The Design of Hospital Patient Food Service System in the Future Society

Designed based on the future needs of human sustainable diet, committed to improving the quality of meals for long-term inpatients

O1 Context

The world's top ten hospitals are located $\ensuremath{{\ensuremath{\ensuremath{{\ensuremath{\ensuremath{{\ensuremath{\ansuremath{\ensuremath{\nnu}\ensuremath{\ensuremath{\ensuremath{\nnu}\ensuremath{\ensuremath{\nnu}\nnu}\ensuremath{\nnu$

Hospital catering is still a problem that top hospitals stillneed to consider

The issue of hospital catering is not only food hygiene and safety, but also whether the patient's diet helps the body recover. More importantly, there is the issue of patients' catering experience. In the catering service survey of top hospitals in the world, there is no catering system that is more popular with patients.



Europe

O1 Context

Husband and wife open life kitchen to solve cooking problems for patients' families

Beginning in 2003, a couple in Jiangxi, China, started operating the "kitchen of life", providing cooking stoves for the families of hospital patients and solving cooking problems.



01 Context

日家原居

processing restaurants near hospitals are very comm

The family members of the patient buy fresh ingredients and put them in the processing restaurant, which is responsible for processing, so that the processed ingredients have high nutritional value and help the patient recover.

Restaurant name: Hao Zai Lai Processing Restaurant

In China,

01 Context

向正祝小ろ出

注意高温

Cution high temperature

凯心烫伤

Although the nutrition problem is solved, the problems of distance, price and food safety remain to be solved

To create a healthy community environment in the future, we made the following design



02 Design Idea

Based on the processing restaurant near the original hospital, the future hospital patient meal system is designed to ensure a safe, convenient and efficient diet based on healthy diet. It is worth mentioning that this design can also provide employment opportunities for patients' families.







Based on the existing opportunities, we define the service population as long-term hospitalized patients (2 weeks-4 weeks)

02 Typical User Behavior in A Day



02 Stakeholder Map Analysis



A End user



 (\Box) Big data statistics

B First level user





Human Resources



C Secondary user Health protection Financial resources



Material resources

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Government



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🗲 Takeaway

Merchant

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<u> </u>Hospital

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Private organization

02 Typical User Analysis

Auntie Zhao who took care of Grandpa Li for a long time

Work as an accountant and retired at home

No experience in caring for patients

"I hope my husband can eat well, but the hospital' s meals are almost the same every day. We are all tired of eating and we don' t know if there is nutrition."

Aunt Zhao

02 Discovery and Summary of Focal Issues



Perceives

Patient

Able to meet individual dietary needs one on one.

Taste and nutritional needs can be met.

The source of the food is more transparent, and the food is more secure and safe to eat.

Requesting users

Reduce the physical burden of caring for the sick.

Make life easier.

The source of ingredients is guaranteed, the production process is more transparent, the food is nutritious and healthy, and it feels safe and secure to eat.

Relational users

Working with fellow patients in the same ward and taking turns to carry the prepared food can lighten the workload.

Helping other patients bring meals also increases financial bene-

Communicate with patients, can reduce their psychological pressure and burden.

Service-oriented users

Increased job opportunities.

Make oneself obtain economic source, reduce the economic burden of the family.

Reduce social instability.

03 Personas



The Request Type

35 years old

Software Engineer

Nanjing, China

" I took care of my father who was ill in hospital alone Sometimes I was too busy to come by myself."



The Associative Type

40 years old

Teacher

Nanjing, China

" Along with the other nurses on the ward, I cooked at the shared kitchen and sometimes we took turns picking up the prepared meals."



The Service-orient Type

32 years o

Worker

Nanjing, C

" I was at who came terminal n services." d



hina

the entrance to the shared kitchen to help those to the shared kitchen for the first time to use the achines and inform them of the relevant

03 Service Scenario BU **Service-oriented Inpatient Department Family Members** 山医局膳房 **IOT SECTION Donation Center Food and Beverage** Department





O3 User Journey Map







03 Service Blueprint



04 Customer Life Cycle Table





Dynamic Line Graph 86.48 m²

1: 100



Schematic diagram of regional division 86.48 m²

1: 100

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Tray disassembly diagram



05 Interactive contact design

Home Page Display

The content of the homepage is decorated with the icons of the medical dining room, and the login identity can be selected on the login interface, such as service user, service user and merchant identity



Sign in to **Medical Bureau** Dining Room

Email or Phone number

Password

Remember me

Sign in

Don't have an account? Si

05 Interactive contact design

IoT monitoring interface

Users can monitor the location and progress of meals on this interface, and check whether the dishes are safe and healthy at any time.









\$3 /gram

ent, spoon shaped green leaves, ch is sweet, nutty and sometimes tangy, ers to your doorstep freshly chopped aking your preparations much easier because we value your time!







O5 Interactive conta ct design

Grocery shopping interface

Users can buy fresh vegetables on this interface, the hospital will give corresponding subsidies, and the operation can also be purchased on the all-in-one machine





Expired date 112 Dec

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Address

ERIDA

Settings





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06 Testing phase

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06 Ideate and Prototype

WE CREATE **PROTOTYPES TO** MAKE OUR IDEAS **TANGIBLE** AND EASIER TO **COMMUNICATE AND** EVOLVE

THANKS