

# Design Thinking

Task 01 - Team Green

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# **SCOPING**

# AUFGABE

- Ambulant patient
- With depression
- Webapp

# DEPRESSION

- Episodes longer than 2 weeks
- Symptoms
  - ▶ Loss of interest
  - ▶ Loss of confidence
  - ▶ Pain
  - ▶ Suicide
- Treatment
  - ▶ Anti-Depressants
  - ▶ Cognitive Behavioral Therapy (CBT)
  - ▶ InterPersonal Psychotherapy (IPT)

# RESEARCH

- Interview with a Professor of Psychiatry by Helsana Health Insurance
- Interviews with healthcare professionals (2x)
- Wikipedia Articles on
  - ▶ Major Depressive Disorder
  - ▶ Management of Depression

# **SYNTHESIZE**

# PERSONA: MALLORIE PICCONIE (24)



- Job: Cyber Security Expert
- CivStat: Single
- Residence: Bern
- Hobbies: Hackathons, Reddit
- Medical History: Since Childhood, Unipolar, Moderate impact on life

# PERSONA: BOB BAIRNS (50)



- Job: Banker (Previously)
- CivStat: Married (2x), 1 child
- Residence: Zürich
- Hobbies: Golf, Poker, Family
- Medical History: Since 6 months, Unipolar,  
Heavy impact on life

# FEATURES

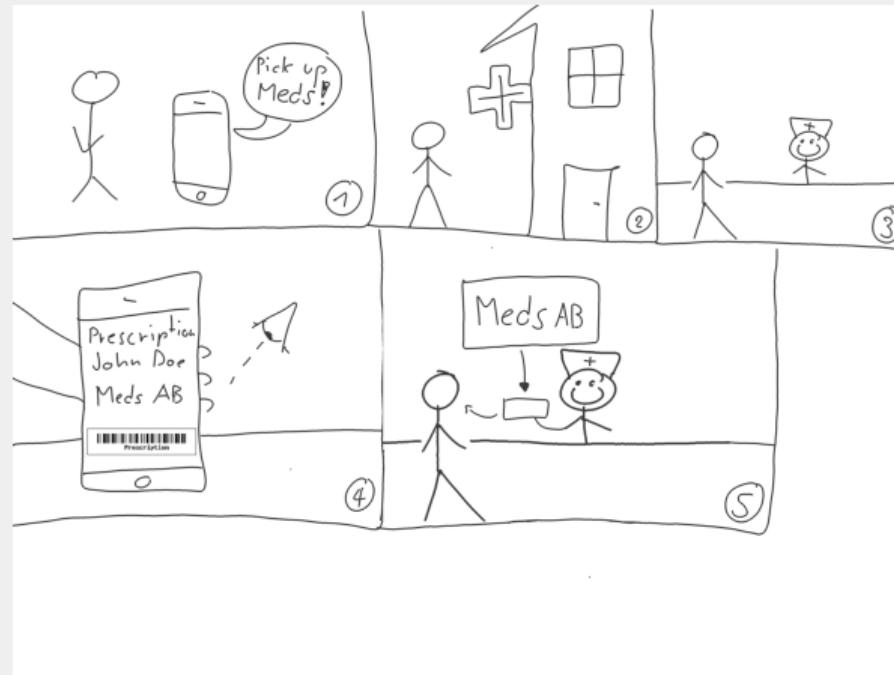
- Medication Reminders
  - ▶ Tick off ingested medication
- Picking up Prescriptions
- Mood Diary
  - ▶ *Questions to quantify Mood*
- Financial Information (Insurance)
- Communication
  - ▶ Emergency Numbers
  - ▶ Suicide Hotline
  - ▶ with doctor
- Document sharing
- Appointments
- Information Page
- Communication
  - ▶ with other patients (self help)

# DESIGN

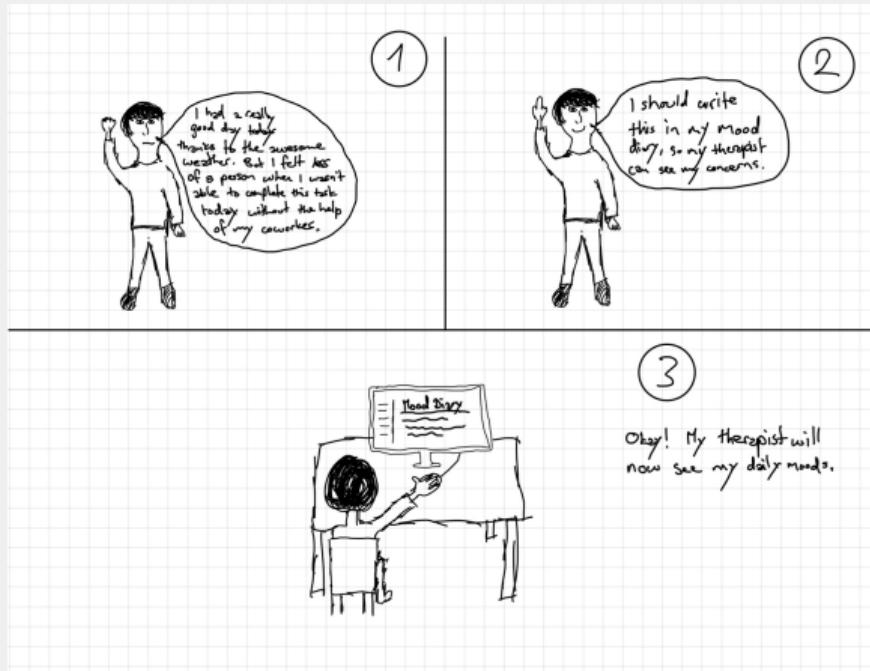
# MEDICATION REMINDER



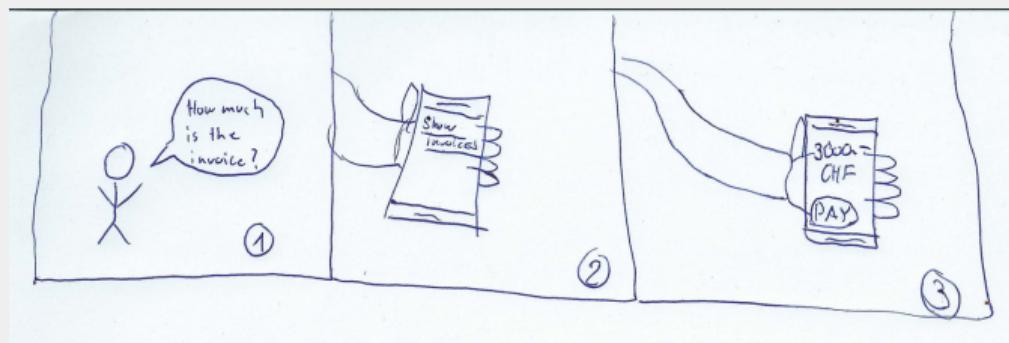
# PICK UP PRESCRIPTION



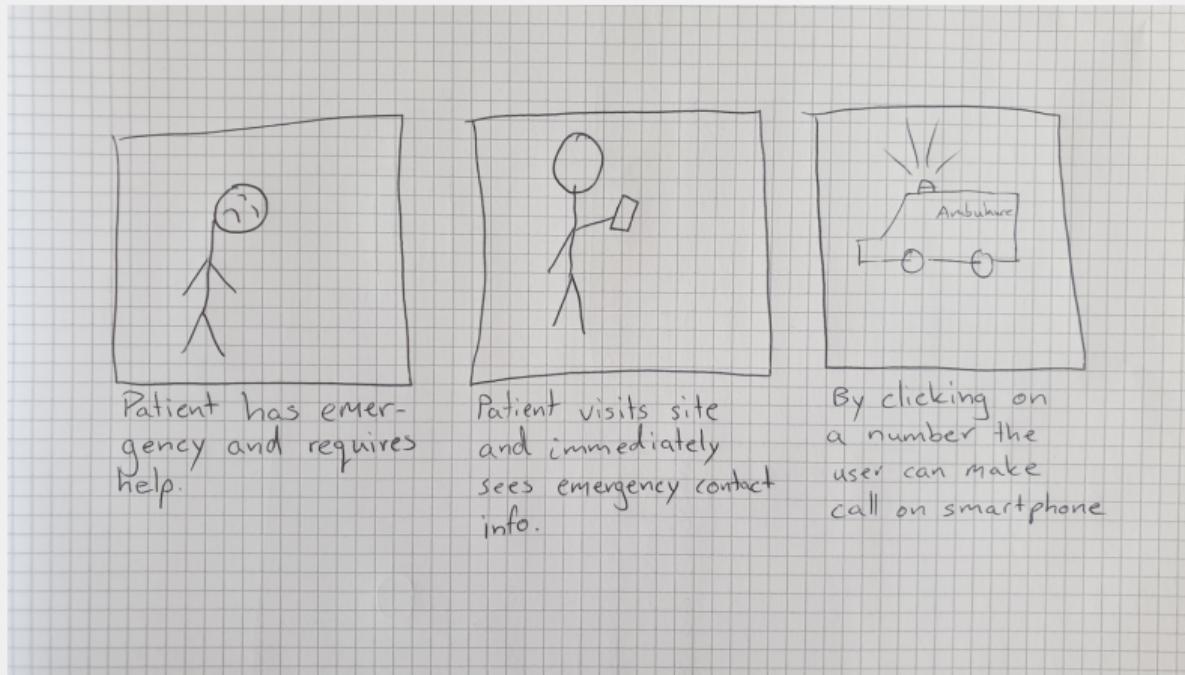
# MOOD DIARY



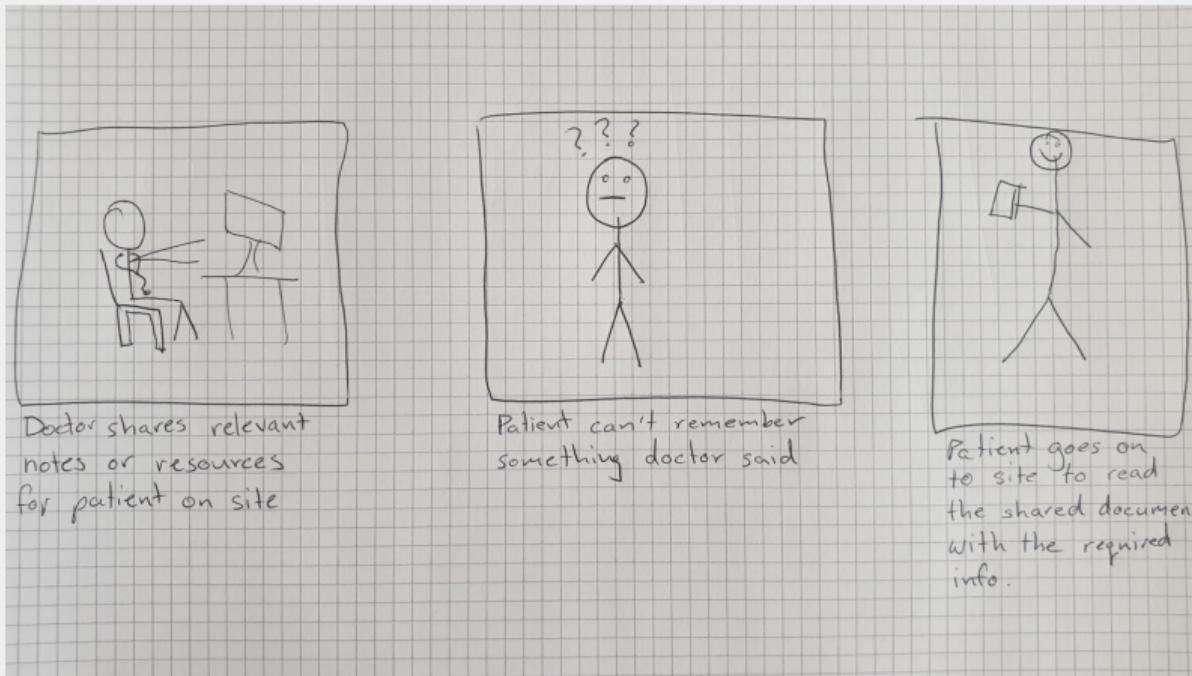
# SHOW INVOICES



# EMERGENCY CONTACT

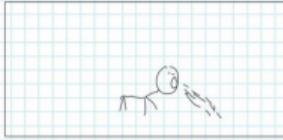


# SHARING DOCUMENTS



# MAKING AN APPOINTMENT

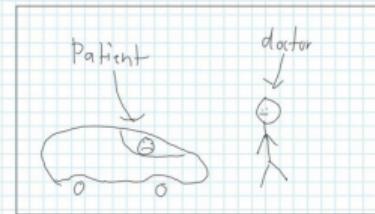
## Making an appointment



Person feels very bad.



Person make an appointment.  
He sees on his phone, when the  
doctor has time for him and  
book an appointment.



The patient drive to the clinic.

# INFORMATION PAGE



Doctor creates knowledge sites for patients.



Person is already patient by a clinician, because he has other problems. He recognizes new symptoms.

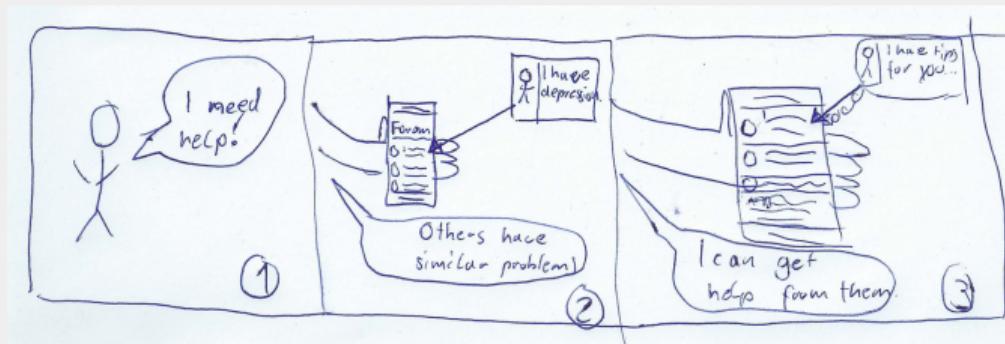


Person take his smartphone and search for information/reasons for his symptoms.

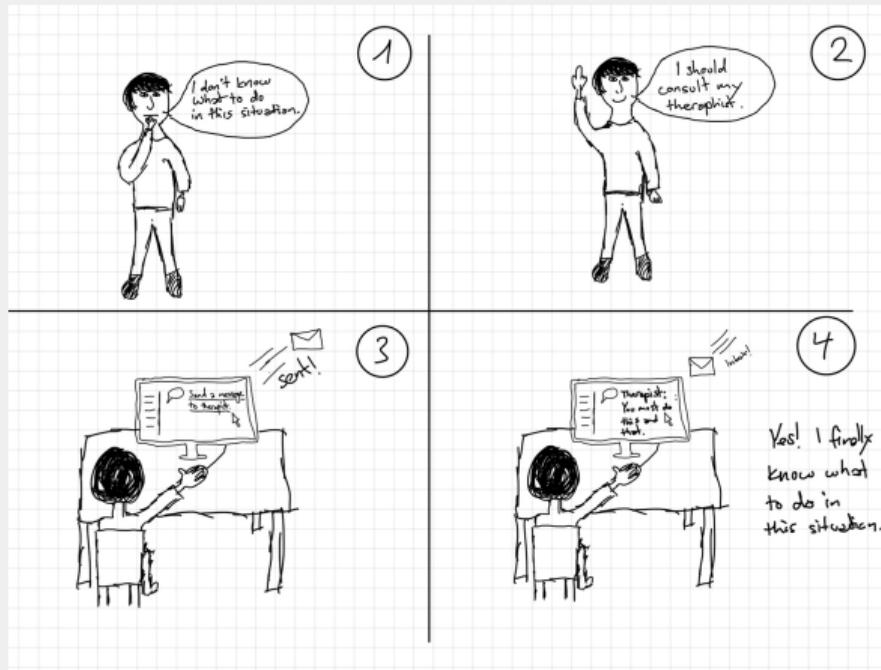


Person know now, why he has new symptoms.

# COMMUNICATION WITH OTHER PATIENTS

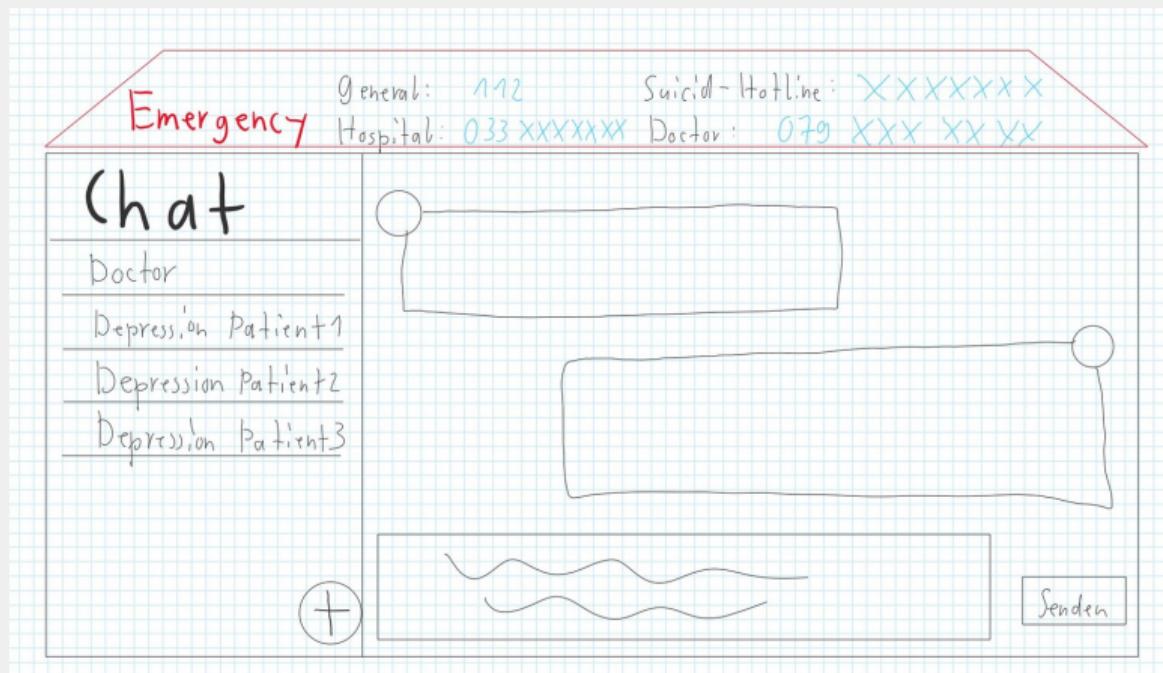


# COMMUNICATION WITH HEALTH CARE PROFESISONAL



# PROTOTYPE

# COMMUNICATION



# MOOD DIARY (I)

Mood Diary

Search

Date: 01.01.2019

Context:

Date	Medication	Mood
w	w	w
w	w	w

# MOOD DIARY (II)

Edit Mood Diary

Date: 24.03.2018

hours sleep last night: [ ] h

Water intake today: [ ]

Time	Meditation	Done
[ ]	[ ]	[ ]

Time	Mood
[ ]	[ ]

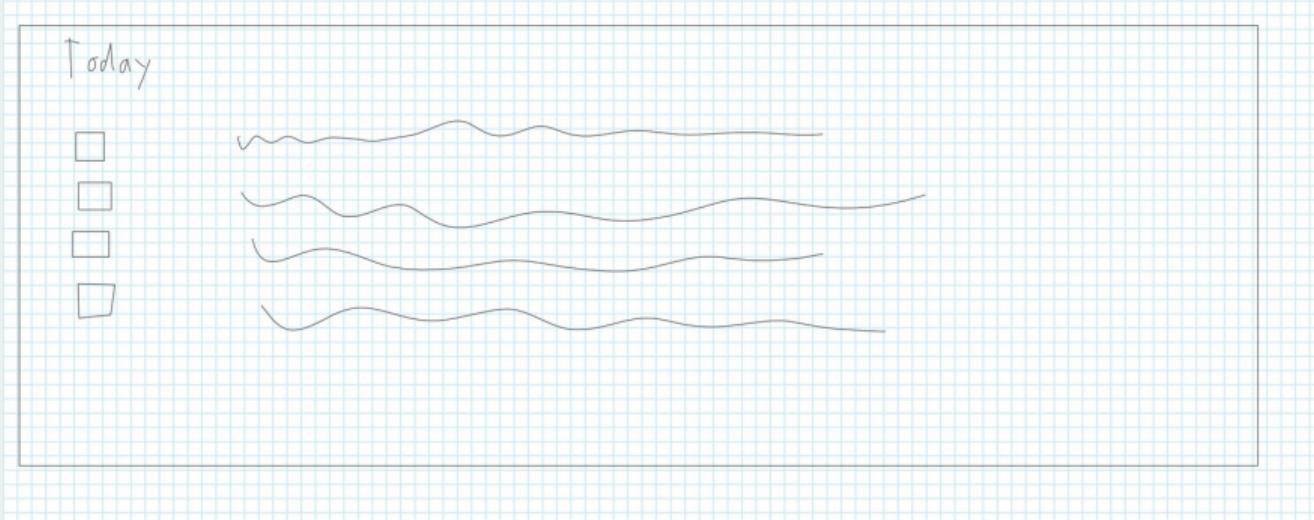
Time	Food
[ ]	[ ]

Today	Activities /essions
[ ]	[ ]

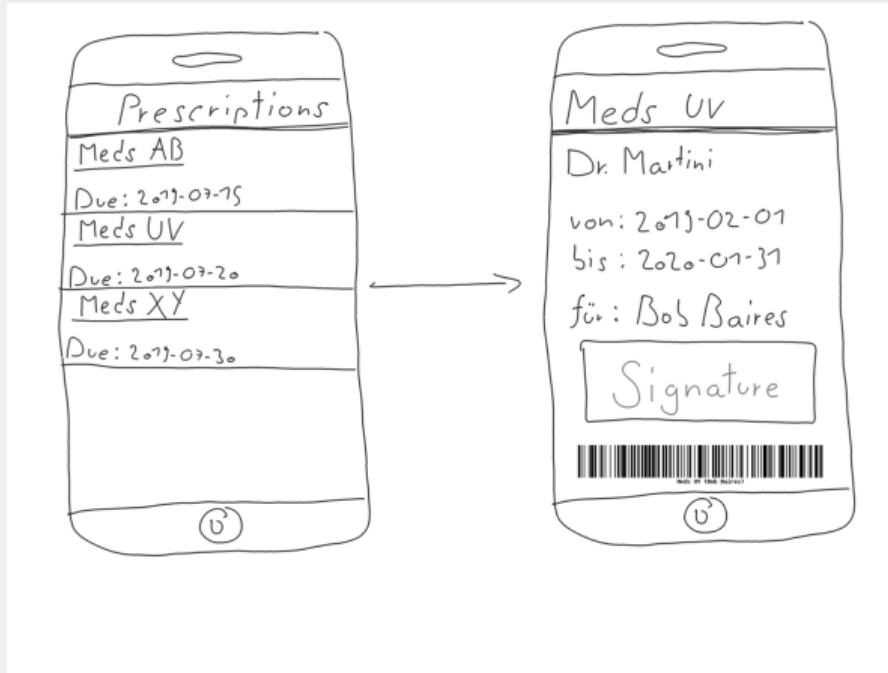
Notes:

[ ]

# MEDICATION REMINDERS



# PICKING UP PRESCRIPTION



# VALIDATE

# VALIDATE

## Methodology

- Interview partners
- Prototypes

## Findings

- The basic concept holds up
- Medication Reminders & Chat system
- Permissions from the doctor (patient-patient chat)
- Good Inputs
  - ▶ Mood rating system
  - ▶ Quick status check of patient

# QUESTIONS?

# **THANK YOU!**