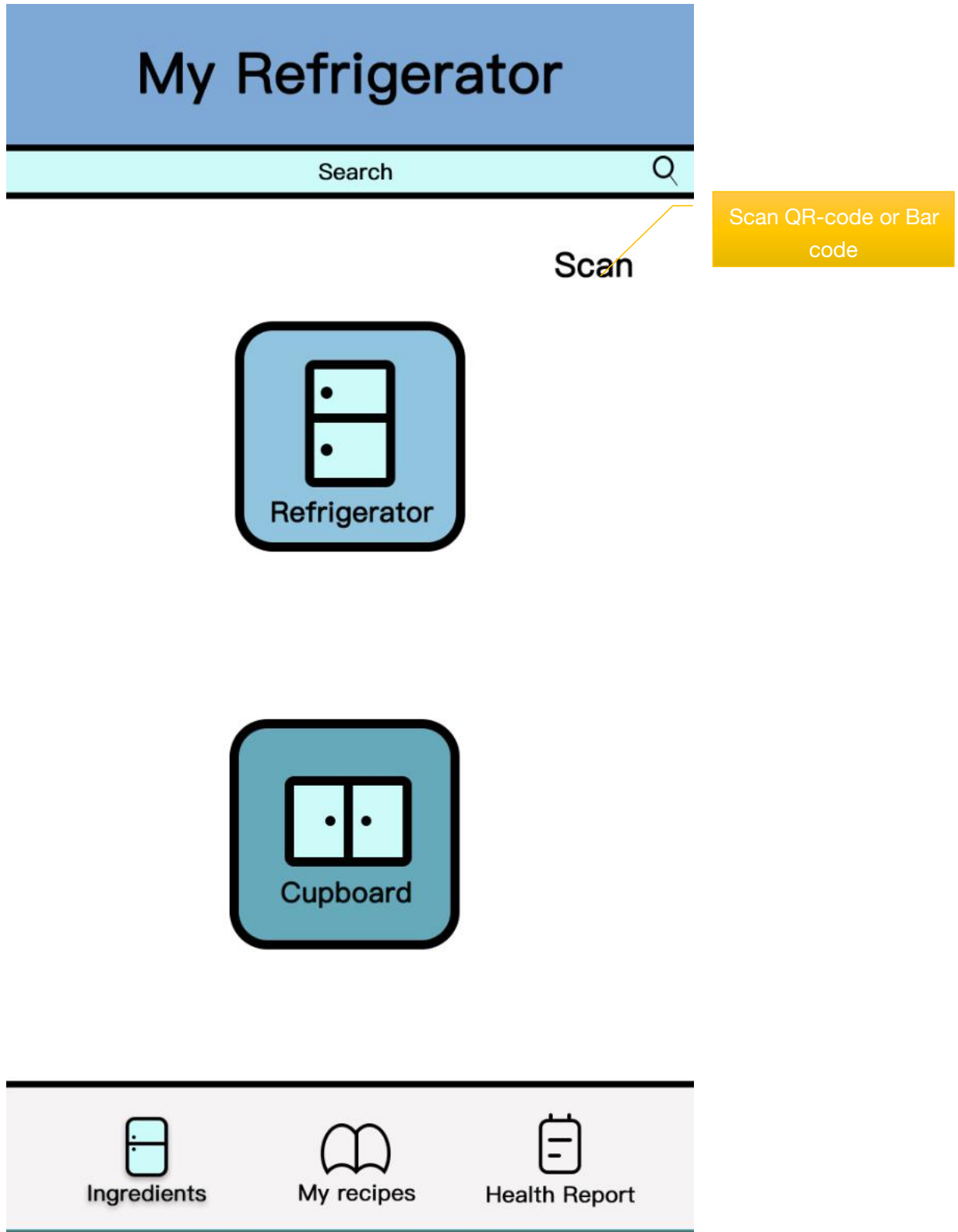# My refrigerator

- **Content and purpose**

This application is mainly used for record the intakes or the ingredients they having. Users could manually type or use the QR code to input the ingredients they buy and choose the types of them. When users want to eat somethings, they can change the status of the ingredients from the having to intake. The application will make the weekly health report based on user's intakes and give the scientific suggestions. Besides, application can send the notifications when ingredients are close to the expired date, and supply the recipes based on the ingredients they have. The main purpose of this application is to provide a healthier life for users.

- **Background and demands**

The reason of designing this application is I found there are many people usually buy many vegetables, fruits and meats in their refrigerators. However, maybe they are too busy or just have bad memory, the ingredients are put in the refrigerators until they rot. Therefore, I think if there is an application could remind people eat the foods in the refrigerator in time. Also, some people want to cook meal, but the recipes usually have many ingredients which may not use again. For this problem, I design the unusual recipes system which can only display when the having-ingredients can meet the essential ingredients of one recipe.

- **UI and functions**

My Refrigerator

Search 🔍

Scan QR-code or Bar code

Refrigerator

Cupboard

Ingredients   My recipes   Health Report

This is the home page pf the application. There are three parts, which are navigation bar, footers and main part. In the navigation bar, the name of application will display and there is a search bar witch can help users search the in gradients they saved. In the main part, there are two buttons that are refrigerator and cupboard. The fresh

fruits, vegetables, meats, deli and other fresh ingredients will save in it. The seasoning and other do not need to keep fresh in the refrigerator will display after user click the cupboard button. In the footer part, there are three buttons witch are ingredients, recipes and health report. The home page is considered as the ingredients page.

Your Banana will expire in five days

Search

Your Banana will expire in two days

Search
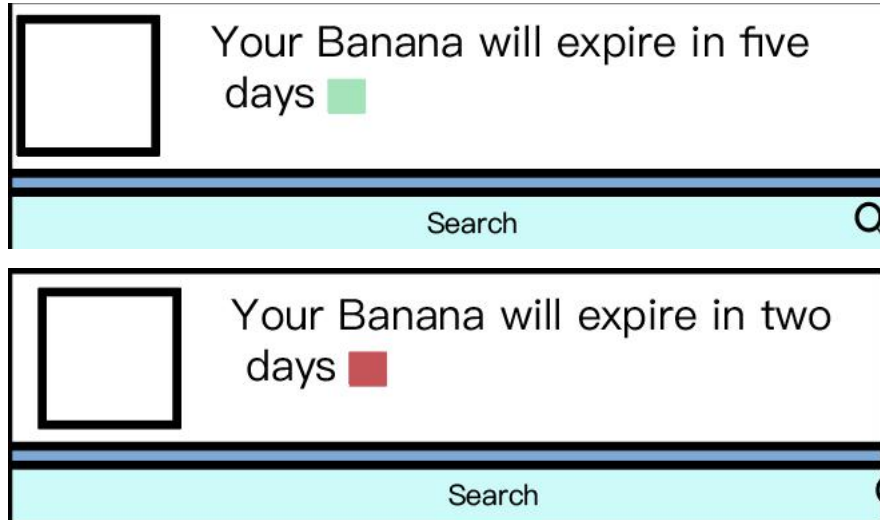
If the ingredients approaching the expire date, the application will send notification to users.

My refrigerator

Fruits	
Meats	
Diary	
Vegetables	
Seafoods	

☐ Watermelon

☐ Grape

☐

☐

☐

☐

☐

Ingredients   Recipes   Health Report

When user click the refrigerator button, this page will be display, and the ingredients will be classified by five categories.

My cupboard

Staple food

Chinese

Japanese

Others

Snacks

Picture of the ingredients

Noodles

Ingredients

My recipes

Health Report

This is the cupboard page.

My Ingredients

Name

Insert picture

Western
Chinese
Others
Japanese/Korean

Protein

Carbohydrate

Fat

DF

Vitamin A

Vitamin B

Vitamin C

Vitamin D

Vitamin E

Calcium

Phosphorus

Sodium

Potassium

Magnesium

Iron

Best Before

xx.xx.xxxx
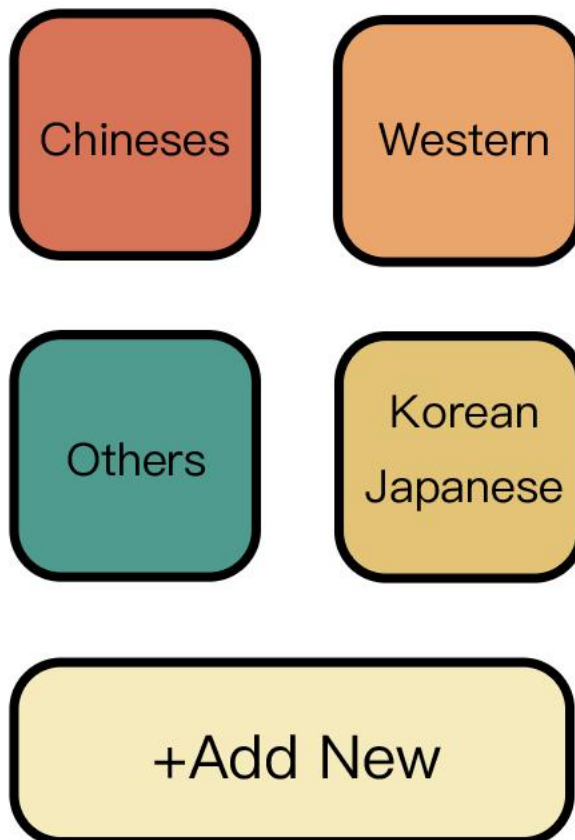
Save

Ingredients   My recipes   Health Report

This is the detail of ingredients page. In this page, user could see the all details, type and expired date, and it was allowed modify.

My Recipes

Search 🔍

Chineses

Western

Others

Korean Japanese

+Add New

Ingredients My Recipes Health Report

The home page of the recipes and categorized by four types.

My Recipes

Staple food

Meat

Vegetable

Seafood

Dessert

Insert Picture

Tomatoes fried Egg

Essential：Tomatoes、Egg、Sault

Optional：white liquor

Ingredients

My Recipes

Health Report

When user click one type of the recipes, this page will be displayed, Every style of foods also can categorized by five types by ingredients, which are staple food, meat, vegetable, seafood and dessert.

My Recipes

Name

Type procedures

Insert picture

Procedures

Insert picture

Select type

Western	
Chinese	
Others	
Japanese/Korean	

Ingredients   My Recipes   Health Report

If user want to add the recipes by themselves, they could click add button, and type the name and procedures, insert picture and select the type.

Health Report

Intake

Protein

Carbohydrate   Calcium

Fat   Phosphorus

DF   Sodium

Vitamin A   Potassium

Vitamin B   Magnesium

Vitamin C   Iron

Vitamin D

Vitamin E

Advice

Ingredients   My Recipes   Health Report

This is the weekly health report page. The system will calculate the all foods they intake and give the suggestions.