2021 VCD Thesis Showcase
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Healthway.

Keep abreast of your health anytime and anywhere

Healthway is the brand new generation of Personal Health Record System, which uses IoT healthcare devices to keep long-term health data records. The user can use the data via the Healthway App to keep track of their health fitness, and Healthway App keeps it by itself and encrypts.

Once the data become abnormal, the system can inform the person in time. In addition, Healthway allows the user communicate with the doctor online, and helps users make an appointment with the doctor when they detect abnormal health issues.

? Why design Healthway?

Health care is one of the common topics that almost everyone faces, however, collect health data is difficult.

? What is Healthway?

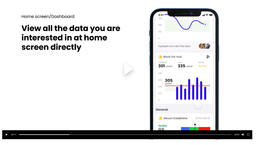
Healthway is a personal health record system, using IoT medical devices to collect health data.

Let see an animation about the highlight features of Healthway, to know how does it make an impact on people's lives.

Hey there, this is the default text for a new paragraph. Feel free to edit this paragraph by clicking on the yellow edit icon. After you are done, just click on the yellow checkmark button on the top right. Have Fun!

Home screen/Dashboard

View all the data you are interested in at home screen directly



Next, introduce the Experience of Healthway

Task 1 - New user's guide

When the new users sign up for the account, the system will guide the user to choose their own dietetist, in order to make personalization.

Onboarding

In onboarding screen, the user needs to fill out their basic info and interested it so that the system can match the user to the appropriate database

Choose the dietitist

Task 2 - Connect IoT devices to your account

The device page helps users manage all of the IoT medical devices. It reflects the hardware and software ecology their Healthway creates.

My Device

After entering the home page, the user could connect their IoT devices based on which kind of data they are going to collect. For example, the user can take out blood oxygen monitor device when they use the device. They can browse the changes of the data over time

Add new device to scan the device

Connected

The set up processes have 4 step, namely, click the button, scan the device using camera, waiting for connection, click Allow to connect, and the last step is to connect your data.

Task 3 - View health data in dashboard

The dashboard is based on the users' preferences, including index, device, dataset, highlight, and prominent.

Dashboard-1

In some design, I'm user will see their health data dashboard, which will show the health index, the health information, health index, IoT device, database, and data charts.

Dashboard-2

The design that has some different states. When the data needs to be reminded, the system will be displayed, but privacy protection, the system will not show the received the information.

Update notification

Privacy notification

Three States

The three states shows the different health conditions based on the data's analysis, the system will change the color of the index, when the abnormal Healthway use color to reflect the condition.

Task 4 - Receive timely health reminders when the system received abnormal data

Healthway plays a vital role for users to understand their health condition.

Notification

When the data become abnormal, the system will analyze it, then normally will send the abnormal data and give them a suggestion made by AI.

notification

Health Index

The health index page is used to present the health value of the system statistics.

Data Trend

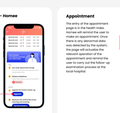
Abnormal Data

Health Index

Abnormal Data

AI Doctor's Suggestion Card

History Data Record



Task 5 - Contact doctor online, enjoy medical services offline

The GUI services have integrated into the Healthway. The user could access offline services, in order to make better treatment.

AI Doctor - Homee

Homee will analyze and suggest a doctor

Appointment

The entry of the appointment page is the doctor's information screen and remind the user to make an appointment. Once the user has made an appointment, it was detected by the system, which will help to ensure the smooth operation of the appointment and remind the user to carry out the follow-up examination process at the next hospital.

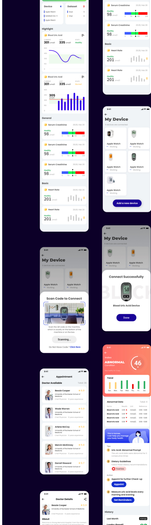
Contact

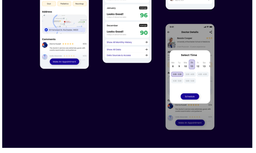
The contact page help patients to chat with the doctor directly online. Healthway has access to the doctor's personal phone, homeline, and when an appointment is made, it automatically creates a private group of doctors, nurses and patients to communicate with online

AI Doctor's Suggestion Card

AI Doctor's Suggestion Card

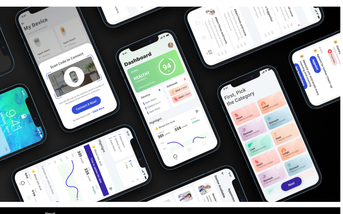
Overview the complete product





Thanks for watching, for the detailed project document and thesis paper please click the link.

Thesis Project Document, Thesis



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