

The background is a light teal color decorated with various medical icons. There are several pills: some are brown and pink capsules, others are teal and grey capsules. A pink digital thermometer with a black display showing '36.7' is positioned horizontally. A teal stethoscope is draped over a pink clipboard with a white grid. A pink plus sign is in the top right, and another is in the bottom left.

CSIT6000N

Group 9 - Stage II Presentation

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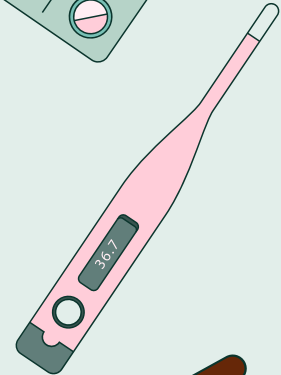
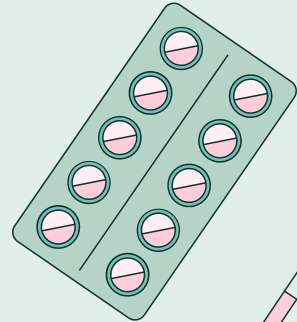


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01 Recap of Phase I

- Need finding & PoV
- Design Goals & Ideation



Needs of patients with chronic and serious illnesses



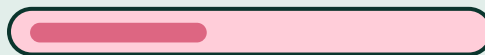
As humans are coexisting with COVID-19, **68%** patients with chronic and serious illnesses (i.e., Post COVID condition) want an integrated platform for daily health management.

Often forget to take medicine



28%

Daily health management lacks professional guidance



38%

Great burden of medicines and treatments



40%

Troublesome to go to the hospital for regular check-ups



51%



Table 1: Challenges in daily health management for chronic/severe disease patients (%)

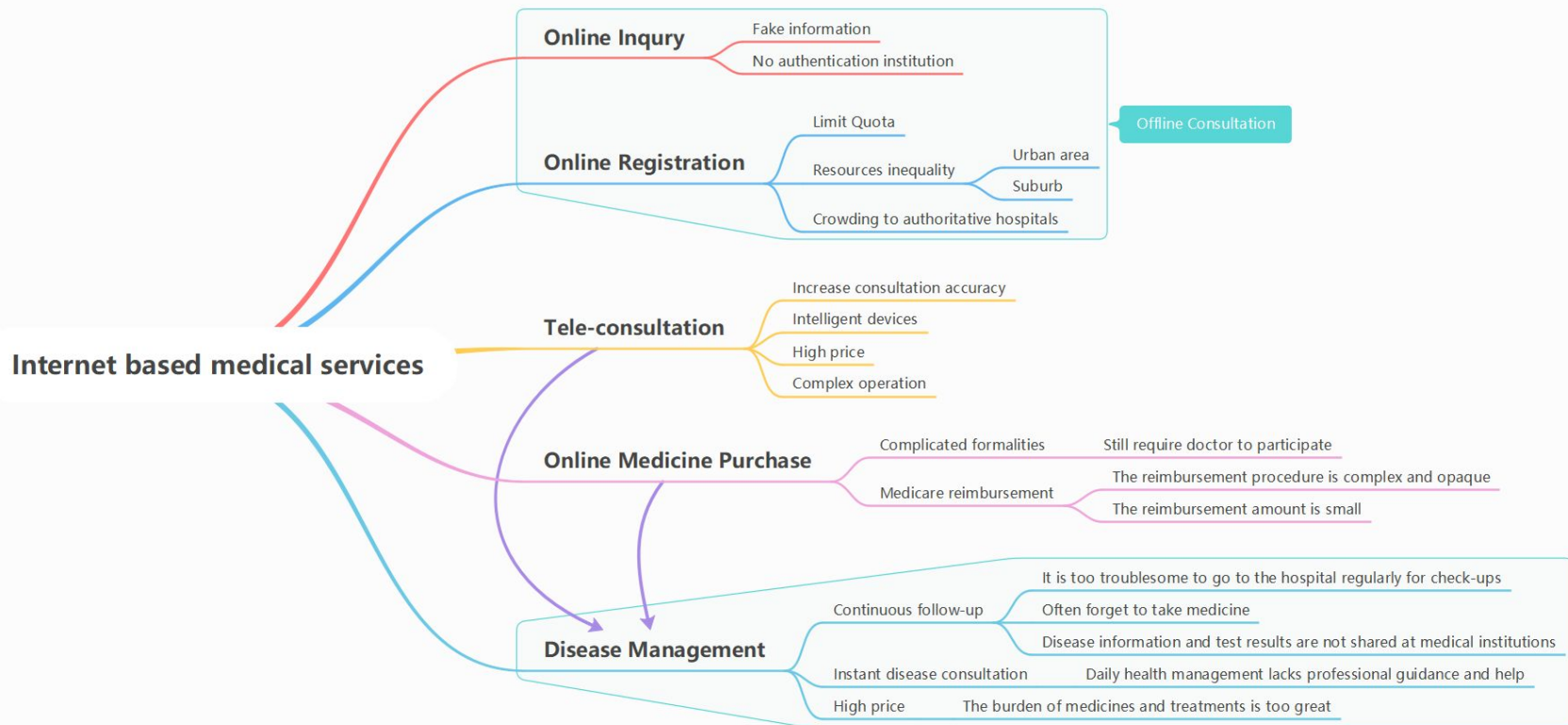


Point of View (PoV)



Patients with chronic and severe disease need an **Accessible Disease Management Platform** to meet their health care needs.

Brainstorming





Design Goals

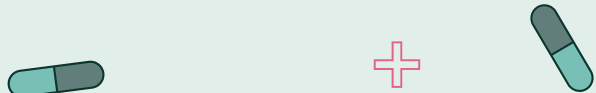


1. **Improve interconnection inside and outside the hospital.**
Provide seamless user experience.
2. **Strengthen chronic disease management.**
Adapt to the needs of common chronic diseases, i.e.,
Post-COVID Conditions.
3. **Promote cross-platform cooperation.**
Jointly build a large ecosystem of medical healthcare.



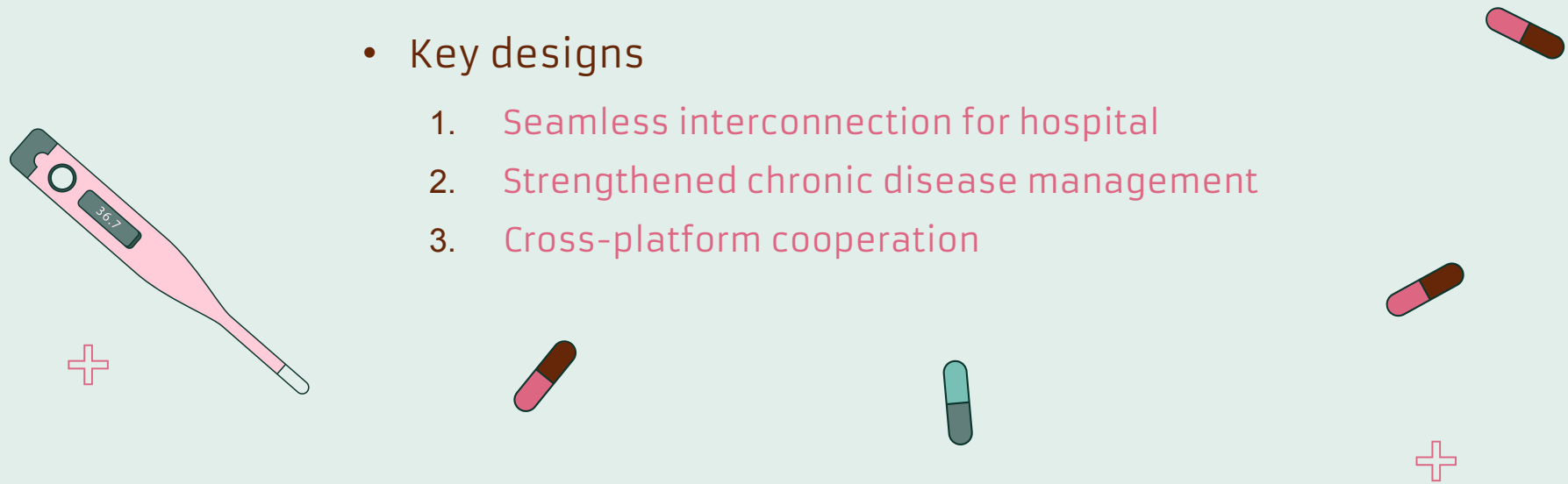


02



Prototype Design



- Video Prototype
 - Key designs
 1. Seamless interconnection for hospital
 2. Strengthened chronic disease management
 3. Cross-platform cooperation
- 

Video Prototype

Accessible Disease Management Platform

GROUP 9

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<https://drive.google.com/file/d/1dJj1FQRLBtM1NJ26stnPMYeo2yOHfvTa/view?usp=sharing>



Key 1: Seamless interconnection for hospital

Features

- Appointment Register

9:41

Sign Up

James Schleifer

james Schleifer@gmail.com ✓

••••••••

☒ I agree to the medidoc [Terms of Service](#) and [Privacy Policy](#)

Sign Up

Don't have an account? [Sign Up](#)

9:41

Find your desire
health solution

Search doctor, drugs, articles...

Doctor Pharmacy Hospital Ambulance

Early protection for
your family health

Learn more

Top Doctor [See all](#)

Dr. Marcus Horiz
Cardiologist
★ 4,7 800m away

Dr. Maria Elena
Psychologist
★ 4,9 1,5km away

Dr. Stevi Jess
Orthopedist
★ 4,8 2km away

Health article [See all](#)

9:41

Top Doctor

Dr. Marcus Horizon
Cardiologist
★ 4,7 800m away

Dr. Maria Elena
Psychologist
★ 4,7 800m away

Dr. Stefi Jessi
Orthopedist
★ 4,7 800m away

Dr. Gerty Cori
Orthopedist
★ 4,7 800m away

Dr. Diandra
Orthopedist
★ 4,7 800m away

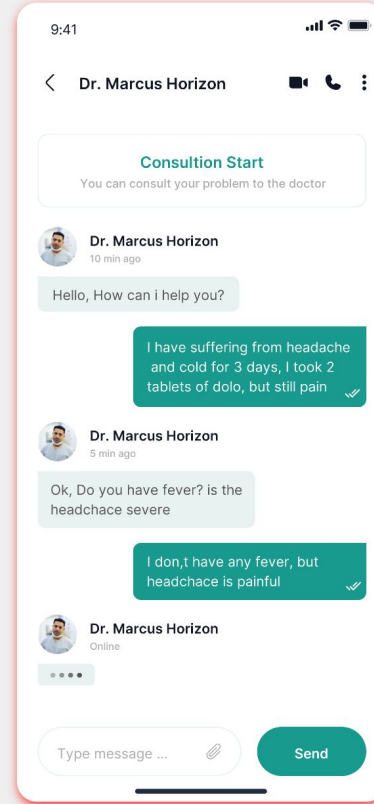
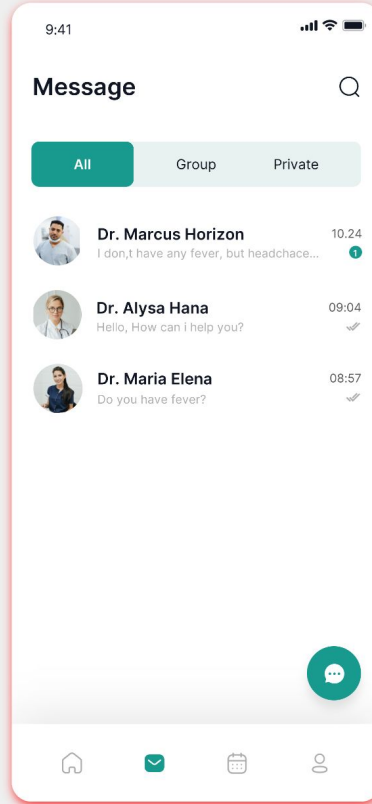




Key 1: Seamless interconnection for hospital

Features

- Online inquiry

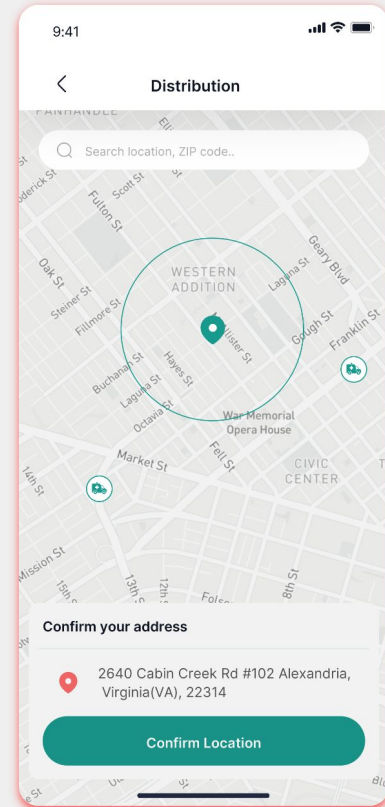
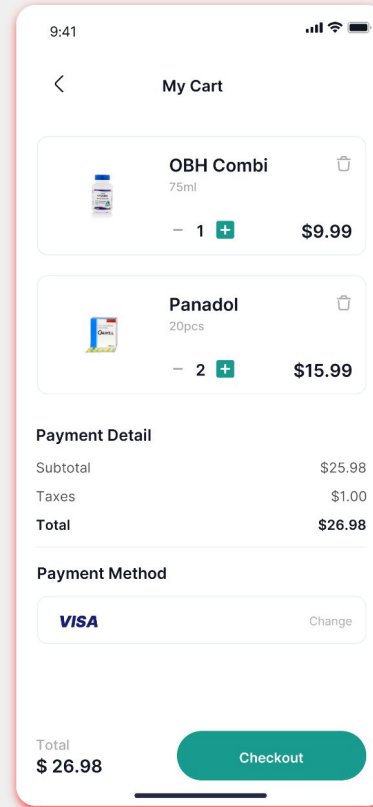
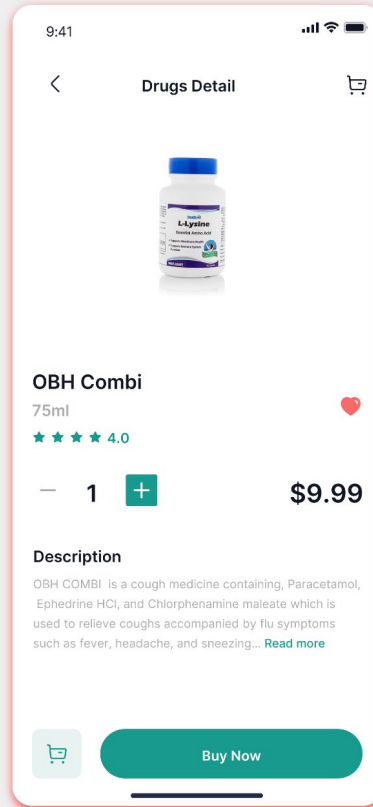




Key 1: Seamless interconnection for hospital

Features

- Drug Distribution





Key 2: Strengthened chronic disease management



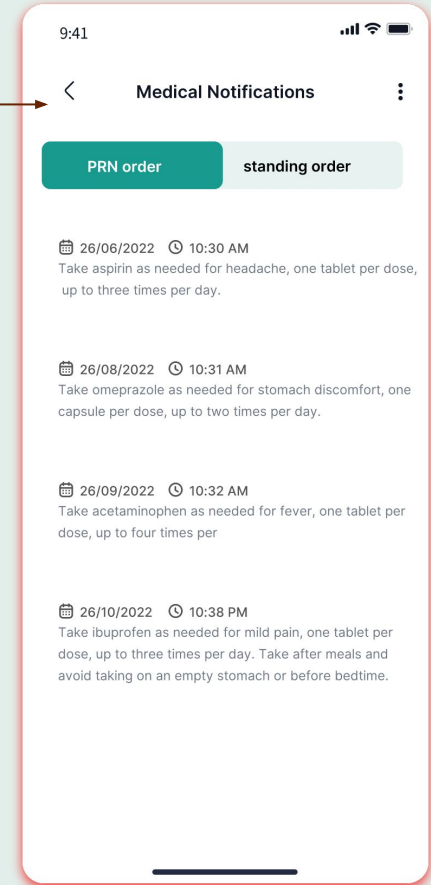
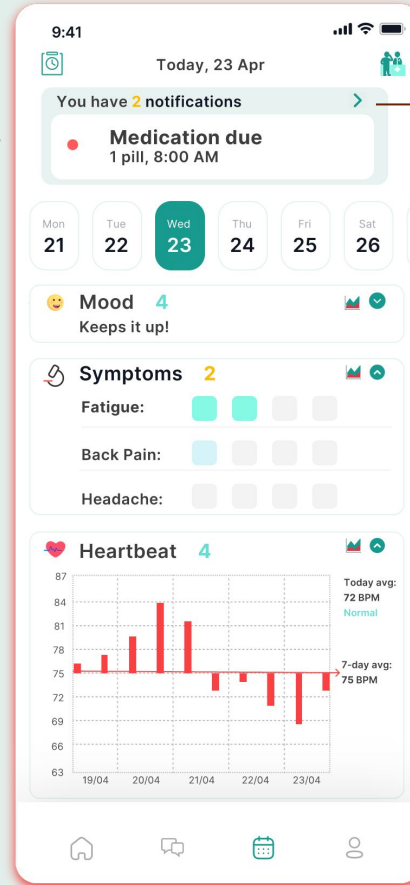
Features

- Health Tracker
- Specialist Clinic

• med reminder

• Rate your feelings today

• Check historical stats





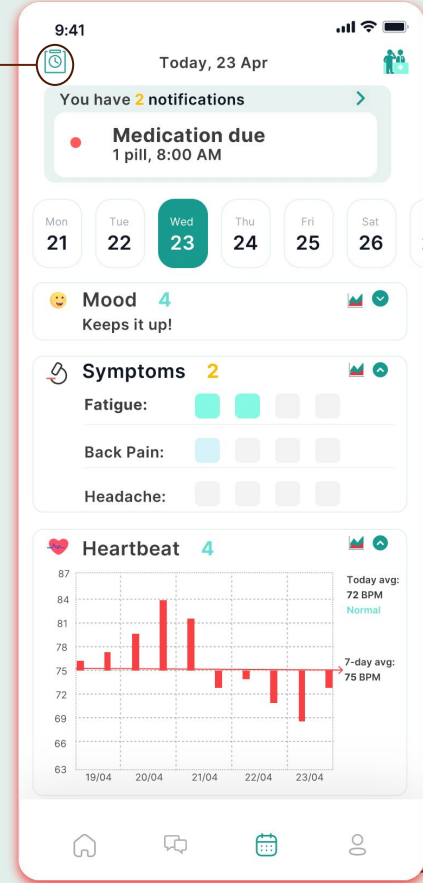
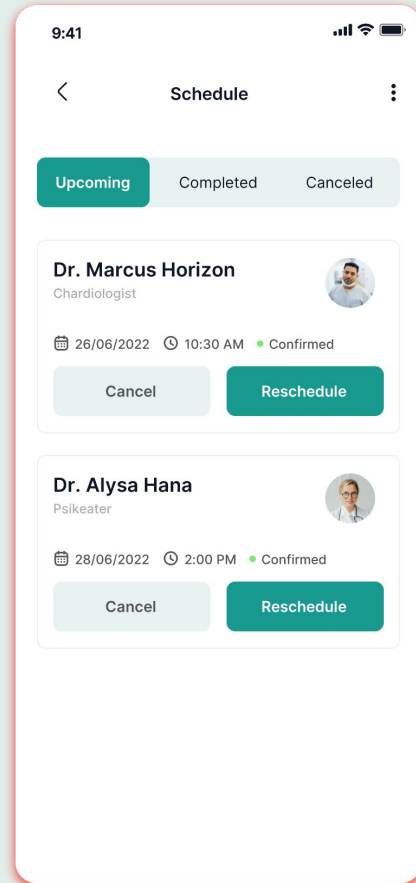
Key 2: Strengthened chronic disease management



Features

- Health Tracker
- Specialist Clinic

- check your schedule



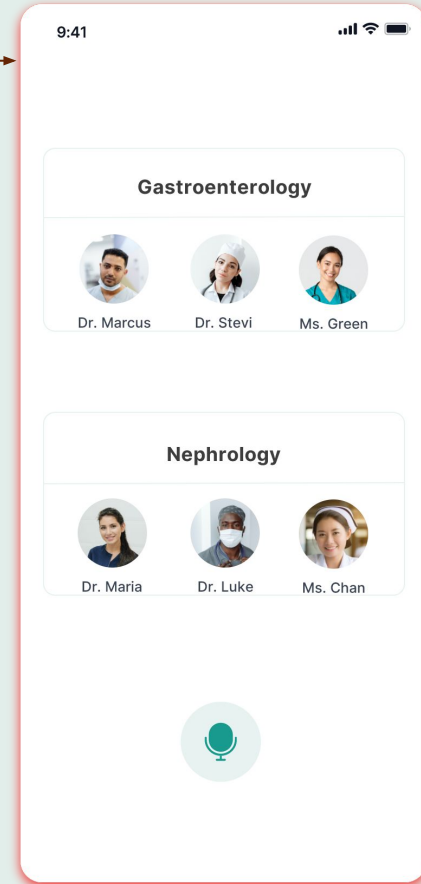
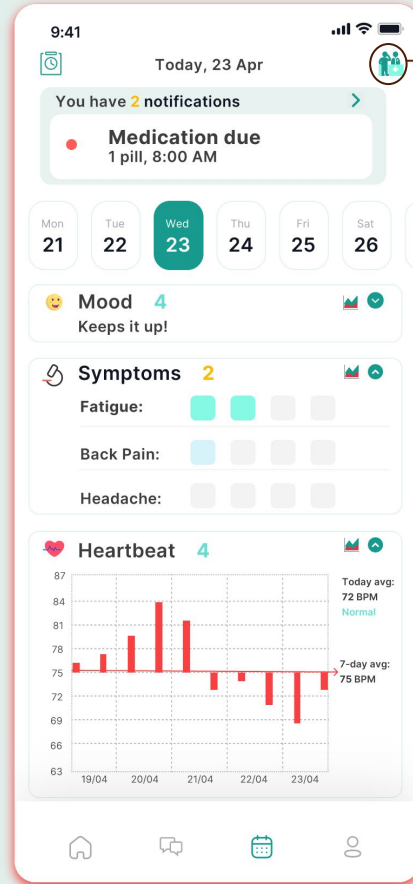


Key 2: Strengthened chronic disease management



Features

- Health Tracker
- Specialist Clinic



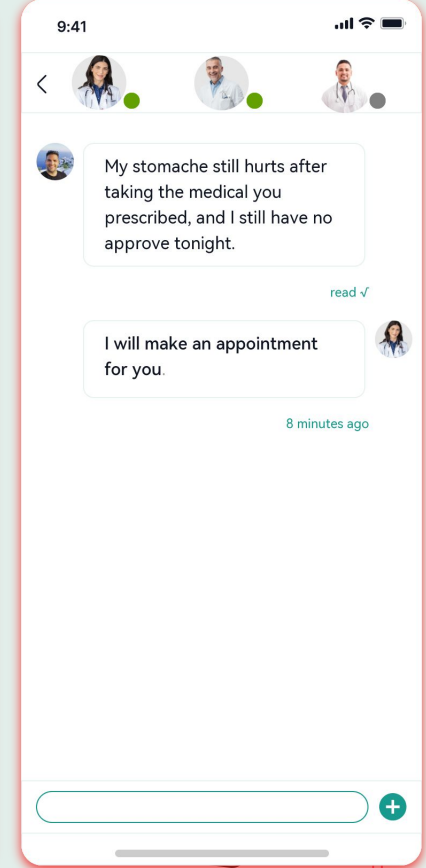
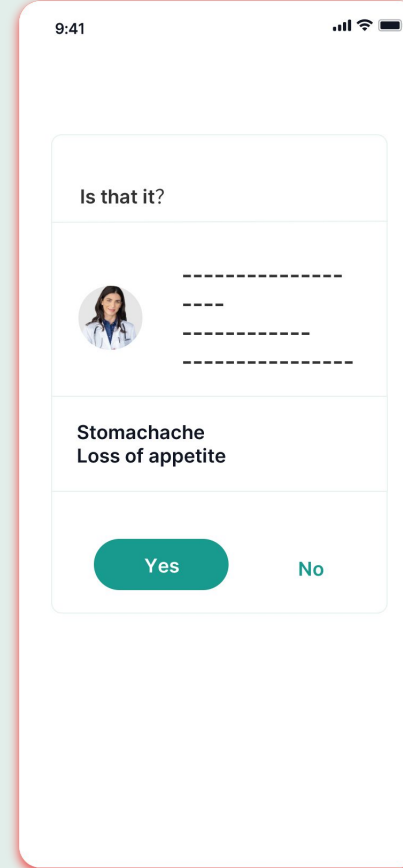
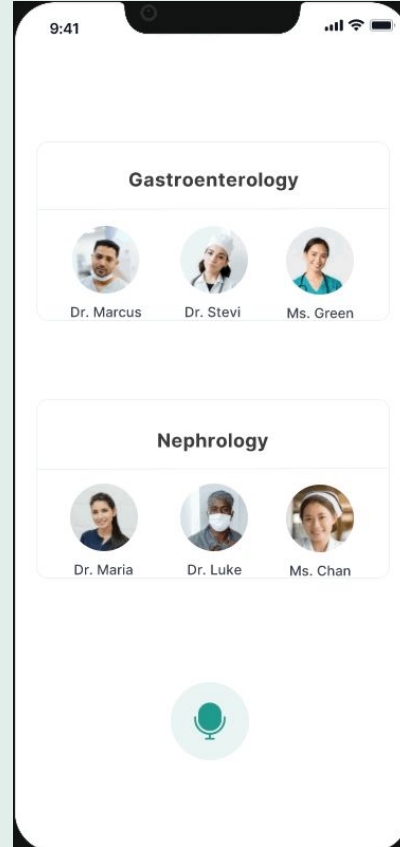


Key 2: Strengthened chronic disease management



Procedure

1. Describe your symptoms in voice
2. AI will analyze your need and give suggestion
3. Choose the right department and doctor for you



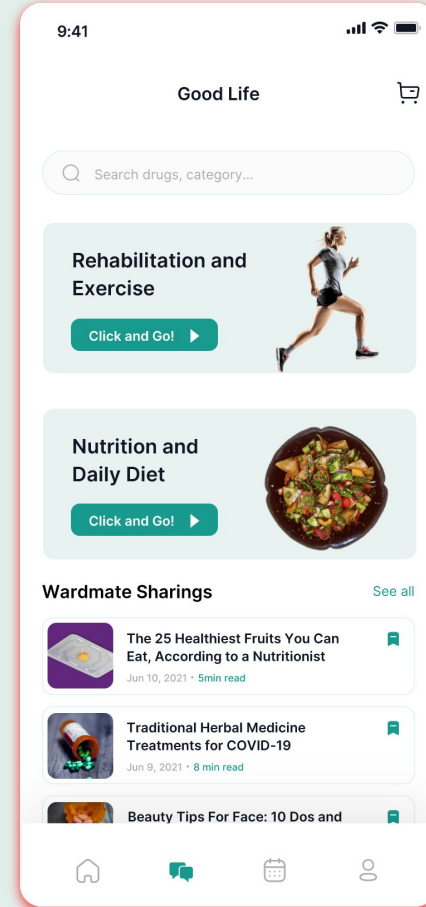


Key 3: Cross-platform cooperation

Features

- **Good Life**
 - A convalescent care platform
 - Exercise
 - For physical rehabilitation
 - Diet
 - For proper nutrition

-

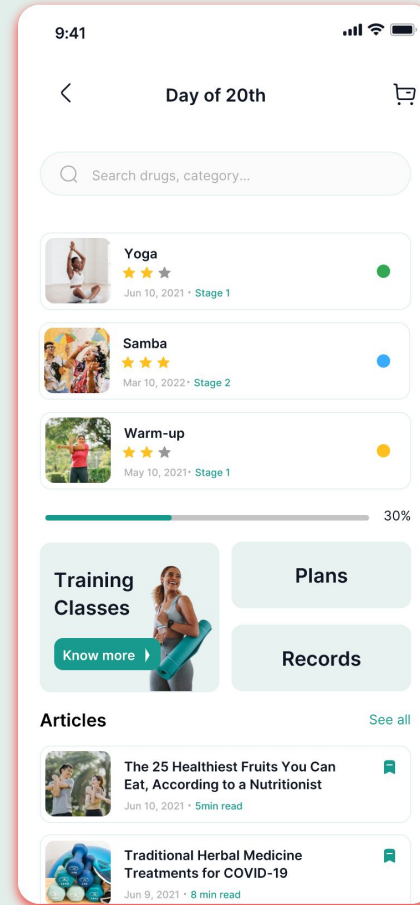




Key 3: Cross-platform cooperation

Features

- Rehabilitation Exercise
 - Plans
 - Stages
 - Classes
 - Levels
 - Records
 - Articles



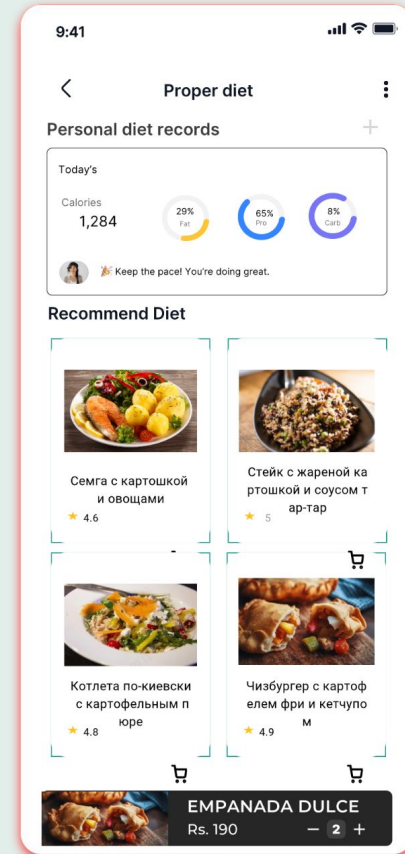
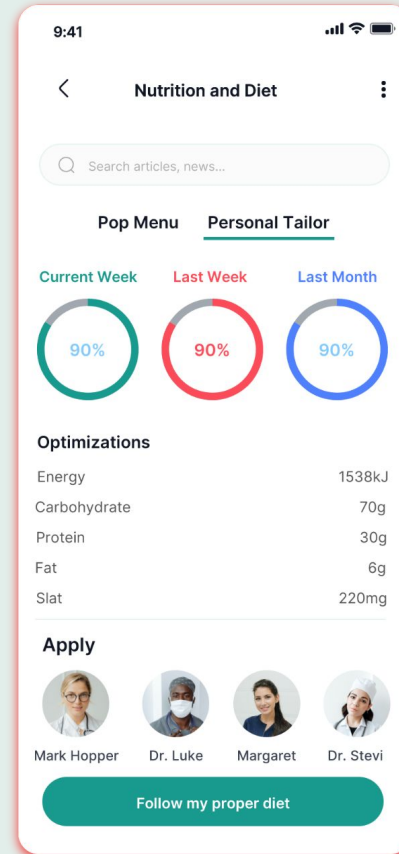
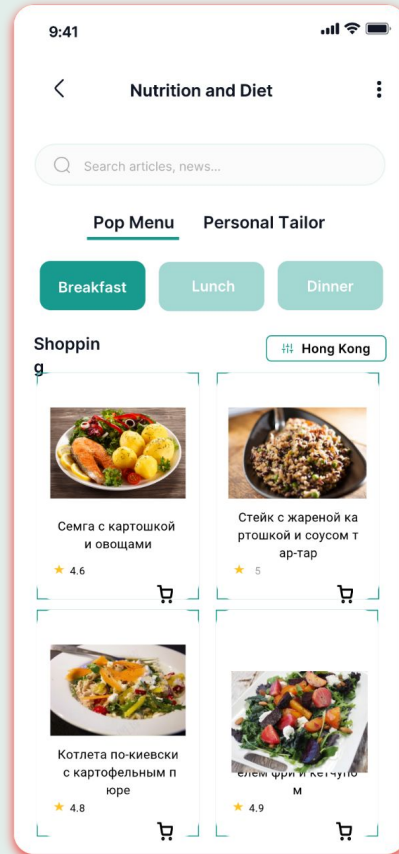


Key 3: Cross-platform cooperation



Features

- Nutrition & Diet
 - Pop menu
 - Personal Tailor
- Proper Diet
 - Records
 - Recommends





03

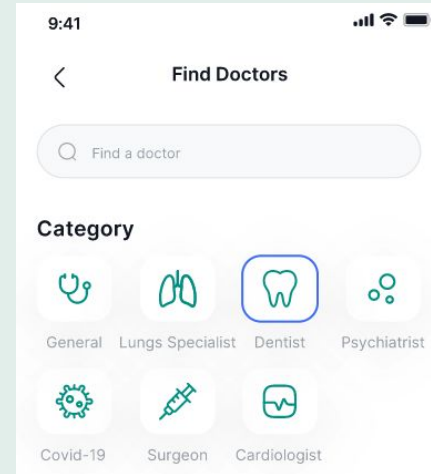
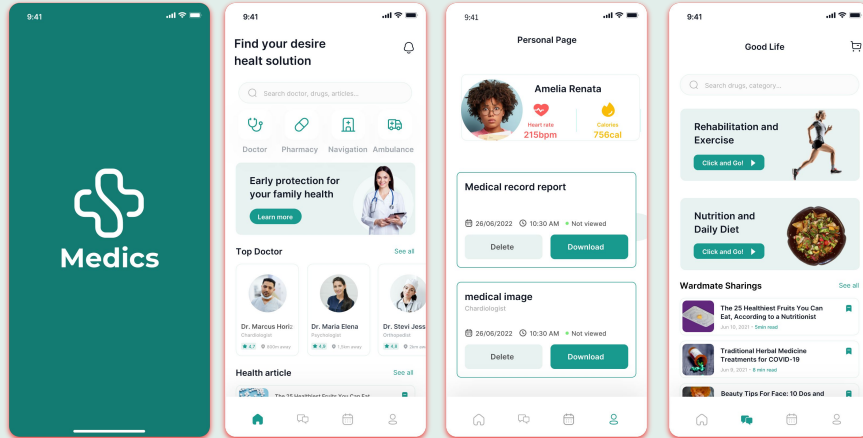
Evaluation

- Heuristic Analysis

Consistency

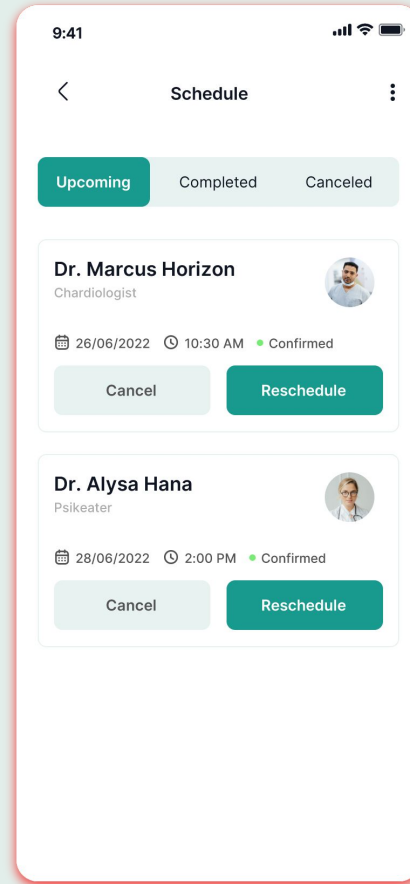
Internal consistency – coherent user interface design and behaving

Metaphorical consistency – similar design with real-world entity



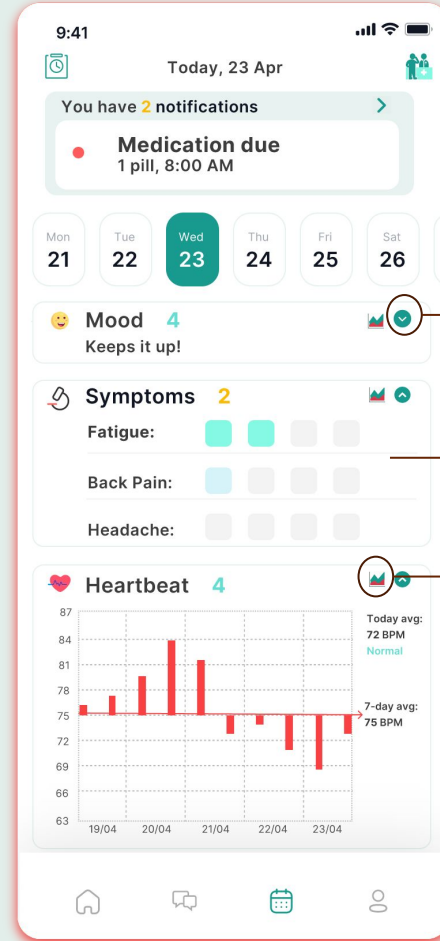
Freedom

- Provide clearly marked “emergency exits” to leave unwanted states.
- Support “cancel” and “reschedule” functionalities.



Flexibility

- Allow user to have multiple operations in the same panel



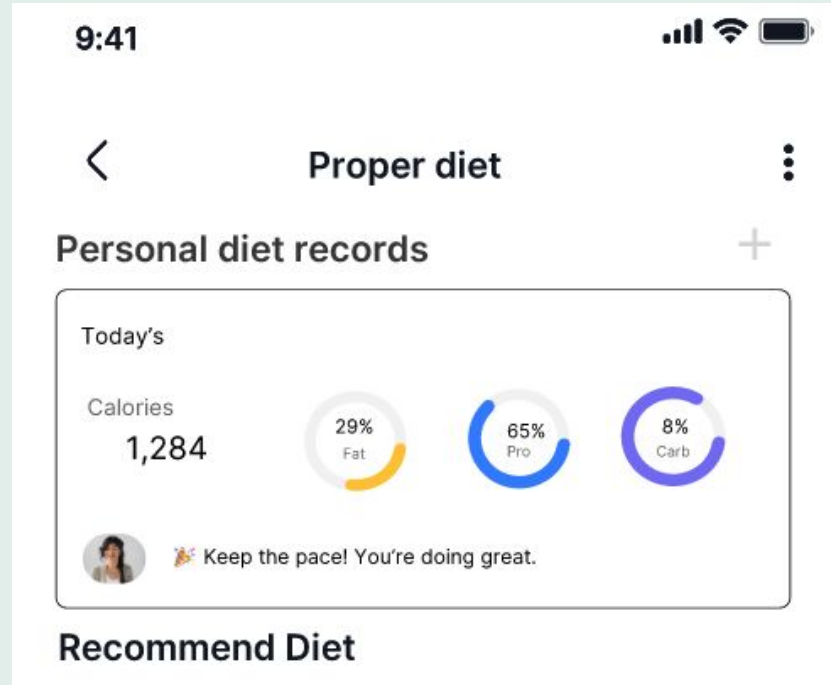
Expand or collapse information

Rate healthy stats

Show historical trends

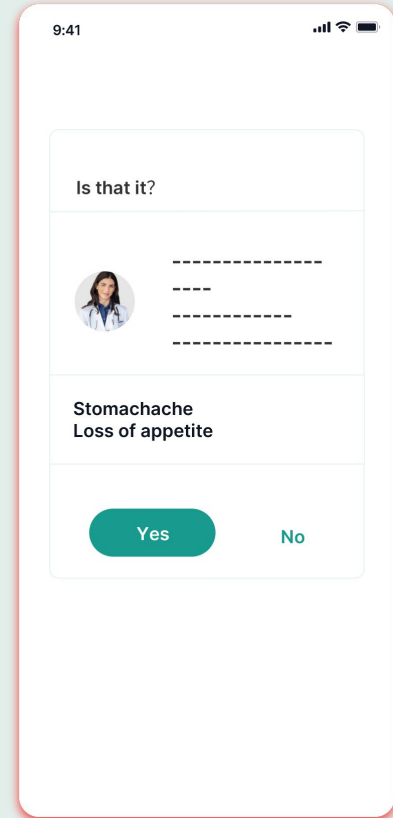
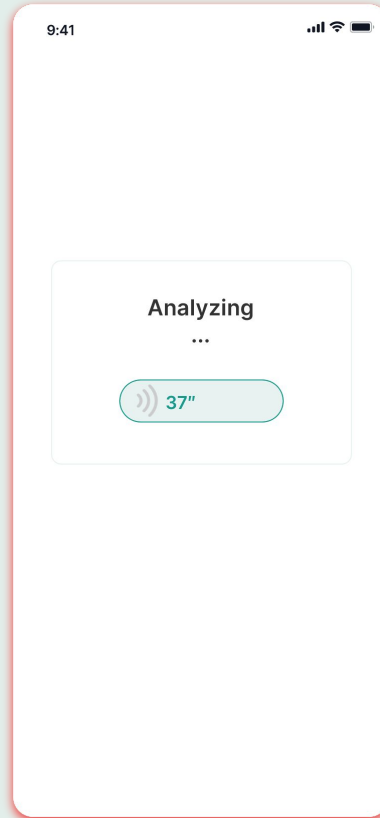
Visibility

- Keep users informed of daily dietary intake
- Feedback is timely and concrete



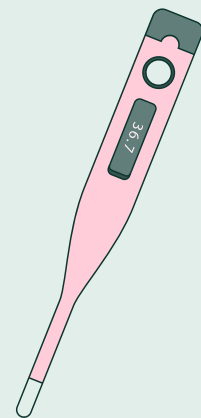
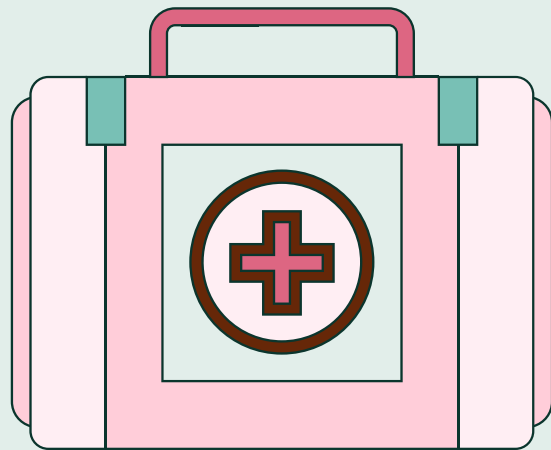
Error Prevention

- Confirm with the user whether the analysis result is correct
- Prevent errors from occurring



Evaluation Result

| | zy | fp | cy | rn | by | js | Average Score | Heuristic Principles violated |
|------------------------------|----|----|----|----|----|----|---------------|---|
| Interconnection for hospital | | | | | | | | |
| | 3 | 2 | 2 | 0 | 2 | 2 | 1.83 | Help users recognize, diagnose, and recover from errors |
| | 1 | 3 | 2 | 0 | 1 | 2 | 1.5 | Minimalism |
| Chronic disease management | | | | | | | | |
| | 3 | 1 | 3 | 1 | 1 | 1 | 1.67 | Proactive help |
| | 2 | 2 | 3 | 2 | 1 | 2 | 2 | Recognition |
| Cross-platform cooperation | | | | | | | | |
| | 3 | 3 | 3 | 3 | 3 | 2 | 2.83 | Flexibility and efficiency of use |








04

Discussion

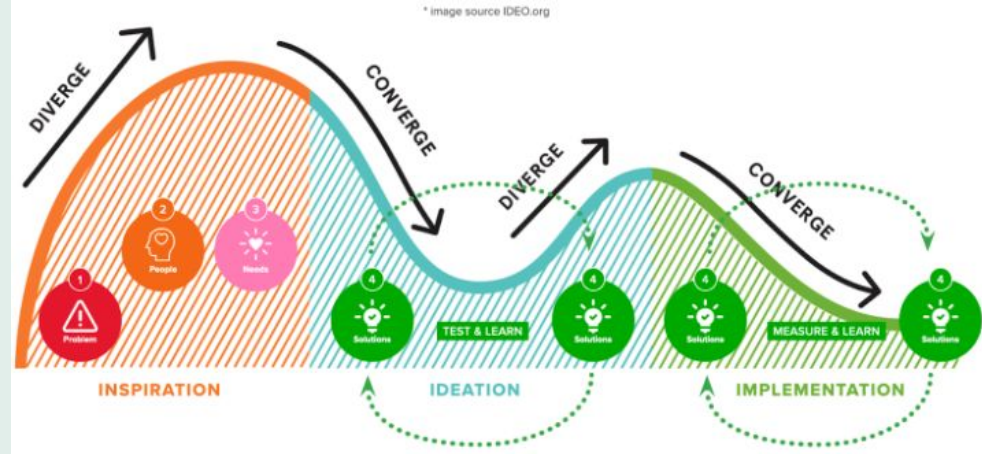


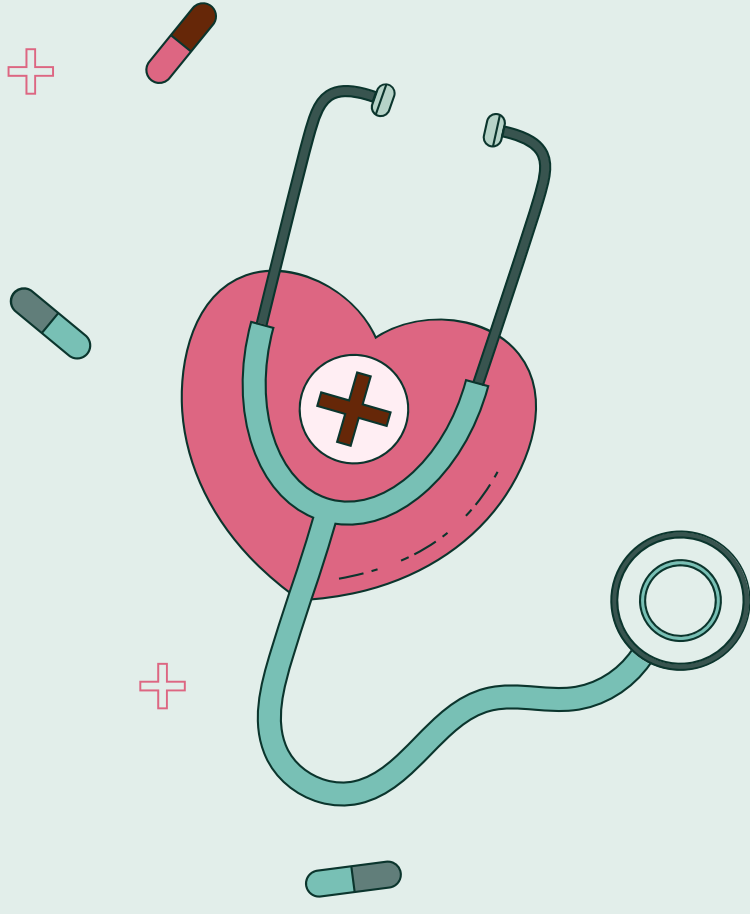
Insights

- It is important to understand user (people with chronic conditions) needs:
 - Connecting with healthcare professionals
 - Tracking their symptoms
 - Accessing relevant information
 - Communicating with other patients, etc.
- 
- 
- 
- 
- 

Lessons learned

- Practice of human-centered design
 - Need finding
 - Ideation
 - Implementation
- Team collaboration
 - Organizing tasks
 - Sharing experience & information





THANKS!

CREDITS: This presentation template was created by **Slidesgo**, including icons by **Flaticon** and infographics & images by **Freepik**