doctor in training

Contents

Throughout the day you record how you feel about 4 times. The options for this registration are very good - good - neutral - bad - very bad.

How would you like to reflect on the submitted registrations?

I think you mainly want to know **why a certain service makes you feel bad**. I think that if you reflect on this, you can also do something about it in the next service.

Would you like to reflect per registration/per day/per week? Why?

Initially I think **per day**. That you can look at why you felt bad or good every day. By gaining insight into this, you can take this with you to the next shift/day. Ultimately, I think it should be more of **a kind of alarm/signaling**. So if it goes well, it's fine. But if, for example, you have indicated that you feel worse for several days, you will receive a reflection in the app.

Do you think it is important to reflect on positive and/or negative registrations? Why?

See above, initially **both positive and negative**, so that you get a better idea of why you felt bad or good on certain days. Ultimately, **only an alarm if things seem to get worse** in a few days.

Would you also like to think about things you could possibly change?

Yeah of course. The question is **whether you can change a lot during work** to make it less stressful. Our system is set up so that, for example, you are expected to always have your signal with you, even when you have a break, etc. But becoming aware of how you deal with these situations is always good and you may have to do it during a stressful day. also **focus on how to deal with your free time** --> what do you do in it to relax again?

Survey 2 - doctors in training results

Would you wear the device during work?

1. Yes, I'm curious about what things have an effect on my mood.
2. Yes, provided this is provided by management.
3. Yes, it is useful to know whether work affects your mood
4. Not because it is an extra burden at work and can be distracting.
5. I don't know if I would use the device, but I think wearing such a device would cause little inconvenience.
6. Yes, because then I can find out what my mood is when I'm at work and whether that varies from day to day.

Would you use the app?

1. Yes, I think there is something that can be done to reduce or prevent possible burn out complaints
2. Yes
3. Yes, so you can see what your mood is doing throughout the day
4. Not because it is an extra burden at work and can be distracting.
5. I don't really know. I think there are better ways than pressing a button a few times a day to map your stress level. I believe that expressing your feelings to colleagues and listening to your own feelings and boundaries works much better. If people have difficulty gaining insight into when they are stressed, then this is a good starting step.
6. Yes, because suggestions for changes are also indicated. And you can do something with that to improve your mood at work.

Survey 2 - doctors in training results

How many times per day would you like to fill in your mood?

1.4, Four moments during the day when you can see what influences the mood.

2.3, Maybe early morning, lunch and time. I don't think anything more is necessary

3.4, If it becomes more frequent, it will also bother you during your work

4.Less than 2, Not because it is an extra burden at work and can be distracting.

5.More than 7, Maybe 8: your shift is 8 hours. So you measure it every hour. Although I don't know whether pressing 8 times contributes to the motivation of healthcare providers because then you have to do it quite often.

6.4, I think four moments in a day is enough. And you can then distribute that during your shift.

With whom would you share the information from the app?

1.Friends/family, colleagues, Share experiences and perhaps see what can be done differently during the day.

2.Company GP, managers, They can do something with it

3.Friends/family, colleagues, Useful for them to know what effect work has on your mood

4.No one, Not because it is an extra burden at work and can be distracting.

5.Psychologist, My manager or HR does not need to know this. I will let you know if things don't go well. The same applies to colleagues, my team does not need to know all this either. I think it is up to you, when you notice that you are under a lot of stress, to report this to the people you feel comfortable with.

6.Company doctor, managers, friends/family, With friends and **family** because they are close to you and you can discuss it with them. With the manager of my department, because she can then refer me to a company doctor and see with me how we can change this. And a company doctor, because she can help me see how we can improve this in the workplace.

Survey 2 – Young care givers results

What data from the app would you share?

1.Suggestions, daily reports, Seems useful to me

2.Summary, Only things that are special are important

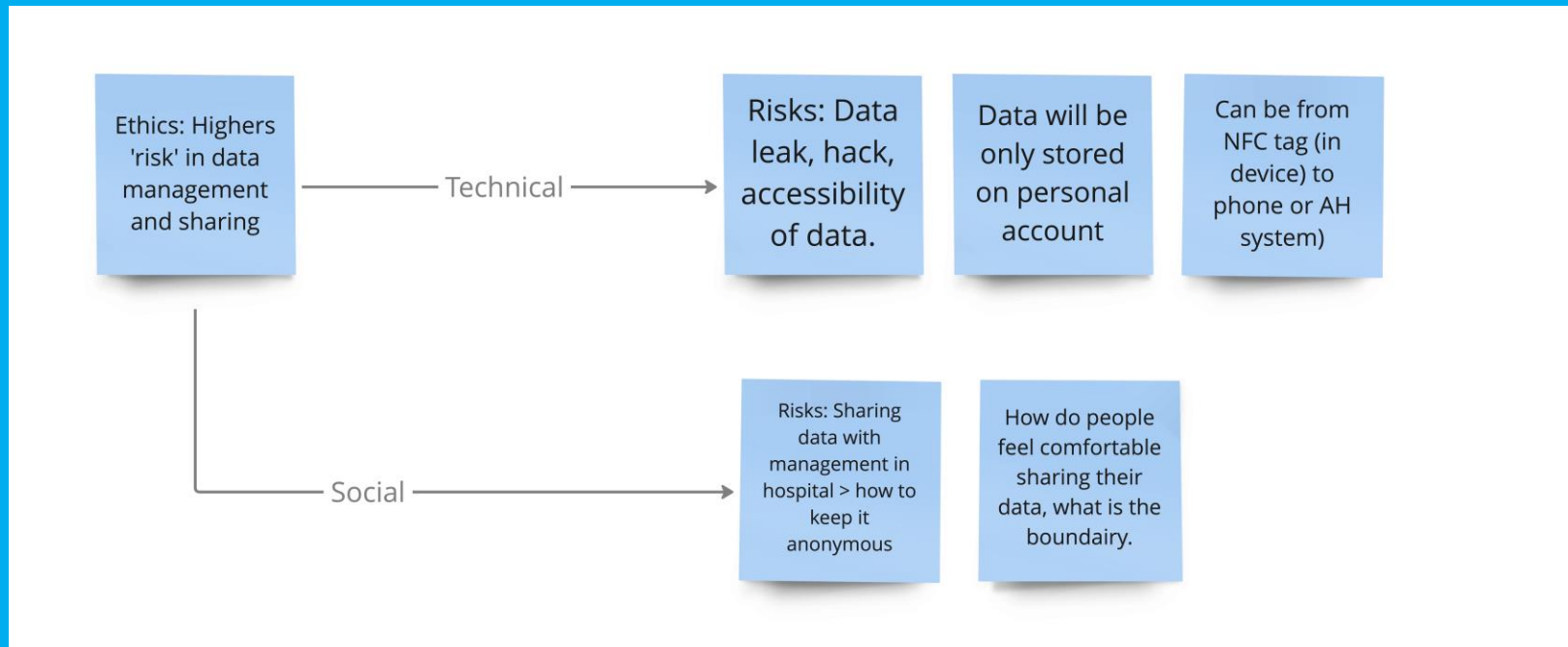
3.Summary, Daily reports are too many and too often to share with people

4.Nothing, Not because it is an extra burden at work and can be distracting.

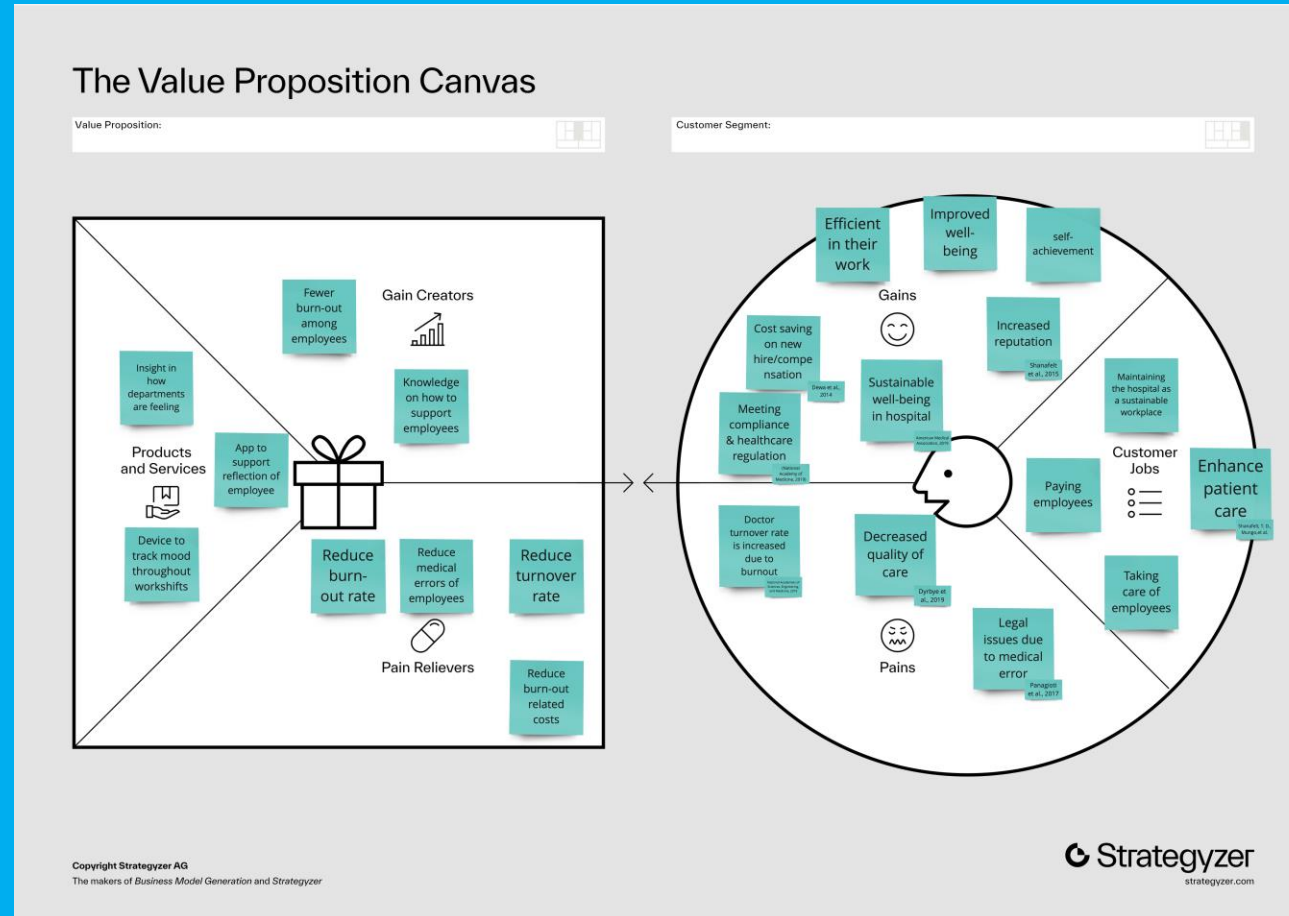
5.Summary, I think that's the most important

6.Suggestions, daily reports, Because everyone can see what my moods were during the services. And what the suggestions were. And so we can look together at how we can improve this.

Ethics (in data)



VPC - Buyer

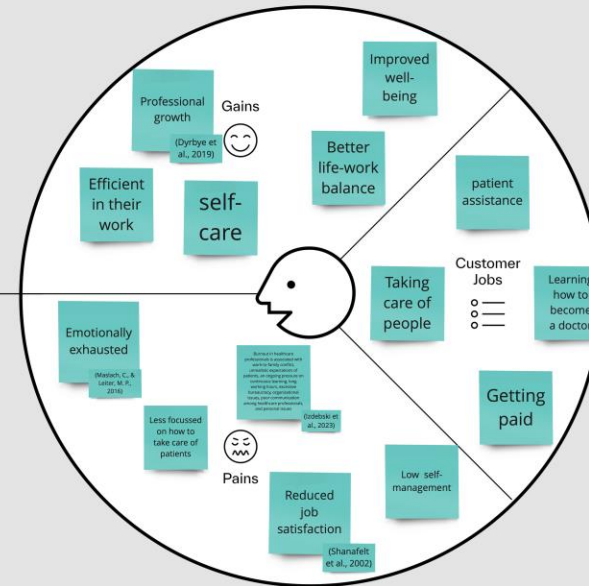
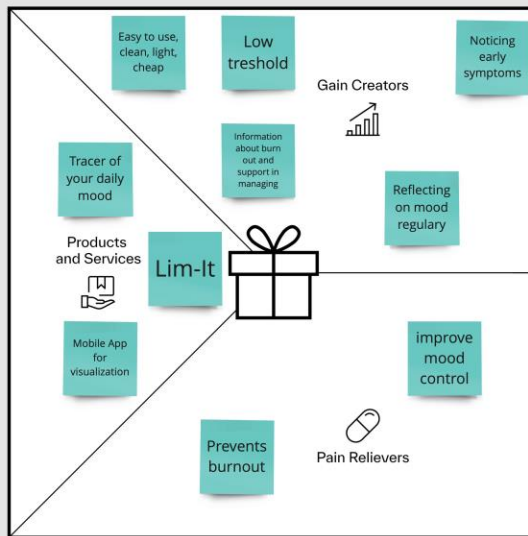


VPC - User

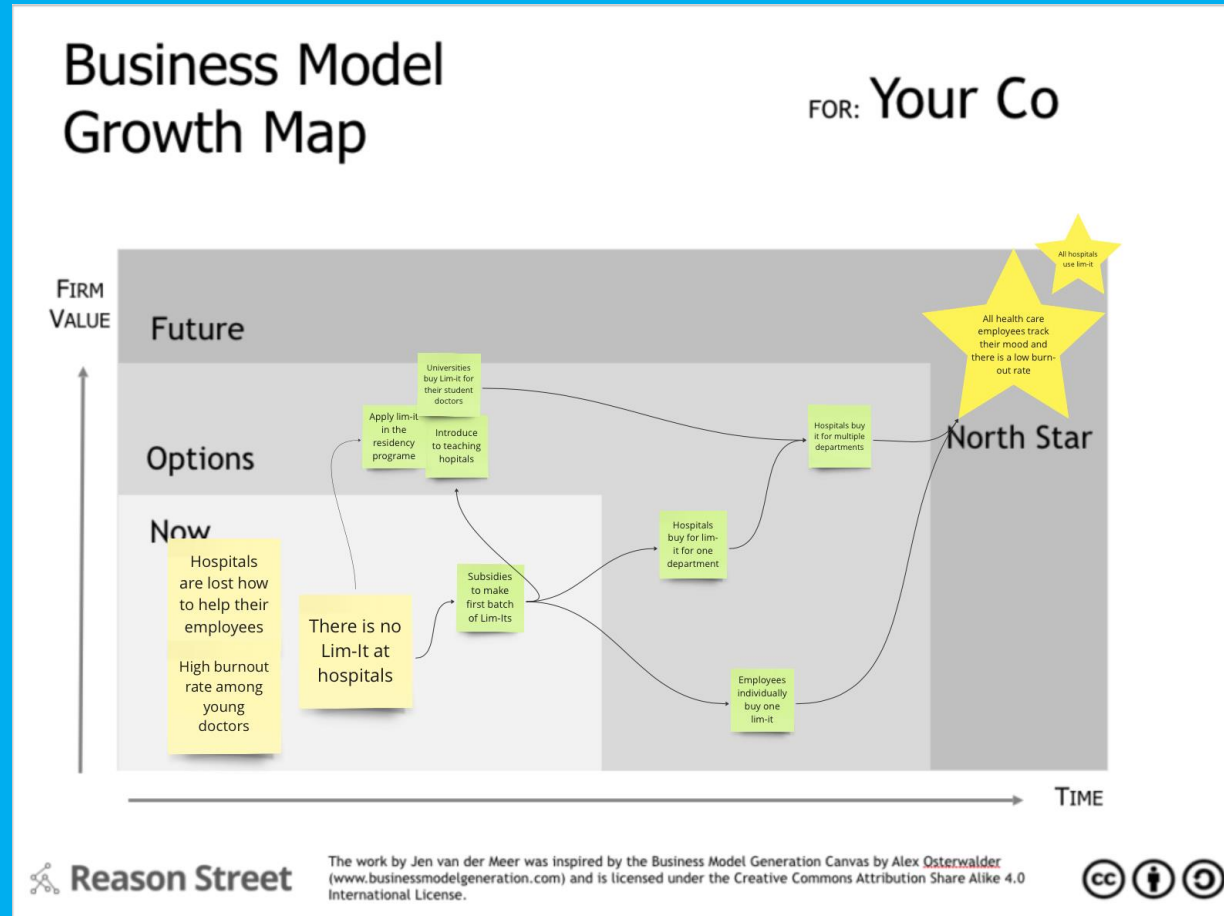
The Value Proposition Canvas

Value Proposition:

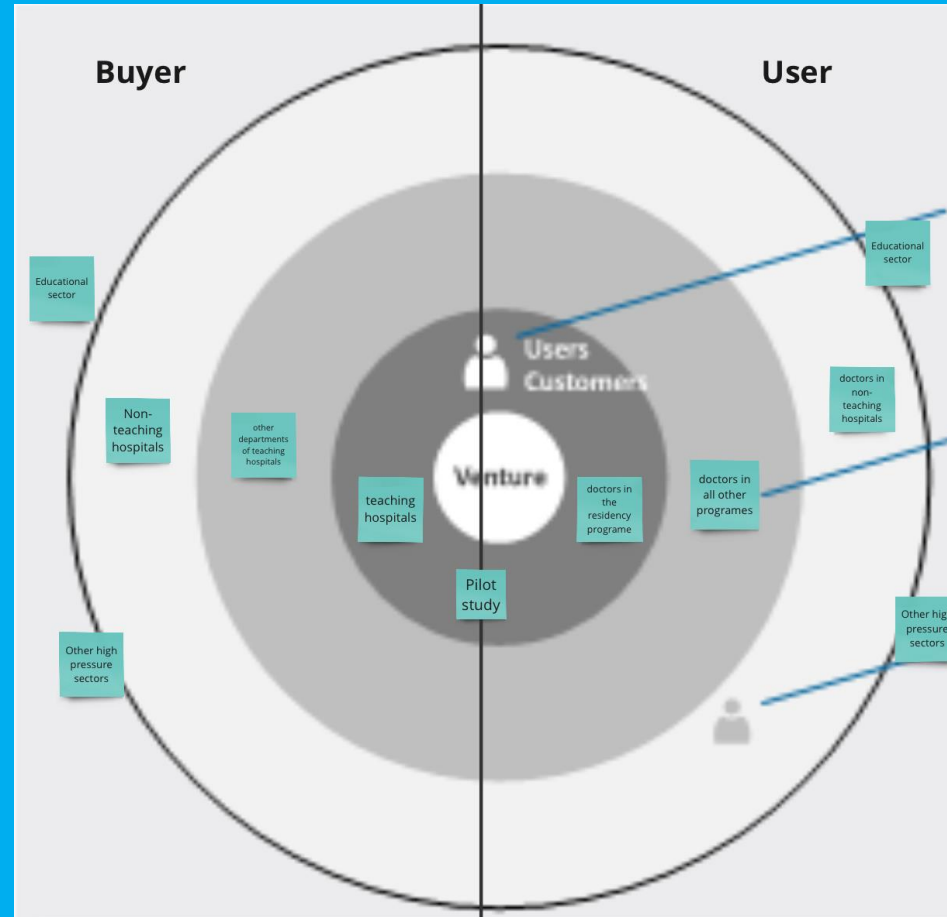
Customer Segment:



Business growth map



Stakeholder map (workshop)



Production calculations

FINAL BUDGET PLAN								
ONE-TIME COST		In Euro	EXPENSES	MONTHLY		ANNUAL		
				In Euro/month	% of Total	In Euro/year	% of Total	
FC	Mould Cost	25000	FC	Regulatory Compliance	835	0,615247453	10020	0,615247453
FC	Prototyping & Testing	5000	FC	Material Cost	1800	1,326281934	21600	1,326281934
VC	Website development	15000	VC	Salaries	65242	48,07182553	782904	48,07182553
FC	Data Security Software	30000	VC	Data Analysis & AI algorithm	12500	9,210291211	150000	9,210291211
FC	IP Fee	8000	VC	IOS app fee	8,25	0,006078792	99	0,006078792
VC	App Development	40000	FC	Manufacturing cost	45620	33,6138788	547440	33,6138788
VC	Software Development	100000	VC	Office space (inc. w/g/e)	5000	3,684116484	60000	3,684116484
VC	Google App store fee	25	VC	Utilities	700	0,515776308	8400	0,515776308
FC	Office Space Advance	5000	FC	Company Insurance	325	0,239467571	3900	0,239467571
FC	Office Equipment & Utility	35000	FC	Software Licenses	387,5	0,285519028	4650	0,285519028
FC	Business License	549						
FC	Accounting & Legal fee	301	FC	Legal & professional	1800	1,326281934	21600	1,326281934
FC	Emmergency Fund	20000	VC	Miscellaneous Cost	1500	1,105234945	18000	1,105234945
FC	Advertising & promotion	11% of Revenue						
	SUBTOTAL	283875		SUBTOTAL	135717,75	100	1628613	100

Product Cost/30 units				
Vaccum mould cost				
				OneTimecost/sales volume + Annual cost/sale volume
Estimates Sales Volume	50000	Expecting in next 5years		
Device Price	Software cost	Total	Device %	Software %
12,1408	26,10896	38,24976	31,74085	68,25915
Fixed Cost	Variable cost			
718060	1174428			

*There is more in an excel file (see all the tabs below in the image).

Production calculations

IT Team	No. of employee	Salary/year in Euro	
Senior Software developers	1	64000	https://www.linkedin.com/pulse/what-ideal-size-development-teams-onix-systems/#:~:text=Once%20you%20have%20determined%20the,larger%20and%20more%20complex%20projects.
Junior Software developers	1	44349	https://www.evolve-consultants.co.uk/2020/09/22/how-to-build-software-development-team-startup/#:~:text=For%20example%2C%20a%20Scrum%20Guide,team%2C%20communication%20becomes%20more%20difficult.
Software Tester	1	36625	https://www.wereadevelopers.com/magazine/software-developer-salary-in-the-netherlands
Product manager	1	66820	https://www.payscale.com/research/NL/Job=Software_Developer/Salary
Software Architect	1	49000	https://www.payscale.com/research/NL/Job=Software_Tester/Salary
Product Designer	1	42489	https://www.payscale.com/research/NL/Job=Product_Manager%2C_Software/Salary/0cdaa150/Amsterdam
			https://www.payscale.com/research/NL/Job=Software_Architect/Salary
Total		303283	https://www.payscale.com/research/NL/Job=Product_Designer/Salary
Customer Service team	No. of employee	Salary/year in Euro	
Sales Support Specialist	1	32846	https://www.payscale.com/research/NL/Job=Sales_Manager/Salary
			https://www.payscale.com/research/NL/Job=Inside_Sales_Representative/Salary
Total		32846	https://www.payscale.com/research/NL/Job=Sales_Support_Specialist/Salary
Finance Team	No. of employee	Salary/year in Euro	
Finance Analyst	1	48772	https://www.payscale.com/research/NL/Job=Financial_Analyst/Salary
Accountant	1	40707	https://www.payscale.com/research/NL/Job=Financial_Accountant/Salary
			https://www.payscale.com/research/NL/Job=Marketing_Manager/Salary
			https://www.payscale.com/research/NL/Job=Analytics_Manager/Salary
Total		89479	https://www.payscale.com/research/NL/Job=Senior_Data_Analyst/Salary
			https://www.payscale.com/research/NL/Job=Junior_Data_Analyst/Salary
Sales Team	No. of employee	Salary/year in Euro	Total
Sales Manager	1	50267	50267
Sales Rep	2	36466	72932
Marketing Manager	1	51232	51232
Total			174431
Outsource	No. of employee	Salary on Demand in Euro	
Designer	1	3360	
Total		3360	
TOTAL SALARY/year		603399	
TOTAL SALARY/month		50283,25	
Data Analysis Team	No. of employee	Salary/year in Euro	
Data Analyst Manager	1	83000	
Senior Data Analyst	1	64000	
Junior Data Analyst	1	32500	
TOTAL SALARY/year		782899	
TOTAL SALARY/month		65241,58333	

Production calculations

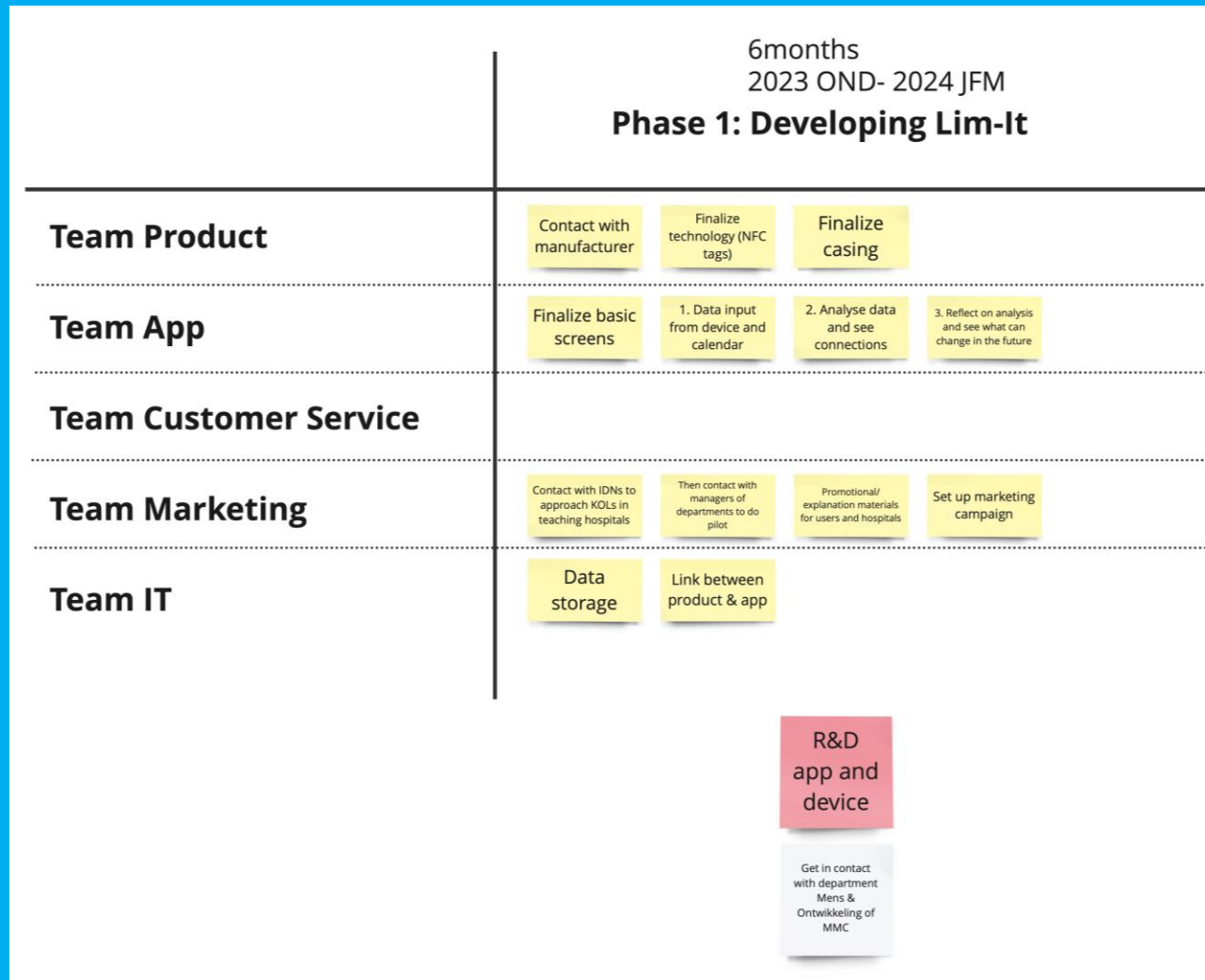
Accounting and Legal Fees		One time Cost			
One-off registration fee		51,95			
Startup capital requirement		0,01			
Notary/Legal fee		250			
Total		301,96			
Cost		Monthly Expense	Annual Fee		
Accounting cost		300	3600		
Legal Consultation cost		300	3600		
Annual bookkeeping or accounting fee/administration cost		1200	14400		
Total		1800	21600		
https://www.usemultiplier.com/netherlands/company-registration					
https://www.42workspace.com/guide/setting-up-a-company/#section-2					
Software Licensing		Euro per month	1 year/person	15 person	Per Organization
Microsoft		12,5	150		2250
Accounting Software +Payment Tracking software		200			2400
Total					4650
Sales, Marketing, PR software	Future Investment				
https://www.microsoft.com/en-us/microsoft-teams/small-medium-business#chooser					
https://www.zoho.com/books/pricing/?network=g&device=c&keyword=accounting%20software&campaignid=9709850356&creative=609245404691&matchtype=p&adposition=&placement=&adgroup=97690036725&targetid=kwd-10146431&clid=Ci0KCGiwm66p8hDQARisALIR2zCOIQnmwK1rI9LjG6MnKMnlvAeEQRfbHXn5pp4pxKUVQaw38zi0aAtfFEAlw_wcB					
Insurance		In dollar	In dollar	In euro	
General liability insurance		30	360	342	
Commercial property insurance		63	756	718,2	
Inland marine insurance		14	169	160,55	
Cyber liability insurance		123,75	1485	1410,75	
Business interruption insurance		40	480	456	
Workers compensation		70	840	798	
Total average cost:		340,75	4090	3885,5	
https://www.forbes.com/advisor/business-insurance/small-business-insurance-cost/					
Regulatory Compliance		Cost with Sprinto/yr			
GDPR Compliance		4900			
Soc2 Compliance		4900			
Total		9800euro			
		~10000 euro			
https://sprinto.com/blog/soc-2-compliance-cost/					
https://sprinto.com/blog/gdpr-compliance-cost/					
Materials and Manufacturing		Cost Per Unit	1000	Units	
Material Cost (LLDPE C6)		0,18	1193	In Ton	
Machining Cost		0,65	650,00		
Sensor		1	1000,00		
Tactile Switch cost		1,02	1020,00		
Mould tooling cost		0,025	25	4 cavity tool 25000 euro , 1million+pieces	
Included price in BOM					

Production calculations

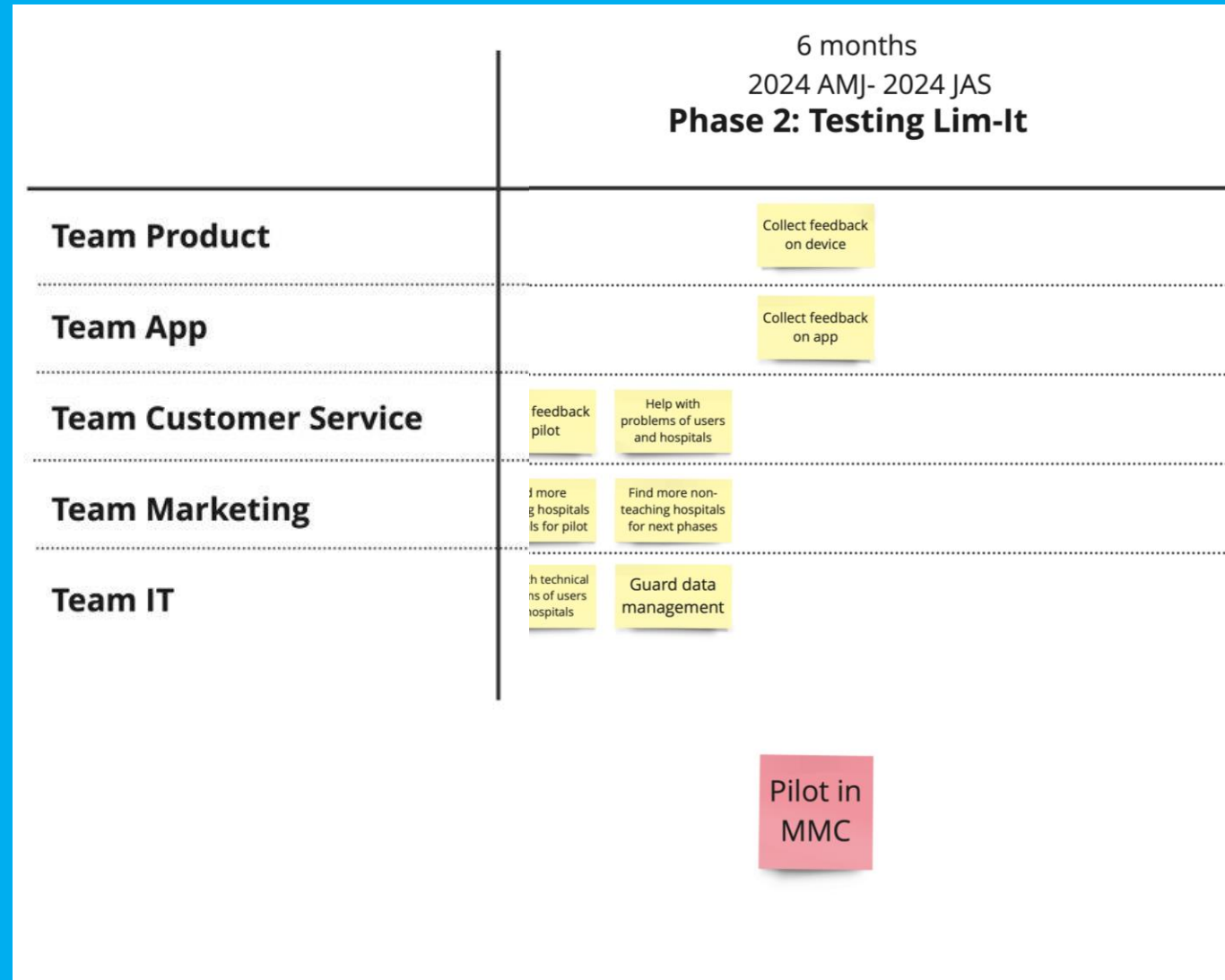
	Units	Units	Bill of Material	
Per month		10000	Device top & bottom with button	0,855
JPD		335	Sensor	1
Material cost		1800	Tactile Switch cost	1,02
Total Manufacturing Cost		45620	Screws	0,02
			PCB	0,8
			Manual (Paper) print	0,08
				3,775
			Package (separate)	0,302
			Total	4,077
			BOM (4.077) + Manf. Cost (0.485)	4,562

al Budget Plan Salary Background Cal Other cost Cal Sheet1 Cost for 10000units per month +

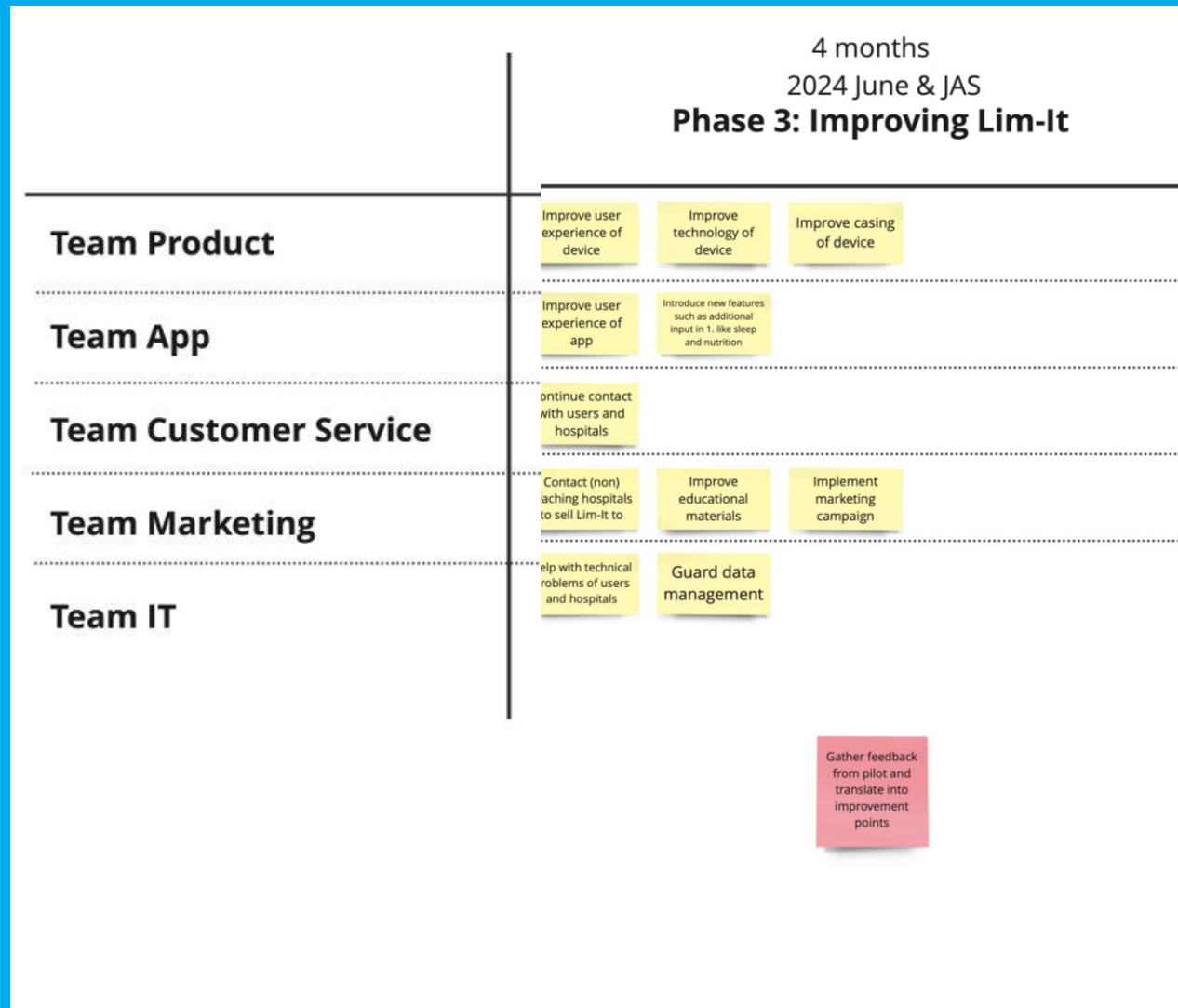
Roadmap phase 1



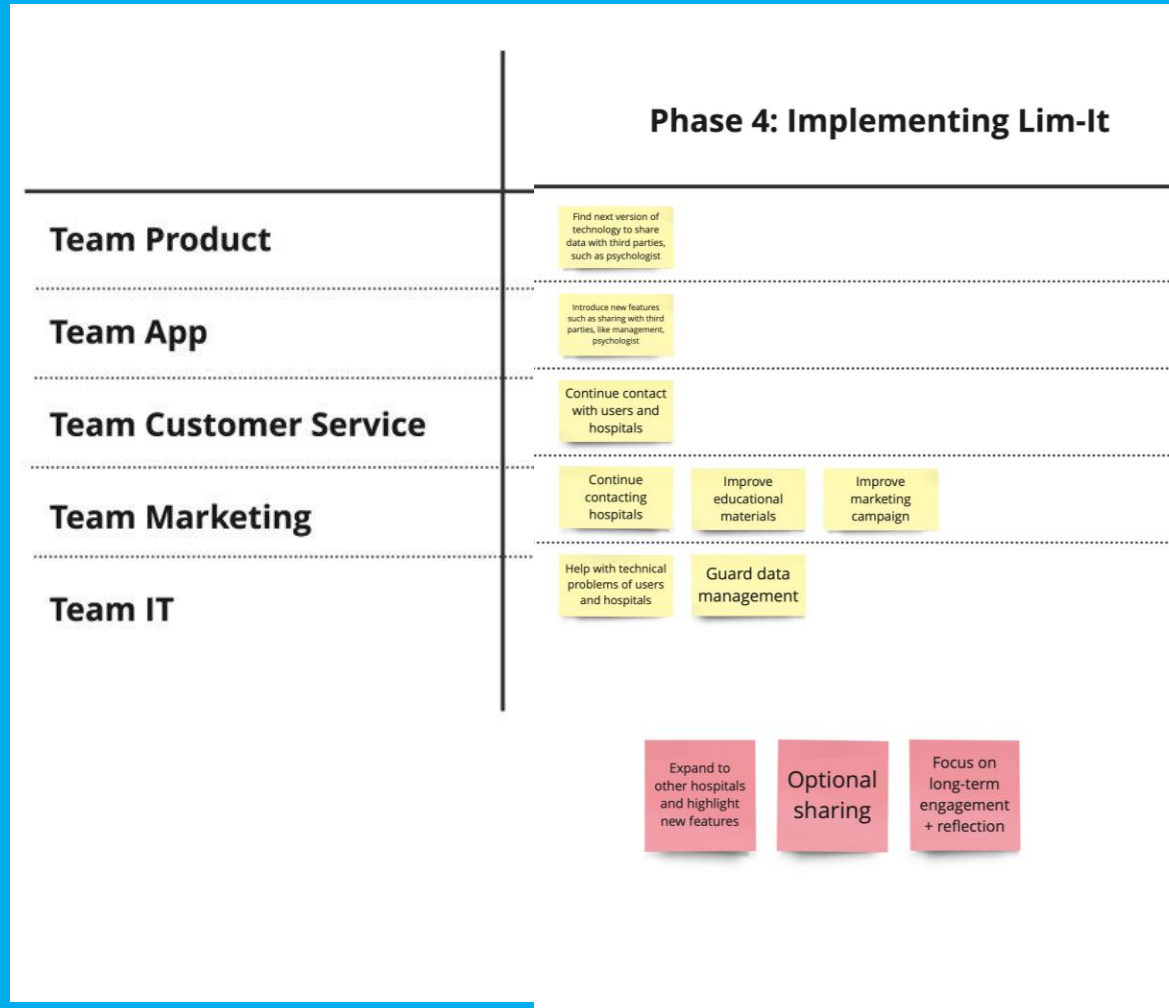
Roadmap phase 2



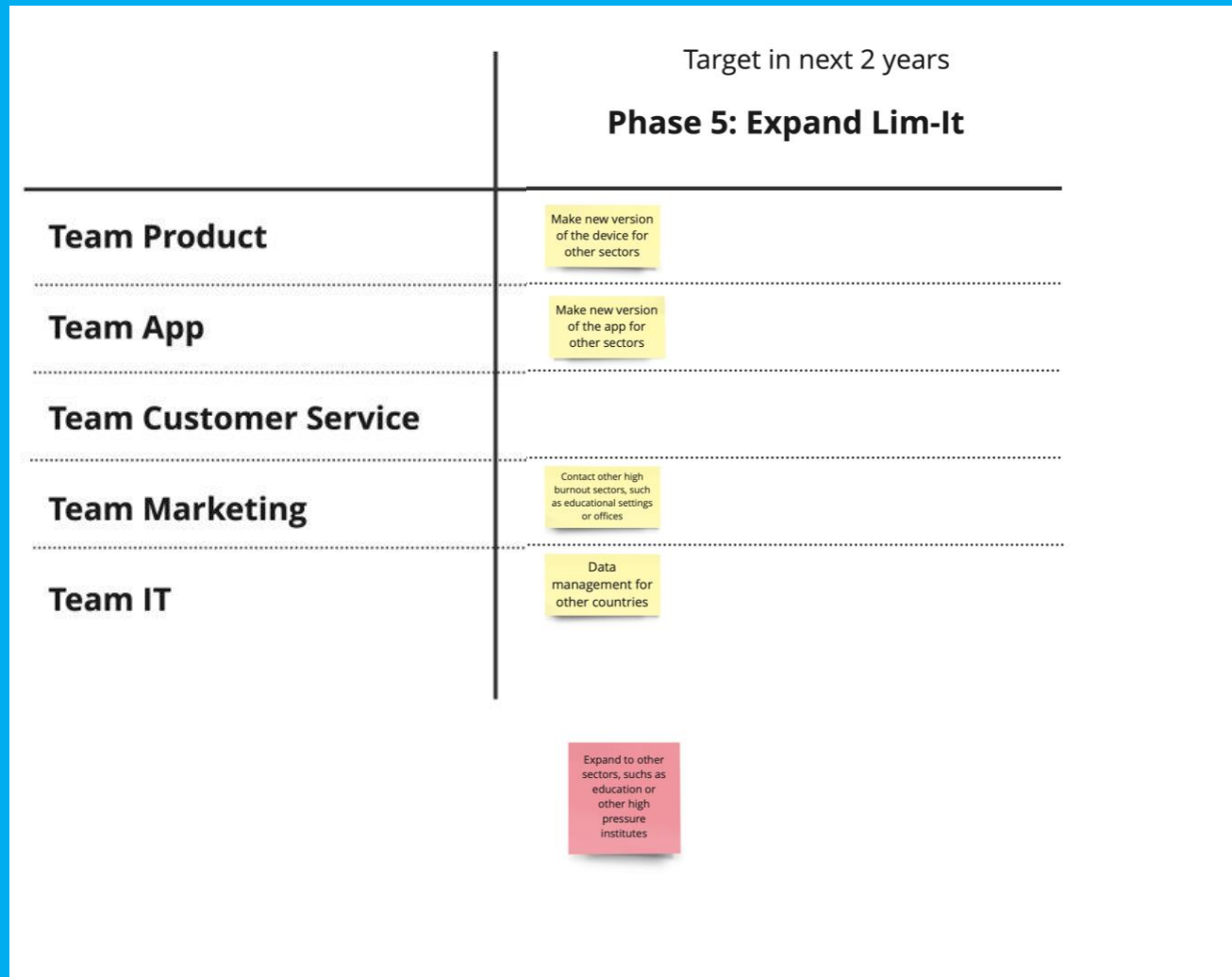
Roadmap phase 3



Roadmap phase 4



Roadmap phase 5



Flyer user

Lim-It

Preventing burn-out

Your health is our priority

Currently, one of the biggest problems in the healthcare sector is stress and burn-out amongst healthcare workers. Especially in the Netherlands and in Belgium, doctors work over 40 hours a week [3]. Many don't have time to take care of themselves and (burnout) symptoms often get unnoticed. The symptoms can even be a risk to patient care [1]. A step to prevent burnout and manage stress is to become more aware of your mood and identify early what causes your struggles. This is where Lim-It comes, a way to track your mood and reflect on how you are feeling throughout the day.

About Lim-It

Lim-It exists of a device and an app that work closely together. The device is small and white with 5 buttons. The colour and size make sure you can wear it on your uniform unnoticed. A few times per day, the device will vibrate so you are reminded to give your current state a number. This number ranges from 1 (very bad) to 5 (very good).

Common stress and burn-out symptoms [1]

- Often feeling tired, helpless or alone
- Self-doubt
- Negative/cynical thoughts
- Procrastination
- Feeling overwhelmed
- Emotional exhausted

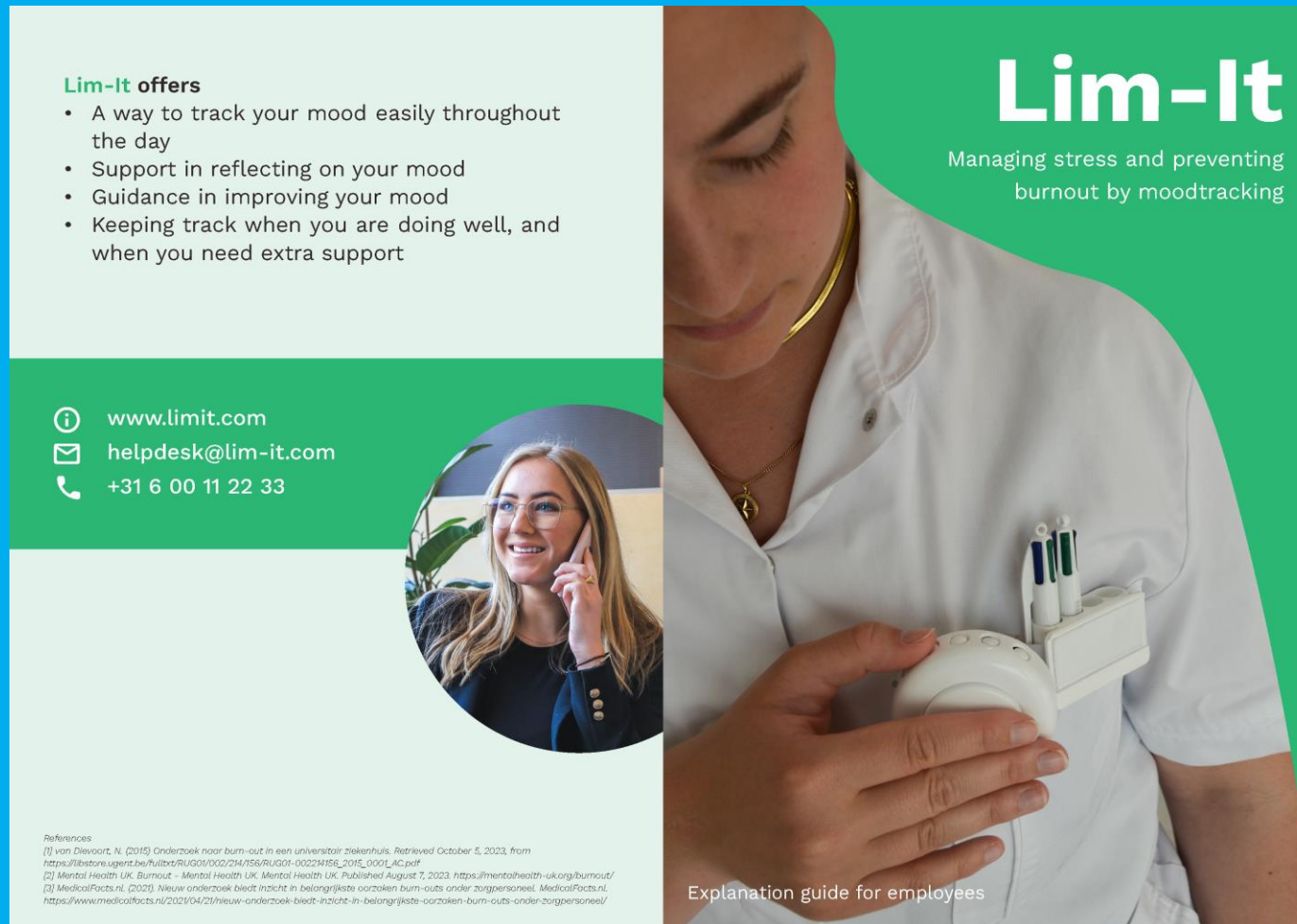
At the end of the day, you can find the data back in the app. Next to this, the app will analyse this data, additional input and your calendar to give more insight in your day. Based on this, you get an overview of how you are feeling and where the positive and negative moments are. It also helps you to think about the next steps with questions.

Reach your goals with Lim-It

The goal of Lim-It is to give you more insights in your mood throughout the day. Additionally, it lowers the threshold to reflect on your mood. You will not only notice when you have a bad day but also when your days are going good and stable. Lim-It supports establishing good habits you have as well. This is why you can always use Lim-It, to prevent burn-out and get to know yourself better.





Flyer user





Lim-It offers

- A way to track your mood easily throughout the day
- Support in reflecting on your mood
- Guidance in improving your mood
- Keeping track when you are doing well, and when you need extra support


 www.limit.com

 helpdesk@lim-it.com

 +31 6 00 11 22 33



Lim-It
Managing stress and preventing burnout by moodtracking



Explanation guide for employees

References
[1] van Dievoort, N. (2015) Onderzoek naar burn-out in een universitair ziekenhuis. Retrieved October 5, 2023, from https://libstore.ugent.be/handle/RUG01/0002/24/156/RUG01-00224156_2015_0001_AC.pdf
[2] Mental Health UK Burnout – Mental Health UK. Mental Health UK. Published August 7, 2023. <https://mentalhealth-uk.org/burnout/>
[3] MedicalFacts.nl. (2021) Nieuw onderzoek biedt inzicht in belangrijkste oorzaken burn-outs onder zorgpersoneel. MedicalFacts.nl. <https://www.medicalfacts.nl/2021/04/21/nieuw-onderzoek-biedt-inzicht-in-belangrijkste-oorzaken-burn-outs-onder-zorgpersoneel/>

Flyer buyer



Lim-it
Preventing burn-out

Your hospital is our priority
Currently, one of the biggest problems in the healthcare sector is stress and burn-out amongst healthcare workers. Especially in the Netherlands and in Belgium, doctors work over 40 hours per week [1]. Many don't have time to take care of themselves and (burnout) symptoms often get unnoticed. This leads to a lot of sick leave in hospitals, who cover 93% of the burn-out related costs [2]. Additionally, there are no low physical and uniform approved tools for hospitals to help their employees.

This is why you can make use of Lim-it, the tool to manage stress, prevent burn-out and more. When employees are supported in understanding how they are feeling, they can notice when they are overworked and receive help before it is too late.


About Lim-it
Lim-it consists of a device and an app. The device has 5 buttons ranging from very bad to very good so employees can easily register their mood several times a day. The data will be analysed in the app together with other contexts, such as the agenda. Based on this, the employee gets an overview of how they are feeling throughout the day and reflect on their wellbeing.

In the short term, employees get the means to focus on themselves without spending too much time. In the long term, they will develop habits to easily reflect, identify positive and negative moments and prevent becoming overworked.

The devices can easily be charged in the stations, so you and your employees do not need to worry about this. The data is locally stored to protect everyone's privacy.

Lim-it offers

- Guidance for employees to focus on their well-being
- An accessible charging station for the devices
- Tracking the wellbeing for employees and alarming them when help is needed
- Insights in how departments are doing
- Less burn-out related costs



The image shows a white, circular Lim-it device with five buttons and a smartphone displaying the Lim-it app interface. The app screen shows a mood selection interface with a calendar and a heart icon.

Flyer buyer

Lim-It
Managing stress and preventing
burnout by moodtracking

www.limit.com
helpdesk@lim-it.com
+31 6 00 11 22 33

References
[1] MedicalFacts.nl. (2021). Nieuw onderzoek biedt inzicht in belangrijkste oorzaken burn-outs onder zorgpersoneel. MedicalFacts.nl. <https://www.medicalfacts.nl/2021/04/23/nieuw-onderzoek-biedt-inzicht-in-belangrijkste-oorzaken-burn-outs-onder-zorgpersoneel/>
[2] MindImpact. (2020, 19 mei). Wordt een behandeling voor burn-out vergoed? | MindImpact. MindImpact.
<https://www.mindimpact.nl/gezondheid/wordt-een-behandeling-voor-burn-out-vergoed/#:~:text=Burn%2Dou%20wordt%20niet%20vanuit%20het%20basispakket%20vergoed&text=De%20volledige%20kosten%20van%20deze,van%20de%20qat%20C%20A%20of%20werkgever.>

Explanation guide for hospitals

Survey 1 - Doctors in training results

We read that there are a lot of burnouts in the medical sector. Do you agree? Why yes or no?

P1: Yes, there are many burnout complaints among medical students. I have three friends who have dropped out with burnout complaints, and I know more (all interns).

P2: Yes, I also see relatively many people with burnout around me.

P3: Yes. Own experience and experience from the environment

What do you hear about burnout during your own studies?

P1: At the beginning of the master's degree, a lecture was said that it is important to recognize stress, but that it is also a sign that you have the opportunity to learn something new. It was also said that, for example, you can call your friends instead of visiting them if you are stressed. This way you can still spend time on your studies. I thought that was a very strange statement.

P2: Information, leaflets, subject during intervision

P3: Discussed twice during working group

What kind of help can you get if you have burnout complaints during your studies?

P1: You can report to the study advisor and the student psychologist.

P2: Study advisor and psychologist

P3: From study, stop study with partial reimbursement of paid months via the board of directors. Further contact with study advisor and coach

Survey 1 - Doctors in training results

What kind of help can you get if you have burnout complaints at work?

P1: No experience with it

P2: Mentor, colleagues, company doctor

P3: Reduced paid hours with io partly reimbursed

Can you briefly describe what a working day looks like for you? Are there specific moments that stand out to you?

P1: My working day starts at 8 and usually lasts until half past five/six o'clock in the evening

P2:

- 8-8:30 am reading patient files
- 8:30-9am transfer of service
- 9-11.30 nurses consult, assess patients, visit the department, work out administration
- 11.30-12.30 supervision
- 12.30-13 lunch
- 13-14 multidisciplinary consultation
- 14-16 family conversations
- 4-5:30 PM working out conversations, assessing patients, transferring evening shift

P3: Internship. Internship from 8:30 AM to 5:00 PM. Half hour break. Maintaining patient contacts.

Survey 1 - Doctors in training results

Could you wear Lim-It at work? Why or not?

P1: Yeah, I don't see why not. You just couldn't use it if you were **sterile** (for example, OK). You should also put it away when talking to patients where you absolutely **do not want to be disturbed**.

P2: In the department and emergency department, **not in the operating complex**

P3: Yes, at the moment I expect the supervisors to be open to this on internship day

Would you like to wear Lim-It at work? Why or not?

P1: **If everyone did that**, I would wear it. There is a work culture in healthcare where work-related stress is not always taken seriously, so you may receive comments about it (reason not to wear it).

P2: I don't think so, I don't experience any complaints now and it is still a device on your jacket that you have to do something with in addition to everything else.

P3: Yes. Good assessment of mood.

What would you change about Lim-It? Why?


P1: If that is not yet possible, it would be nice to be able to take notes in the app yourself. This way you could see why you felt bad at that moment. In this way, you could eventually see a pattern of which types of events cause you to feel less comfortable in your own skin. I wouldn't change much about the design. It is important that the device can be **thoroughly cleaned** with alcohol for disinfection.

P2: Can you **adapt it to your service**? For example, where it normally does not vibrate during the night, it may vibrate during night shifts, but you can switch it off again after the shifts.

P3: **Smaller device.**

CJM User

- The Customer Journey Map for the user (young doctors)
- Central question: How to make people wear and use Lim-It?
- Conclusion: Challenge is stimulate people to keep wearing Lim-It and to keep registering their mood.

Journey Steps Which step of the experience are you describing?	Awareness First contact with product/service	Consideration Communication- USP's Will I wear this?	Purchase Where to buy Making the decision to wear	Retention Delivery- Service after start wearing it	Loyalty Long-term relations
Actions What does the customer do? What information do they look for? What is their context?	<div data-bbox="445 192 598 299">Lim-it is handed out by the management. The user is asked to wear this</div>	<div data-bbox="764 192 853 299">The user needs to know how the device works</div> <div data-bbox="879 192 968 299">Needs to know how to keep it clean</div> <div data-bbox="1006 192 1095 299">Understand the privacy element of their data</div>	<div data-bbox="1172 192 1261 299">Decides to try it for a day</div> <div data-bbox="1286 192 1375 299">Install the app</div> <div data-bbox="1401 192 1490 299">Make an account</div> <div data-bbox="1516 192 1605 299">Clip to uniform</div>	<div data-bbox="1707 192 1796 299">Interact in the app</div> <div data-bbox="1821 192 1911 299">Reflect on data</div> <div data-bbox="1936 192 2025 299">Read the FAQ in the app</div>	<div data-bbox="2127 192 2216 299">User delivers feedback for app</div> <div data-bbox="2242 192 2331 299">If device breaks it is replaced</div> <div data-bbox="2356 192 2446 299">Customer service is accessible via app</div>
Needs and Pains What does the customer want to achieve or avoid? <i>Tip: Reduce ambiguity, e.g. by using the first person narrator.</i>	<div data-bbox="420 406 496 506">I want to reduce my burn-out symptoms</div> <div data-bbox="535 406 624 506">No clear idea what Lim-it is?</div>	<div data-bbox="764 406 853 506">Find information on Lim-it on the company itself.</div> <div data-bbox="879 406 968 506">Read reviews online. Discuss with co-workers</div> <div data-bbox="1006 406 1095 506">No clear idea what happens with the gathered data</div>	<div data-bbox="1172 406 1261 506">Easy and fast onboarding in the app</div> <div data-bbox="1286 406 1375 506">Time investment in setting up the device</div> <div data-bbox="1401 406 1490 506">Easy attachment and syncing the device</div> <div data-bbox="1516 406 1605 506"></div>	<div data-bbox="1707 406 1796 506">Good app onboarding and maintenance</div> <div data-bbox="1821 406 1911 506">Guide reflection</div> <div data-bbox="1936 406 2025 506">Well designed UI</div>	<div data-bbox="2127 406 2216 506">Room to make suggestions</div> <div data-bbox="2242 406 2331 506">Quick service if device breaks</div> <div data-bbox="2356 406 2446 506">Quick response from customer service</div>
Touchpoint What part of the service do they interact with?	<div data-bbox="471 599 573 706">Interaction is with the device Lim-it, not with the app.</div>	<div data-bbox="764 599 853 706">Website</div> <div data-bbox="879 599 968 706">Device</div> <div data-bbox="1006 599 1095 706">Google?</div>	<div data-bbox="1286 599 1375 706">Device</div> <div data-bbox="1401 599 1490 706">App</div>	<div data-bbox="1821 599 1911 706">App</div>	<div data-bbox="2178 599 2267 706">App</div> <div data-bbox="2305 599 2395 706">Customer service</div>
Customer Feeling What is the customer feeling? <i>Tip: Use the emoji app to express more emotions</i>					
Backstage					
Opportunities What could we improve or introduce?	<div data-bbox="369 1056 675 1135">Provide a clear overview of what lim-it is and how it can help the user</div>	<div data-bbox="777 1056 1070 1156">Inform user about the benefits of Lim-it. Show transparency in what is done with the data</div>	<div data-bbox="1172 1056 1465 1156">Create an easy onboarding in the app, make the set-up very simple/minimal effort.</div> <div data-bbox="1528 1035 1617 1156"></div>	<div data-bbox="1732 1056 2025 1135">Improve the reflection. Find strategies on how to keep people engaged</div>	<div data-bbox="2153 1056 2446 1120">Ensure a good customer service</div>
Process ownership Who is in the lead on this?	<div data-bbox="471 1249 573 1356">Communication/marketing /UX designer</div>	<div data-bbox="879 1249 980 1356">Data analyst</div>	<div data-bbox="1350 1249 1452 1356">UX designer</div>	<div data-bbox="1821 1249 1923 1356">UX Designer</div>	<div data-bbox="2242 1249 2344 1356">Marketing</div>

CJM Buyer

- The Customer Journey Map for the user (hospitals)
- Central question: How to approach and sell Lim-It?
- Conclusion: Challenge is to get in touch and to maintain loyalty overtime.

Journey Steps Which step of the experience are you describing?	Awareness First contact with product/service	Consideration Communication USP's	Purchase Where to buy	Retention Delivery	Loyalty Long-term relations
Actions What does the customer do? What information do they look for? What is their context?	<div data-bbox="453 239 614 344">Information on Lim-it is received via sales-reps. The management is informed about the benefits of Lim-it</div>	<div data-bbox="772 239 856 344">Considers if Lim-it is necessary (does the hospital struggle with burn-out?)</div> <div data-bbox="894 239 978 344">Research online for reviews of other hospitals</div> <div data-bbox="1016 239 1100 344">Consider the investment vs benefits</div>	<div data-bbox="1179 239 1263 344">Direct contact with Lim-it company</div> <div data-bbox="1302 239 1386 344">Meeting with Lim-it</div> <div data-bbox="1424 239 1508 344">Decide on how many to buy</div> <div data-bbox="1546 239 1630 344">Contract with Lim-it company for the purchase</div>	<div data-bbox="1714 239 1798 344">The company will deliver to the hospital</div> <div data-bbox="1837 239 1921 344">The hospital will be kept updated on how the delivery is going</div> <div data-bbox="1959 239 2043 344">The company supports the hospital in delivering it to the customer</div>	<div data-bbox="2135 239 2219 344">Possibility to expand to other departments</div> <div data-bbox="2257 239 2341 344">If device breaks it is replaced</div> <div data-bbox="2379 239 2463 344">Customer service is accessible via platform</div>
Needs and Pains What does the customer want to achieve or avoid? <i>Tip: Reduce ambiguity, e.g. by using the first person narrator.</i>	<div data-bbox="422 451 512 558">Clear instruction on what Lim-it entails</div> <div data-bbox="550 451 639 558">Not be too overwhelmed with information</div>	<div data-bbox="772 451 856 558">Clear insight in benefits of product</div> <div data-bbox="894 451 978 558">Read reviews online. Discuss with co-workers</div> <div data-bbox="1016 451 1100 558">Could be seen as a large investment</div>	<div data-bbox="1179 451 1263 558">Accessible contact with company</div> <div data-bbox="1302 451 1386 558">Concern if it will help?</div> <div data-bbox="1424 451 1508 558">Clear insight in what they are buying + costs</div> <div data-bbox="1546 451 1630 558"></div>	<div data-bbox="1714 451 1798 558">Updates on delivery</div> <div data-bbox="1837 451 1921 558">Clarity on how it will be delivered</div> <div data-bbox="1959 451 2043 558">Help with handing out devices</div>	<div data-bbox="2135 451 2219 558">Information on costs for expanding</div> <div data-bbox="2257 451 2341 558">Quick service if device breaks</div> <div data-bbox="2379 451 2463 558">Quick response from customer service</div>
Touchpoint What part of the service do they interact with?	<div data-bbox="486 646 575 753">Sales-representative</div>	<div data-bbox="772 646 856 753">Website</div> <div data-bbox="894 646 978 753">Device</div> <div data-bbox="1016 646 1100 753">Google</div>	<div data-bbox="1238 646 1322 753">Device</div> <div data-bbox="1365 646 1449 753">App</div> <div data-bbox="1488 646 1572 753">Company</div>	<div data-bbox="1837 646 1921 753">Delivery service</div> <div data-bbox="1959 646 2043 753">customer service</div>	<div data-bbox="2193 646 2277 753">Platform</div> <div data-bbox="2321 646 2405 753">Customer service</div>
Customer Feeling What is the customer feeling? <i>Tip: Use the emoji app to express more emotions</i>					
Backstage					
Opportunities What could we improve or introduce?	<div data-bbox="384 1096 677 1175">Provide a clear overview of what lim-it is and how it can help the employees</div>	<div data-bbox="779 1096 1072 1196">Inform hospitals about the benefits of Lim-It. Show why the investment is worth it</div>	<div data-bbox="1174 1096 1467 1196">Have a convincing story on the costs and benefits. Have an expert on this in the company.</div> <div data-bbox="1536 1075 1625 1189"></div>	<div data-bbox="1735 1096 2028 1160">Come up with clear delivery strategy</div>	<div data-bbox="2155 1096 2448 1160">Ensure a good customer service</div>
Process ownership Who is in the lead on this?	<div data-bbox="486 1289 575 1396">Communication/marketing /UX designer</div>	<div data-bbox="894 1289 978 1396">Data analyst</div>	<div data-bbox="1365 1289 1449 1396">UX designer</div>	<div data-bbox="1837 1289 1921 1396">manager</div>	<div data-bbox="2257 1289 2346 1396">Marketing</div>

CJM User (after workshop sprint 2)

- The Customer Journey Map for the user (young doctors)
- Central question: How to motivate people for long-term use?
- Conclusion: Challenge is to keep showing the benefits of long-term use.

Journey Steps Which step of the experience are you describing?	Awareness First contact with product/service	Consideration Communication USP's	Purchase Action Where to buy Making the decision to use	Retention Delivery-Service after start wearing it	Loyalty Long-term relations	Longterm use Keep collecting data
Actions What does the customer do? What information do they look for? What is their context?	<ul style="list-style-type: none"> The user is asked to wear the lim-it on their uniform. Management tells them they want to help prevent burnout 	<ul style="list-style-type: none"> The user needs to know how the device works Needs to know how to keep it clean Understands why it is beneficial to register your mood throughout the day should I log my mood status? Explanation of functionalities of Lim-it Talk with colleagues 	<ul style="list-style-type: none"> Decides to try it for a day. Read the feedback Install the app, make an account start to log the mood few times a day Clip to uniform Discuss with colleagues how they experience it 	<ul style="list-style-type: none"> Interact in the app Reflect on data Read the FAQ in the app 	<ul style="list-style-type: none"> User delivers feedback for app If device breaks it is replaced Customer service is accessible via app Application update 	<ul style="list-style-type: none"> User has been collecting data over a longer period of time They want to see progress with their stress management skills
Needs and Pains What does the customer want to achieve or avoid? <i>Tip: Reduce ambiguity, e.g. by using the first person narrator.</i>	<ul style="list-style-type: none"> Wants to listen to management No clear idea what Lim-it is? Do other people also really use it? 	<ul style="list-style-type: none"> Find information on Lim-it on the company itself. Read reviews online. Discuss with co-workers No clear idea what happens with the gathered data 	<ul style="list-style-type: none"> Easy and fast onboarding in the app Time investment in setting up the device Easy attachment and syncing the device 	<ul style="list-style-type: none"> Good app onboarding and maintenance Guide reflection Well designed UI 	<ul style="list-style-type: none"> Room to make suggestions Quick service if device breaks Quick response from customer service 	<ul style="list-style-type: none"> Mood remains stable. Why should I keep using Lim-it? No burn-out help others get out of burnouts
Touchpoint What part of the service do they interact with?	<ul style="list-style-type: none"> Interaction is with the device Lim-it, not with the app. 	<ul style="list-style-type: none"> Website Device Google? 	<ul style="list-style-type: none"> Device App 	<ul style="list-style-type: none"> App 	<ul style="list-style-type: none"> App Customer service 	<ul style="list-style-type: none"> App Device
Customer Feeling What is the customer feeling? <i>Tip: Use the emoji app to express more emotions</i>	🙄	🤔	😊	😄	😌	😊
Backstage						
Opportunities What could we improve or introduce?	<ul style="list-style-type: none"> Provide a clear overview of what lim-it is and how it can help the user 	<ul style="list-style-type: none"> Inform user about the benefits of Lim-It. Show transparency in what is done with the data 	<ul style="list-style-type: none"> Create an easy onboarding in the app, make the set-up very simple/minimal effort. 	<ul style="list-style-type: none"> Improve the reflection. Find strategies on how to keep people engaged 	<ul style="list-style-type: none"> Ensure a good customer service 	<ul style="list-style-type: none"> Come up with why registering mood should always be done and not only when you are at risk.
Process ownership Who is in the lead on this?	<ul style="list-style-type: none"> Communication/marketing /UX designer 	<ul style="list-style-type: none"> Data analyst 	<ul style="list-style-type: none"> UX designer 	<ul style="list-style-type: none"> UX Designer 	<ul style="list-style-type: none"> Marketing 	<ul style="list-style-type: none"> UX Designer

COM-B model - User

Capability	Opportunity	Motivation
Psychological	Physical	Reflective
Don't notice their own symptoms	No tangible help	Put others first Their issues impact the team
Physical	Social	Automatic
No self-care & external support	No consistency Don't show feelings in public	They continue working while being annoyed.

COM-B model - Buyer

Capability	Opportunity	Motivation
Psychological	Physical	Reflective
Don't know that preventing burn-out can lower costs educate through sales representative and promotion	Don't have the resources to help Enablement	Reduce burn-out costs Modelling
Physical	Social	Automatic
No tools Enablement	Mental health is important Environmental restructuring	money - turn over rate. Incentivization

Workshop learnings (sprint 2)

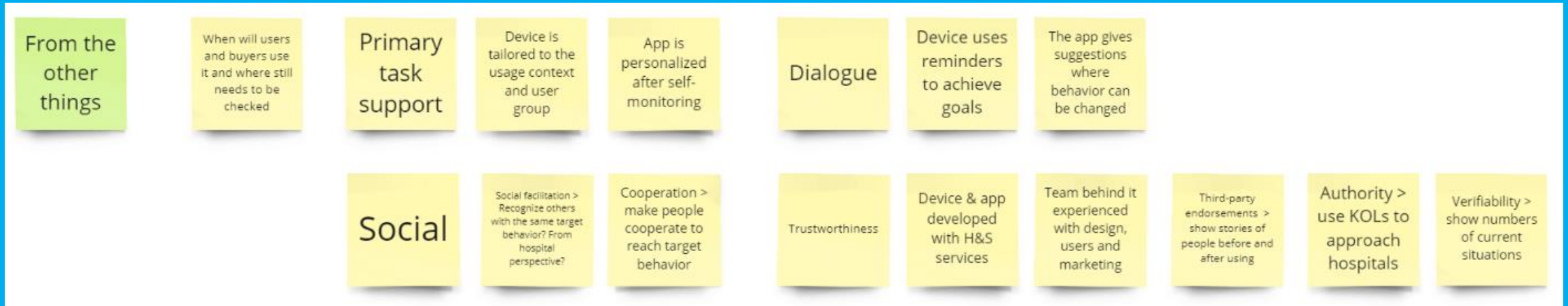
From CJM user

- The hospital needs support from us with explaining why and how to use Lim-It
- Device is used during working hours, but the app afterwards
- Users will probably discuss it with colleagues
- Can we support them in the community feeling?
- Do they even want community feeling?

From CJM buyer

- Managers need to be involved in the process of implementing Lim-It with support from us
- Hospital needs to take moment to reflect on if it is helping after a few months
- How will they support the reflection part of the app?

Workshop learnings



Workshop learnings

Behavior weel

Education > when they get Lim-It, they get an information folder on the why, what, how

Education > hospital get information folder how to support employees in using app and reflecting

Training > workshop for employees to reflect and practice with app and device

Training > managers how to support employees with Lim-It

Environmental restructuring > Posters in hospitals

Changing culture by letting everyone wear Lim-It and open the conversation about mental health

Service provision > deliver community & app

Communication/ marketing > Via media campaigns targeted to hospitals

Communication/ marketing > Use posters in hospitals with Lim-It explanation

Guidelines how to use Lim-It as employee and as hospital

Modelling > For future, when already having a trial hospital, show how great that is going

Enablement > reduce barrier to track mood

Problem-Solution Fit canvas

Purpose / Vision

Version:

Define CS, fit into CL

1. CUSTOMER SEGMENT(S) CS

Who is your customer?
eg. working parents of 0-5 y.o. kids

Dutch hospitals

→

Hospital boards

→

69 hospital organizations

(Merco et al., 2021) (Ziekenhuisgroep Aanhoud | Instellingen, 2023)

Explore AS, differentiate

Focus on PR, tap into BE, understand RC

2. PROBLEMS / PAINS + ITS FREQUENCY PR

Which problem do you solve for your customer?
There could be more than one, explore different sides, eg. existing solar solutions

Young doctors (user) considered a good investment (1).

Doctors in training: 44% experience a high work pressure, 30% is unsatisfied with work-life balance, 54% can almost never take a break without spending their breaks on work related tasks. (Korsten et al., 2022)

24% has burn-out symptoms in 2 years from 14% to 24% while work circumstances do not change. (Korsten et al., 2022)

Hospitals do not know how to solve burn-out problems among health care givers. (Moss, 2021)

Burn-out symptoms over the years (Korsten et al., 2022)

Work-life balance is mentioned (41%) as cause for burn-out symptoms (Korsten et al., 2022)

Hospital

95% of the costs made for burn-out in hospitals are made by the occupational health and safety services. (Overgansheid En Burn-out | Zorggigaren, 2022)

Sick leave is increased by burn-out. Sick leave has a large price tag for employers. (Moss, 2021)

Focus on PR, tap into BE, understand RC

Identify strong TR & EM

3. TRIGGERS TO ACT TR

What triggers your customer to act?
eg. relationship between burnout and quality of healthcare

With burnout symptoms, more medical errors (Van Dievoort, 2015)

Relationship between burnout and quality of healthcare (Korsten et al., 2022)

Domino effect of burnouts among employees (Korsten et al., 2022)

Risk that patient care will become worse. (Korsten et al., 2022)

€277,9 million (Overgansheid En Burn-out | Zorggigaren, 2022)

collective bargaining agreement - when unable to work due to health issues, the hospitals need to pay for 104 weeks 70% of the salary. (Nederlandse Vereniging van Ziekenhuizen, 2021)

Needing to pay for the burnouts (Nederlandse Vereniging van Ziekenhuizen, 2021)

Extract online & offline CH of BE

Focus on PR, tap into BE, understand RC

9. PROBLEM ROOT / CAUSE RC

What is the root of every problem from the list?
eg. People think that solar panels are bad investment right now, because they are too expensive (1.1), and possible changes to the law might influence the return of investment with the benefits (1.2).

Employee shortage (Ministerie van Volksgezondheid, Welzijn en Sport, 2022)

No time or guidance for reflection to prevent burn-out (Van der Toorn, 2023)

Bad work-life balance (Korsten et al., 2022)

Hospital
Hospitals do not know how to help employees (Moss, 2021)

Extract online & offline CH of BE

Identify strong TR & EM

4. EMOTIONS BEFORE / AFTER EM

Which emotions do you feel before/after this problem is solved?
Use it in your communication, eg. frustration, block (it) smart, be an example for others (made a success)

Before:
Lost because there are no good solutions

After:
Secure because they have a way to solve the problem

Extract online & offline CH of BE

Focus on PR, tap into BE, understand RC

10. YOUR SOLUTION SL

If you are working on existing business - write down existing solution first, fill in the canvas and check how much does it fit reality.

If you are working on a new business proposition then keep it blank until you fill in the canvas and come up with a solution that fits within customer limitations, solves a problem and matches customer behaviour

Show why trackign your behaviour is important in preventing burnout

Guide personal reflection

focus on preventing burn-out to reduce turnover rate and health care costs.

Extract online & offline CH of BE

Focus on PR, tap into BE, understand RC

8. CHANNELS of BEHAVIOR CH

ONLINE
Extract channels from Behavior block

In the news

Extract online & offline CH of BE

Focus on PR, tap into BE, understand RC

OFFLINE
Extract channels from Behavior block and use for customer development

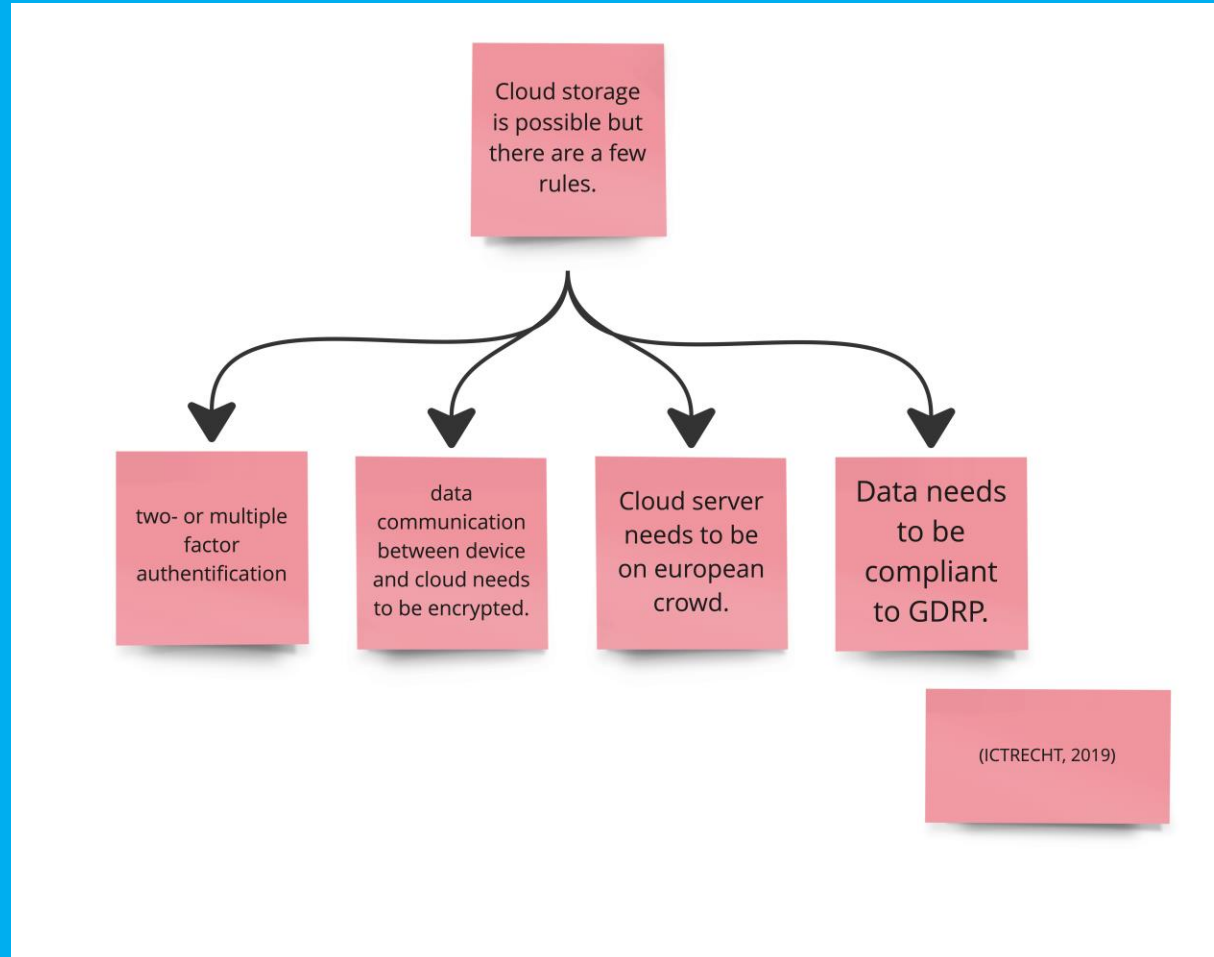
On the work floor

At home

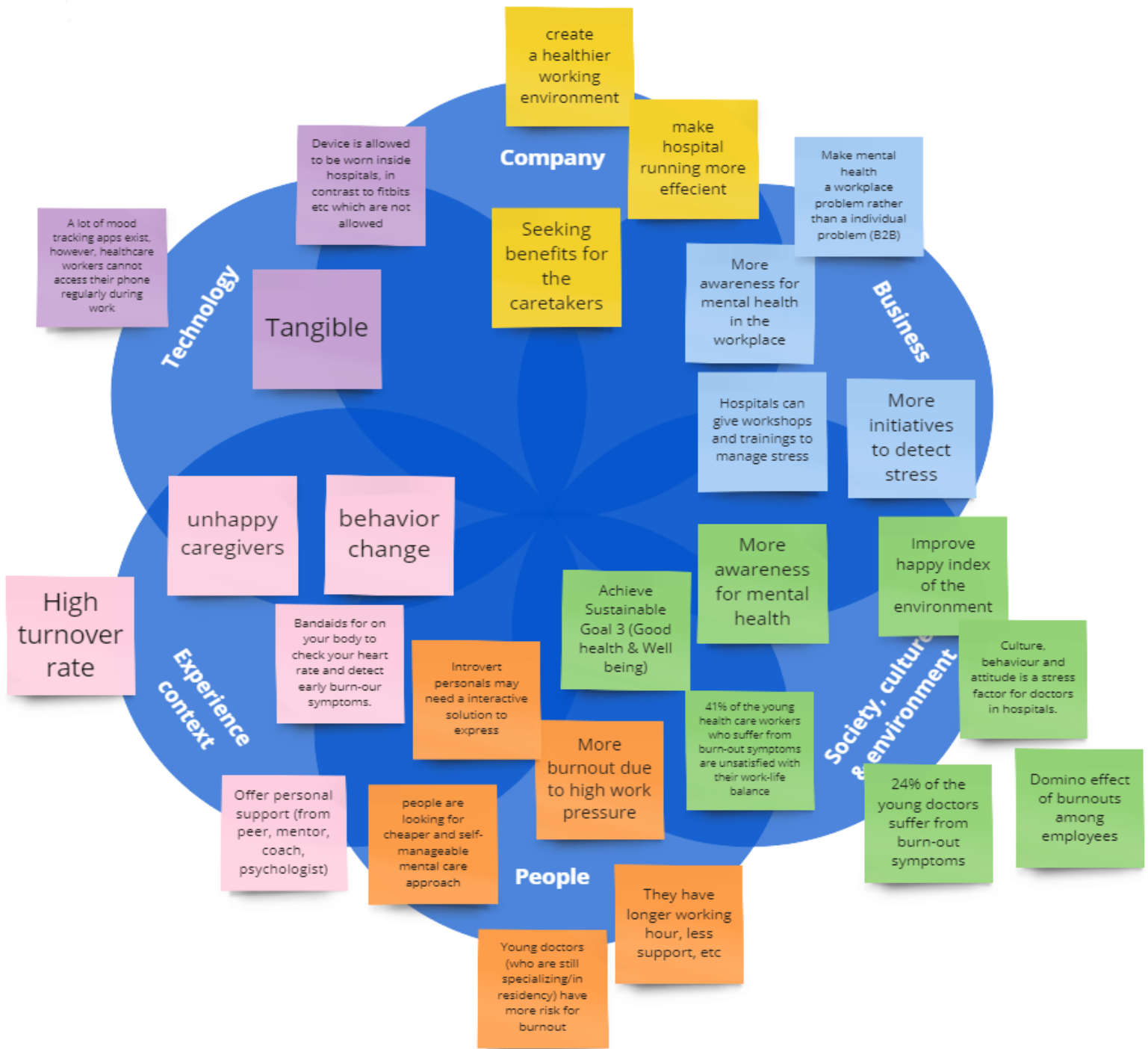
Extract online & offline CH of BE

Problem-fit Canvas

Data requirements



Business Value Proposition



Planning

	Week 4		Week 5		Week 6		Week 7		
	By Tuesday	By Thursday	Tuesday	Thursday	Tuesday	Thursday	Tuesday	Thursday	
Design & Prototype		Revised Design Finish Week 4 Study Modules	Updated Prototype	PRESENTATION & FEEDBACK (PRODUCT PITCHING)		Design Revision (if Needed) Finish Week 6 Study Modules	Final Product Prototype	Final Presentation Slides & Pitch Preparation	
User Research		Customer Journey Mapping Business Ethics Research on Environmental Sustainability & social responsibility	Service Blue Print Coaching Meeting 13:00 to 13.30					Coaching Meeting 13:00 to 13.30	FINAL PRESENTATION & FEEDBACK (PRODUCT PITCHING)
Market Research	Target group	Stakeholder Benefits Voice of Health & Safety Service							
Finance & Costing		Finalise Subsidies						Product Costing	

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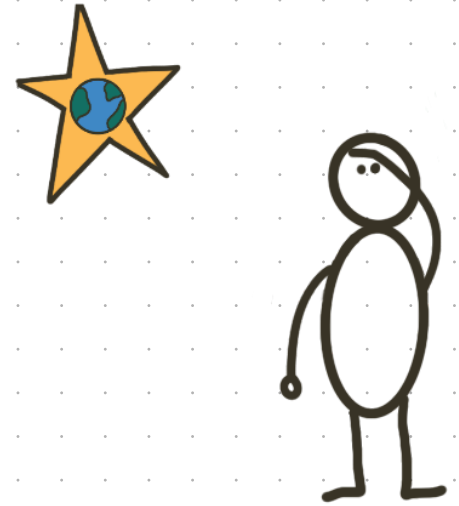
Reflection Design Entrepreneurship

Design Entrepreneurship - Vere Vreeswijk - 1314246

This course has helped me to develop on an intellectual, personal, and professional level. I worked on the Lim-It challenge as a UX/UI designer in the course.

From hypothesis to market-fit

A project's business or entrepreneurial side never had my priority in projects. However, throughout this course, I developed my business and entrepreneurship perspective and how this perspective can enrich the design process. Due to this development, I am more motivated and skilled to implement business-related strategies in my project. For example, my focus on climate change always feels like my north star is to 'save' the world, which is a highly unrealistic north star for one individual designer. In this case, the business growth map already helped me define a realistic north star. Besides the business growth map, other tools also provided me with new approaches for the design process, which I will use during my preparation for FMP and FMP.



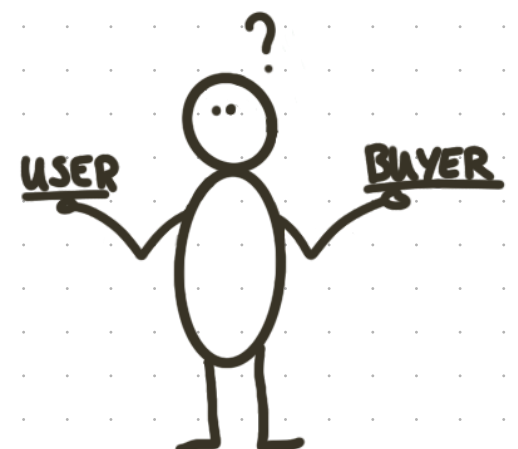
Business-related skills

In addition, I have strengthened my entrepreneurial skills in funding as I took the lead in those topics. I went from a foundation to an intermediate level, which is a good starting point for future development. Reflecting on this development, I realized that I am passionate about something other than funding and instead focus my energy on creating a good user experience or keeping the overview of the process. So, even though I have developed myself in this skill, I will not prioritize further development. I now have expertise in multiple strategies for getting funding. Still, in future projects, I would like to collaborate with funding experts to keep my focus on other aspects of the project.



My role as UX/UI designer

I built upon my skills as a UX/UI designer because I used to work on an existing product already in the market, and this course focused on developing a product for the market. Thinking of product-market fit in the development phase showed me that it is vital to alter your product to two perspectives: the needs of the user and the market. It was interesting to view one product from two perspectives, especially in our case, where we asked hospitals to pay for a product their employees will use. From this, I have learned the importance of evaluating multiple business perspectives of a product to ensure that the product is not only a problem-fit for the user but also a market-fit to have buyers for your product.



One of my goals for the UX/UI designer role was to gain insight into what type of UX/UI designer I would like to become. Reflecting on this, I do not want to be one specific UX/UI designer because I enjoy working on an

early-stage product as much as an advanced one. Besides, I value combining literature and reports with data from questionnaires and interviews. Both user research methods strengthen each other and give other insights into the problem. The role felt like a natural fit, challenged me and showed me new perspectives, which led me to think that UX/UI design is a potential career opportunity.



Task management

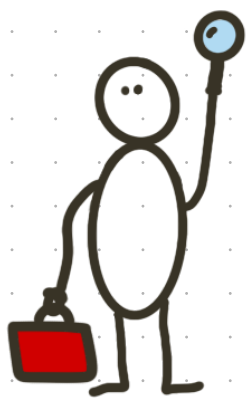
My last goal was to only help my team members with their tasks instead of taking over to allow them to develop themselves and for me to not overwork myself. This goal proved to be my most significant challenge throughout the course. Our group had people

with different backgrounds, resulting in different expertise and entry levels in this course. The collaboration was often difficult for me as I felt like I was educating my team rather than learning something myself. This disbalance resulted in a lower motivation for the course as I did not feel as intellectually challenged as I wanted to be. For my future collaborations, I want to continue developing myself in how I can facilitate and support the learning curve of others (if needed) while still ensuring that I will be challenged. One crucial step in this could be to take time at the start of a collaboration to establish everyone's level of knowledge, discuss what we want to get out of the course, and how to support each other. Especially as a potential UX/UI designer who is responsible for guiding the team through a design process, it is necessary to create a healthy balance for myself.

On a positive note, looking at previous courses, I have developed myself in not taking over someone's tasks when I thought I could do them better. I noticed this as I could provide feedback on a professional level to my team members throughout the course rather than jumping in the gaps and getting frustrated while doing so. Besides, I can reflect that we were not the star team of this course but that the members of our group have learned a lot from the course. Ultimately, we are here to learn, so developing ourselves as individuals and as a team is more valuable than giving the best pitch. In future educational projects, I will keep this mindset present so I can worry less about the outcome and focus more on the learning curve.

Professional identity and vision

Lastly, the course contributed to my professional identity and vision development by enriching my entrepreneurial attitude in my design process and providing the necessary tools. As a designer, I highly value knowing many techniques and tools to select appropriate methods for my design challenges. Besides, this course made me curious to explore entrepreneurship in the context of climate change and behaviour change and how projects for societal impact can become market-fit. My development in this course will help me to put my vision from hypotheses to practice, which is what I wanted to get out of this course.



In conclusion, this course was beneficial for my development as a professional, a person, a UX/UI designer, a team member and as a designer in general.

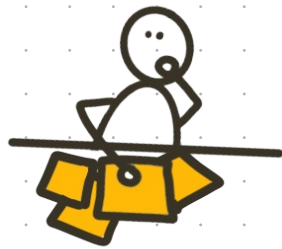
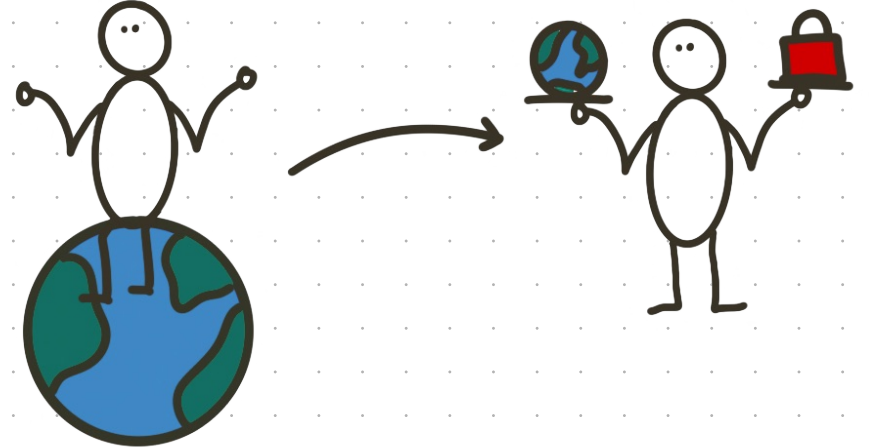
Personal Development Plan

Design Entrepreneurship – Vere Vreeswijk

1

From hypotheses to market-fit

As a designer, I have been focussing on how I can impact climate change with my designs. The impact I was aiming to make was on a societal level rather than considering the economic side of my project. In most of my projects, business plans often come last and are only focused on if time allows. However, for my second year in the master's, I have chosen to do the 'preparation FMP' project to add more depth to my FMP. I have decided to follow this course to add an entrepreneurial perspective to my FMP. My first goal for this course is to learn methods and tools to help me generate a value proposition and business model for designs that aim to alleviate the negative consequences of climate change. This would allow me to take my designs from a hypothetical stage to a market-fit product.



3

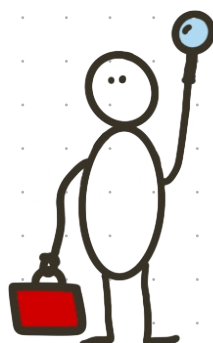
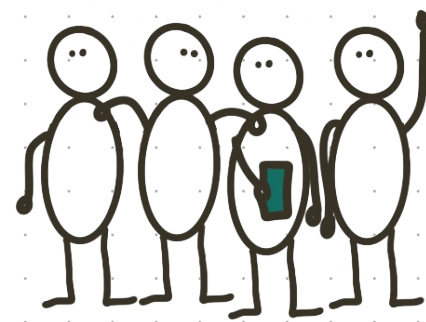
Task management

In teamwork, I tend to take over someone's task if they struggle to manage it, specifically if I think I can do it faster. This was also reflected in the Belbin test. I am aware that this is not good for me as I take on unnecessary extra tasks, but it also takes the learning opportunity away from others. Therefore, I challenge myself in this course to only help my team members with their tasks rather than taking them on myself. Developing in this will prepare me for my future career where it is also impossible to do the work of others and hopefully will also teach me to trust my team members in their capabilities.

2

Business-related skills

The EntreComp self-assessment showed me that I mainly score high on soft skills, such as planning and leading a team. However, I still need a better understanding of risk analysis, budgeting, and funding. This will make me a more well-rounded designer and is a valuable asset in understanding how businesses function. I will actively engage with these topics throughout the course challenge to better understand these business-related skills. At the end of the course, I want to have a strong foundation of these skills to evaluate if these are skills I should develop further.



4

Senior UX/UI designer

The role is closely related to my past developments but also challenges me to develop myself further. In a previous course, I learned several methodologies related to UX design. Besides, I have worked as a junior UI/UX designer. In the course, I want to focus on the product's business side as a UX/UI designer and learn to combine market elements with UX/UI design. This course and role allow me to exercise and use what I have learned in an actual project. Adding an entrepreneurial perspective to UX/UI design can help me reflect on what kind of UX/UI designer I want to become.