

HealthLace Team Rocket

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Introduction

Target Users: Office workers

Monitor work-health attitude

Help to PREVENT health issues

Personas



Manfred Mechel

Name	Manfred Mechel
Age	52
Occupation	Tax consultant,
Lifestyle	Married, 2 Children, Head of own company
Tech usage	Computer, Smartphone but without advanced knowledge (except special software)
Health	Overweight, Back Pain
Interests	Collects old-timers



Florian Lüth

Name	Florian Lüth
Age	31
Occupation	Programmer at Small Software Company
Lifestyle	Single, Medium income, no sport
Tech usage	Advanced Computer and Smartphone knowledge, interested in additional gadgets
Health	Stress, Smoking
Interests	Cars



Elisa Pfeifer

Name	Elisa Pfeifer
Age	28
Occupation	Marketing Assistant
Lifestyle	Relationship,
Tech usage	Interested in Photography, Computer and Smartphone (Social Media)
Health	Jogging
Interests	Photography, Sport

[Video]

Video conclusion

Helps to sit straight

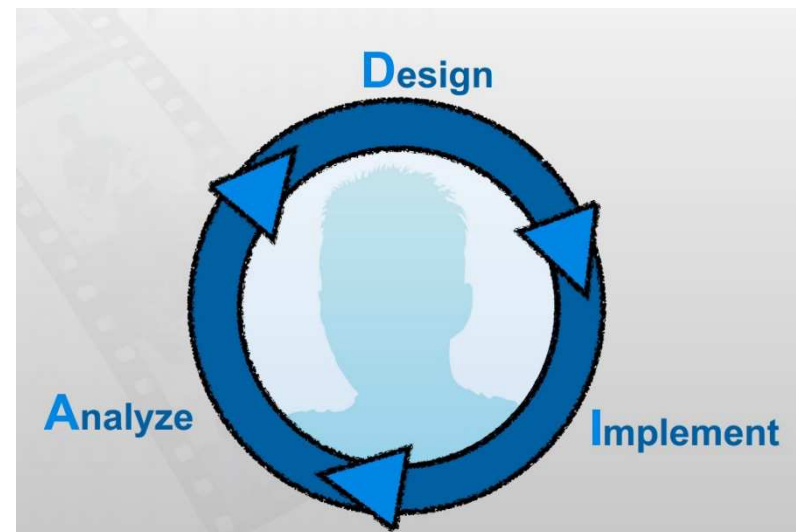
Helps to take breaks

-> Improves health!

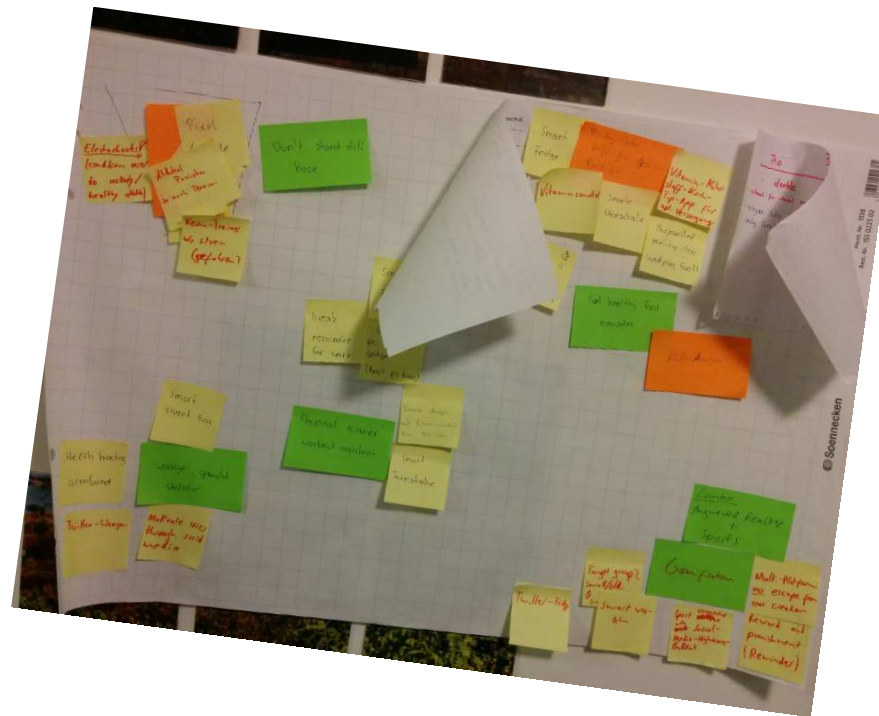
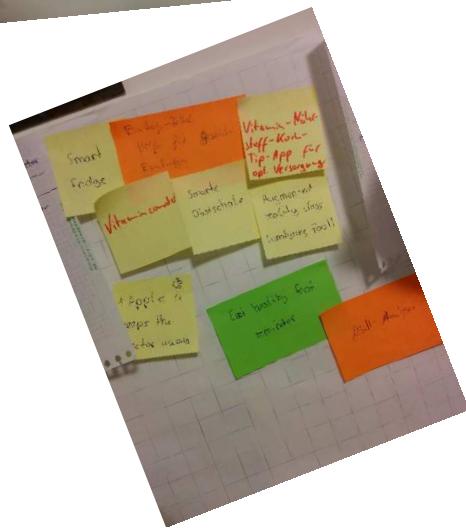
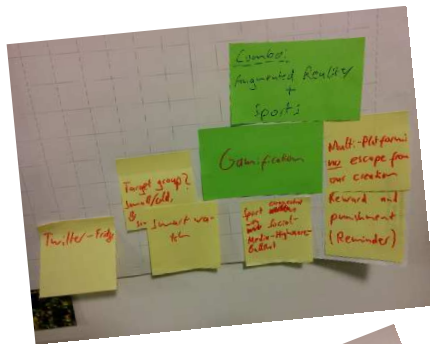
DIA Cycle

Started with analysing:

Gather ideas!



Iteration 0



Iteration 0

Breaks : Jo breaks because it is unhealthy to sit and look at monitors	
Pro	Con
<ul style="list-style-type: none">- Relevant for everybody- People often forget breaks- Possible in every working situation	<ul style="list-style-type: none">- Conditioning / Interrupts can just be ignored- Wie motiviert man Leute damit- Was bei Deadlines?

Iteration 1: Analyse

User acceptance / low visibility

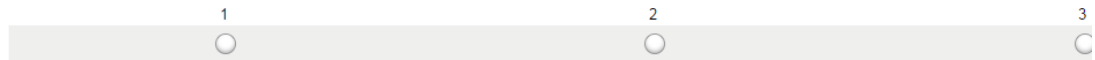
Necklace! (Wearable)

Evaluation

1. What kind of job do you do?

2. How big is your workload in your current employment? 1 means not high, 5 means very high

1 2 3



3. How flexible considering the taking of breaks and working hours is your job?

- Not flexible at all
- Somewhat flexible
- Fully flexible

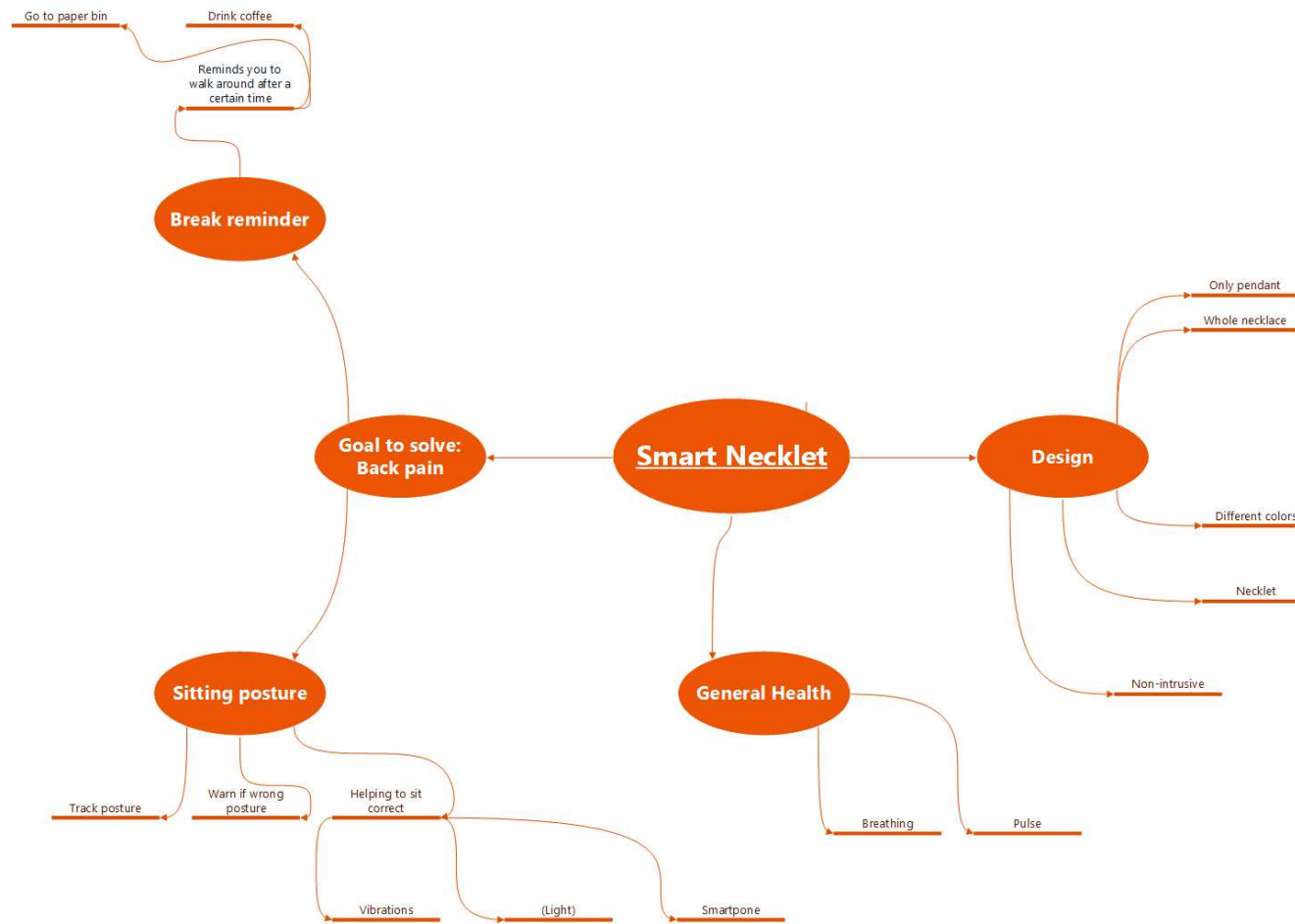
4. How do you spend your breaks?

5. How do you remember to take the breaks?

Iteration 1



Iteration 1



Iteration 2: Analyse

Interface (from EVA):

- No interface on device
- Phone Interface

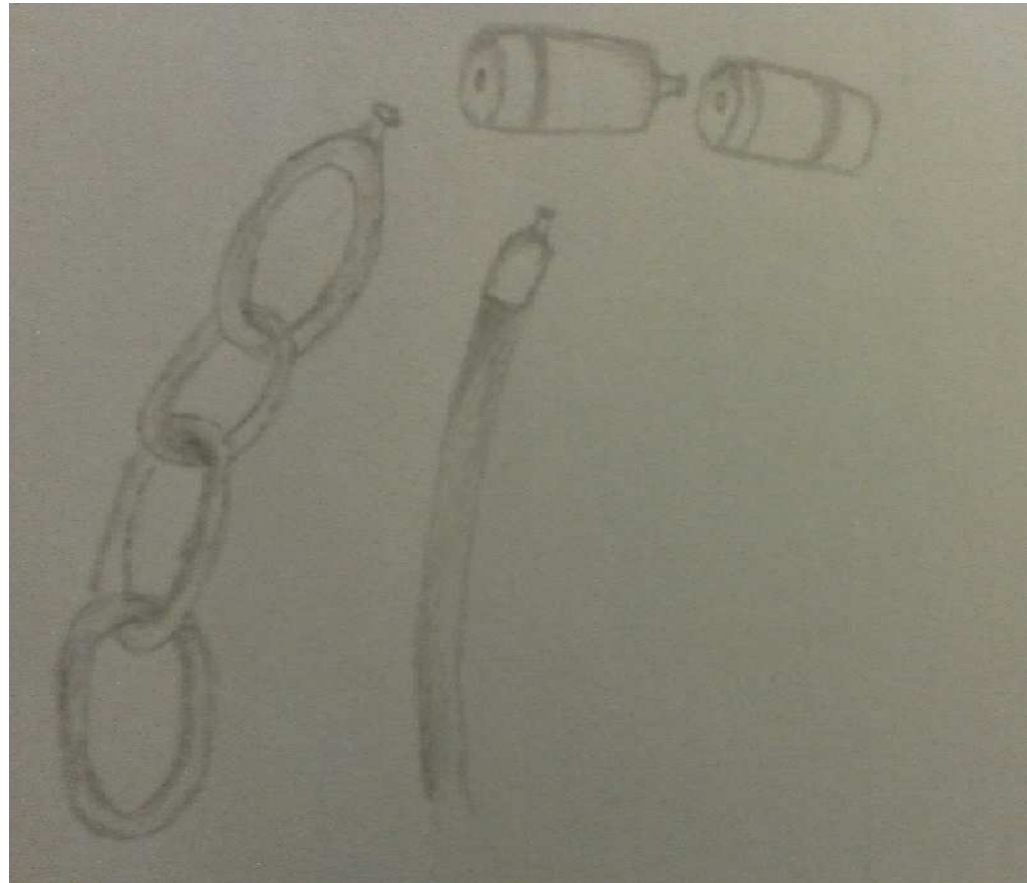
Iteration 2: Design

Goals:

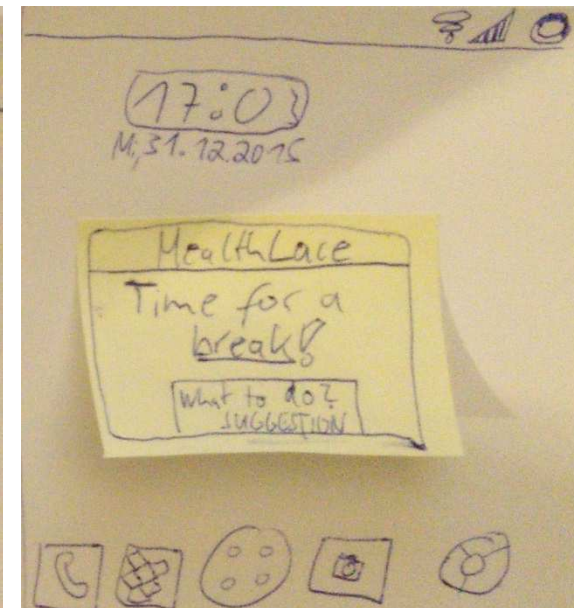
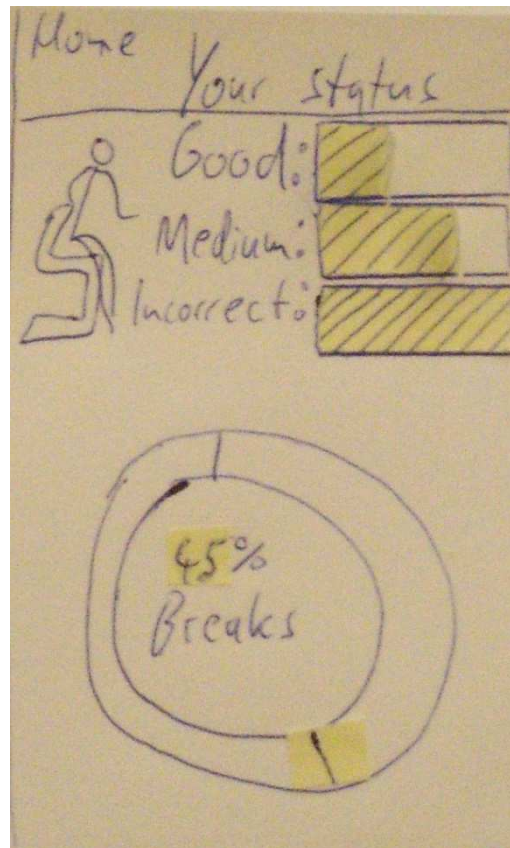
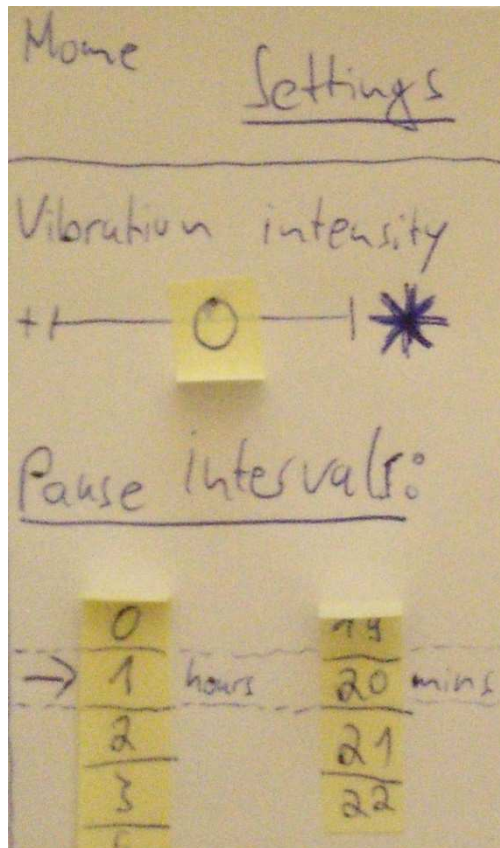
Usability

Intuitive

Feedback



Iteration 2: Design / Implementation



Final Iteration: Analysis

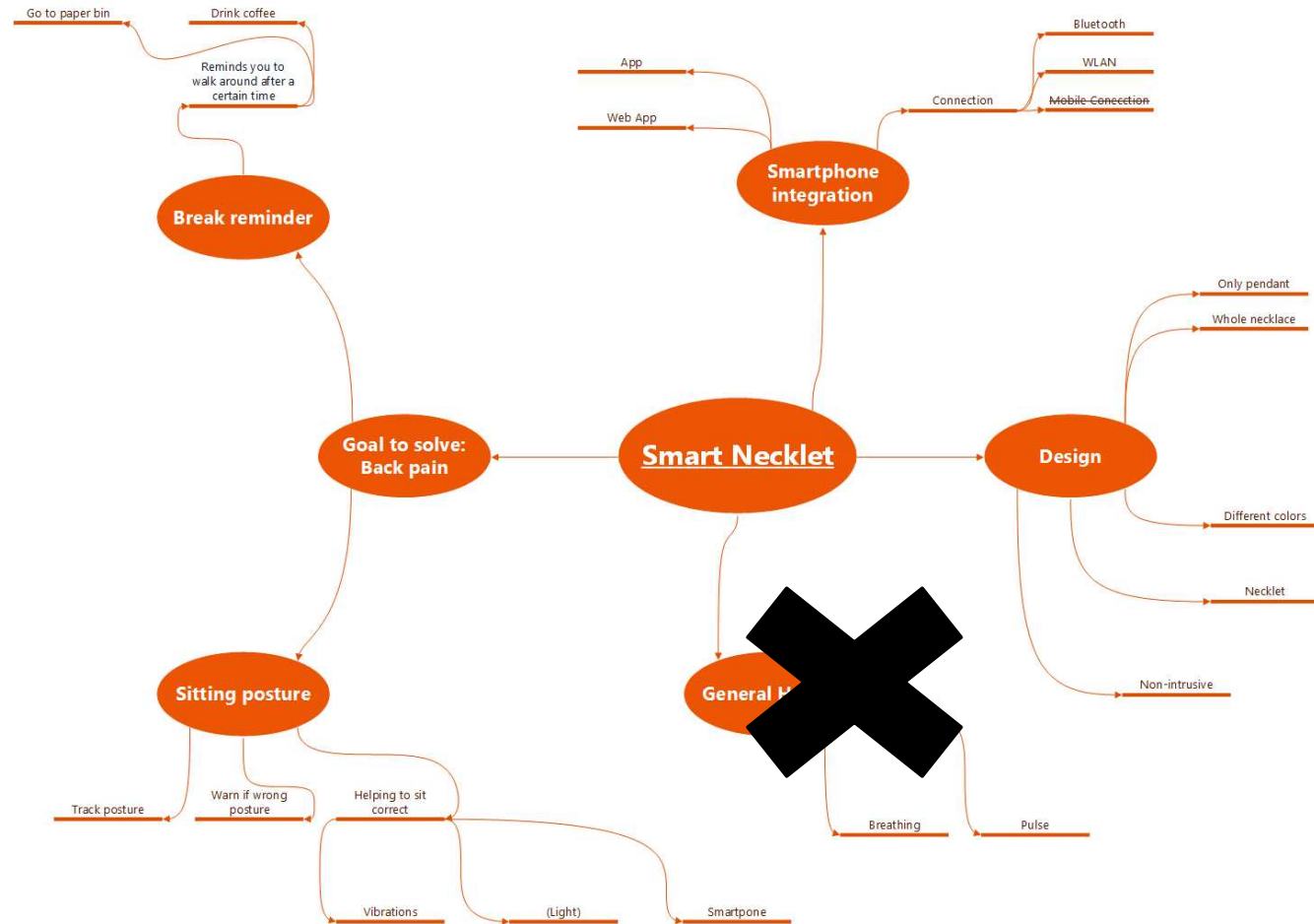
Modularity

Advices

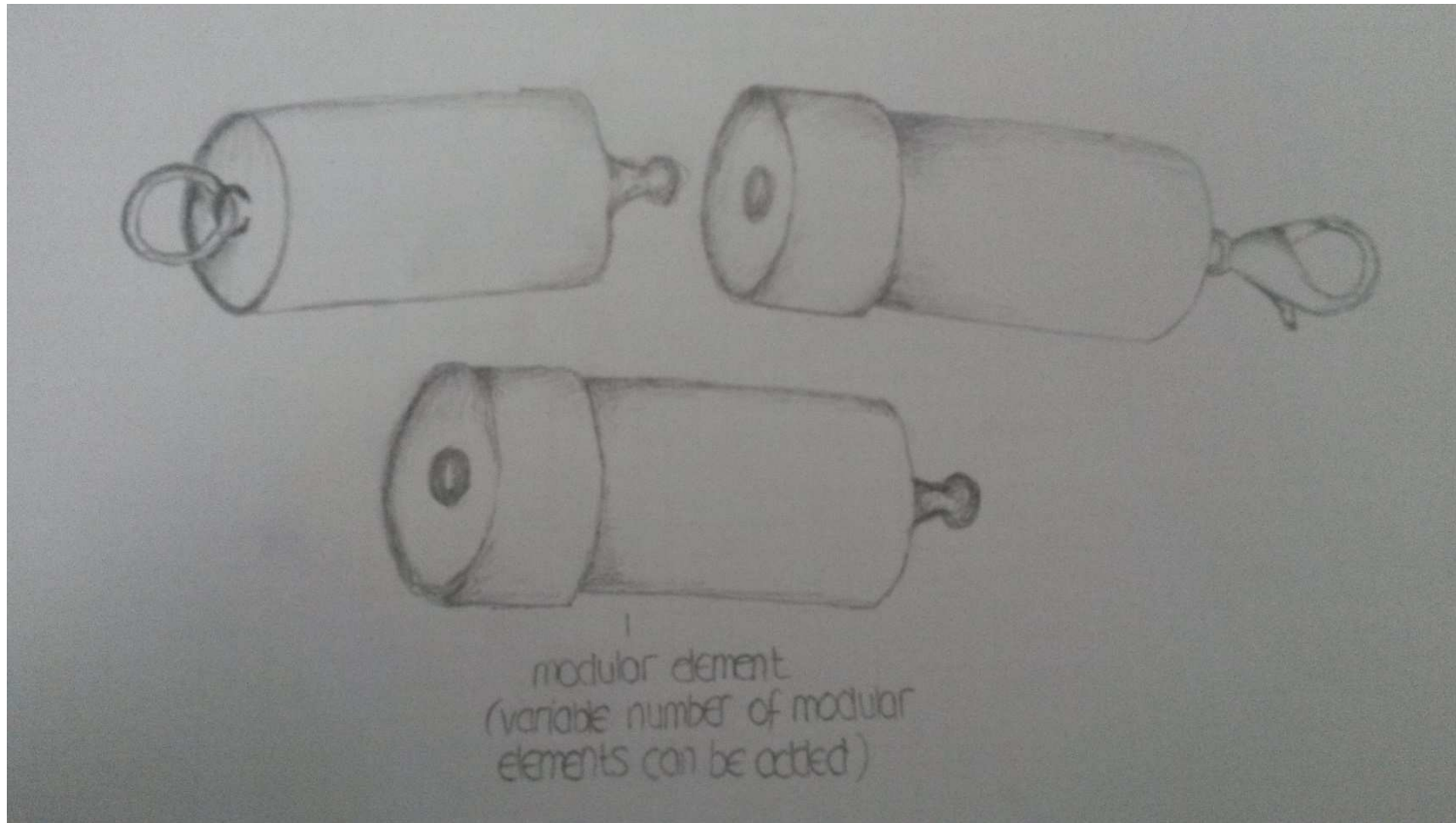
Small adjustments

Final Iteration: Analysis

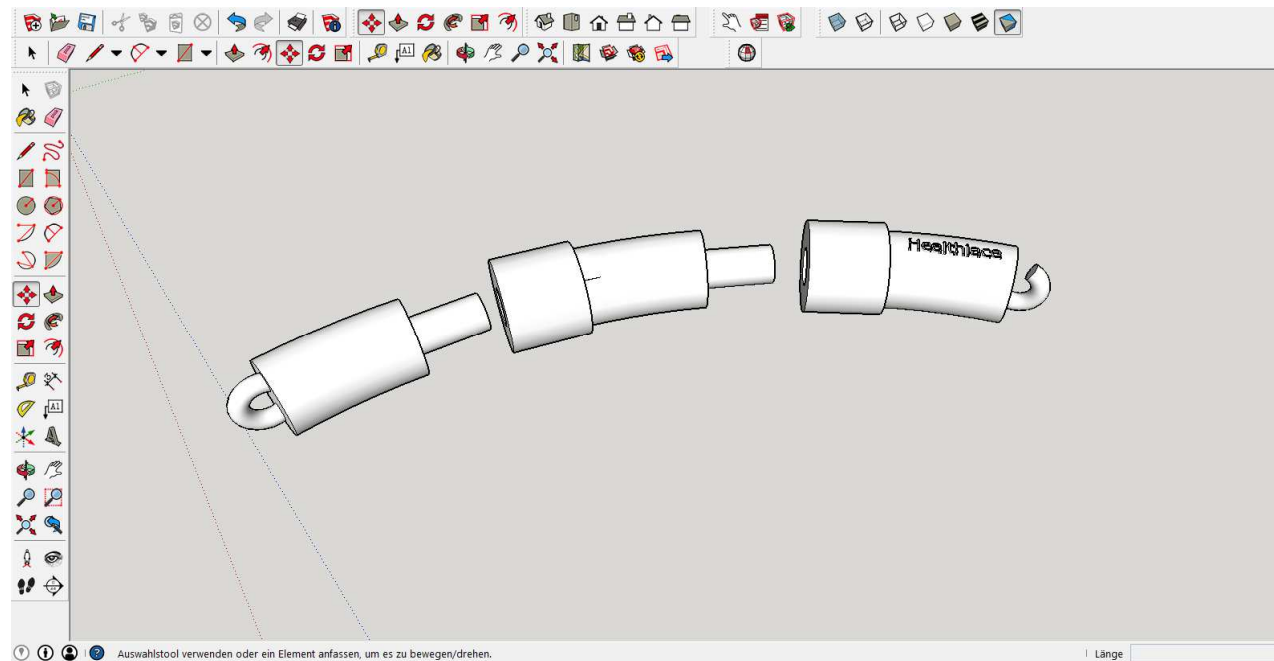
Focus on
core
features



Final Iteration: Design



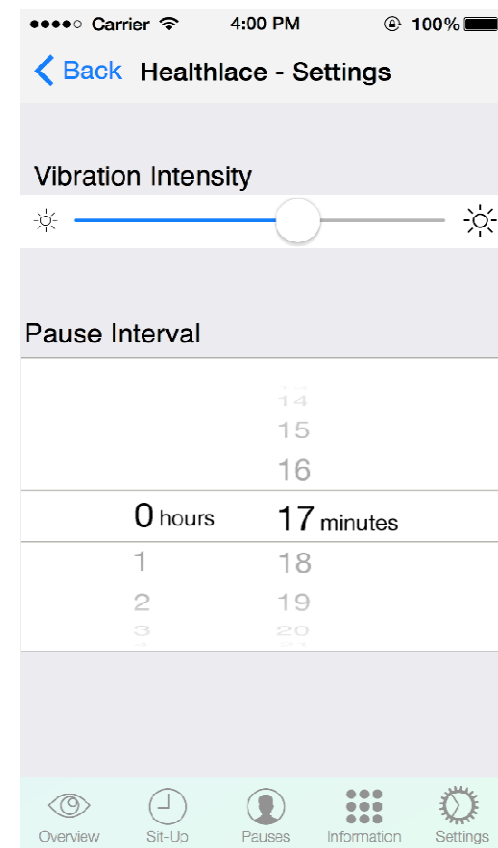
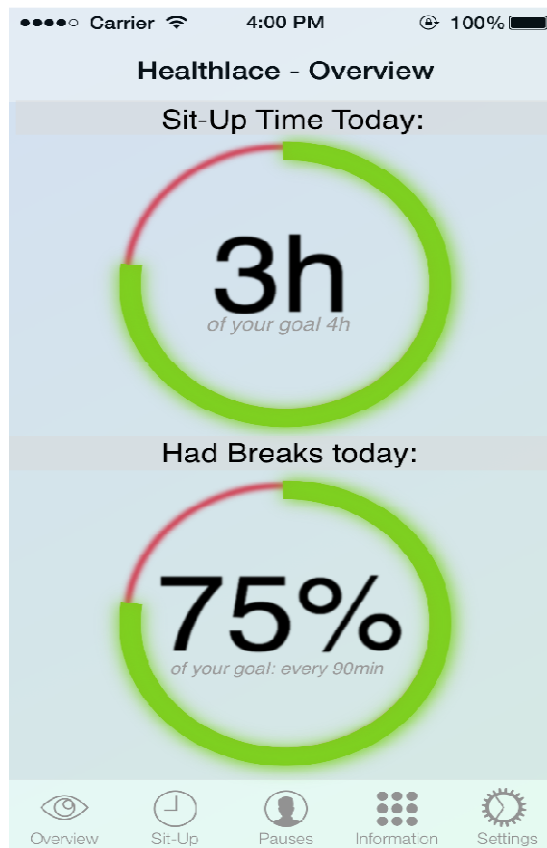
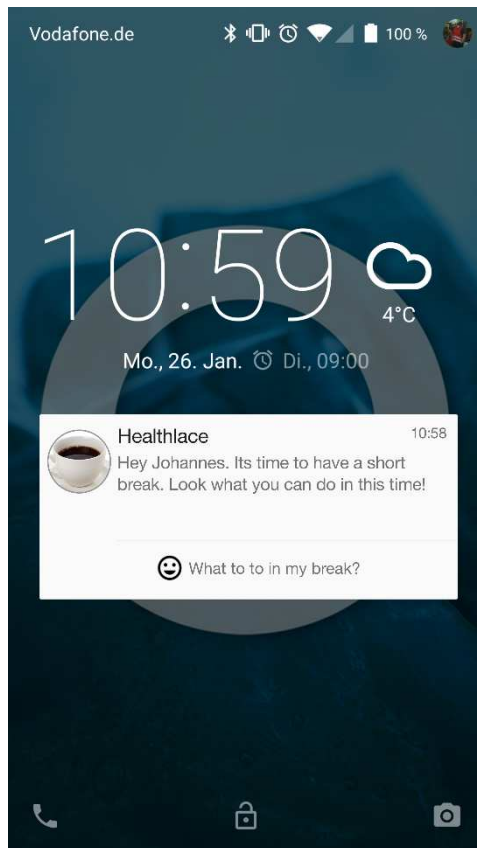
Final Iteration: Implementation



Final Iteration: Implementation



Final Iteration: Implementation



Conclusion

Connection



Functions:

1. Send collected data via Bluetooth to Smartphone
2. Pair with Smartphone via NFC, QR-Code

Sensors



Functions:

1. Measure the users sitting posture

Easy to use



Functions:

1. The device turns in when you close the necklace
2. Short vibration feedback indicates if the necklace is turned on

Vibrations



Functions:

1. Continuous smooth vibrations if bad sitting posture
2. Short vibration pattern if a break is recommended

Chargeing



Functions:

1. Charging via modern wireless chargeing technology