

TEAM  
#FFFFFF



# MY FRIDGE

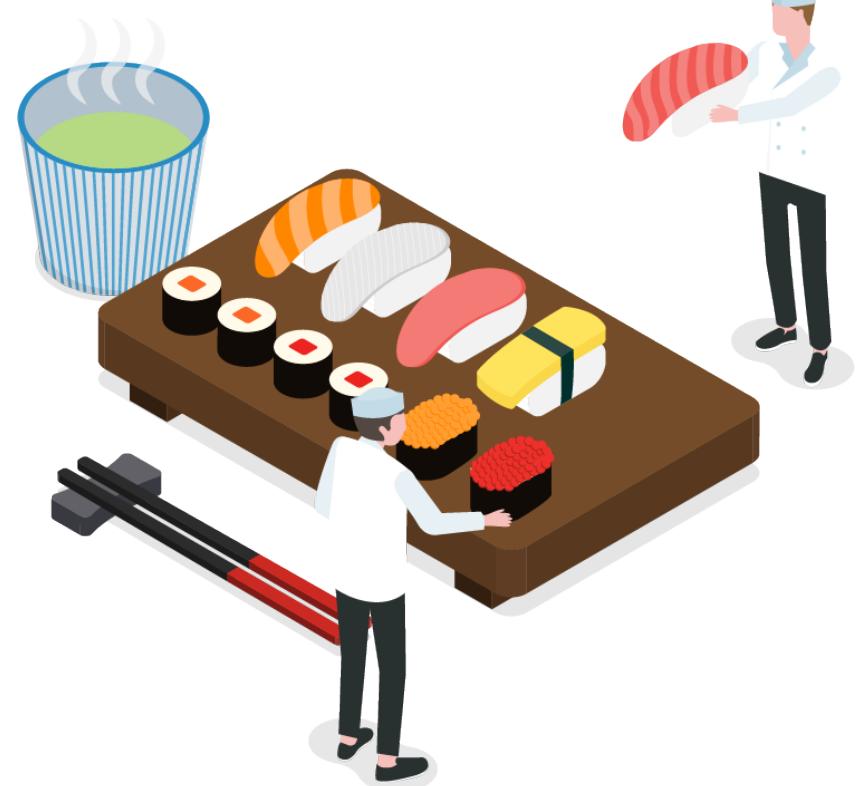
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Do you always drop the  
expired food from fridge?



Keep food in fridge not in garbage



# Research: Food Waste

\$31  
billion

worth of food is  
wasted in Canada  
each year

47%

of food wasted in  
Canada occurs at  
home

\$28  
dollar

households' average  
waste of food each  
week

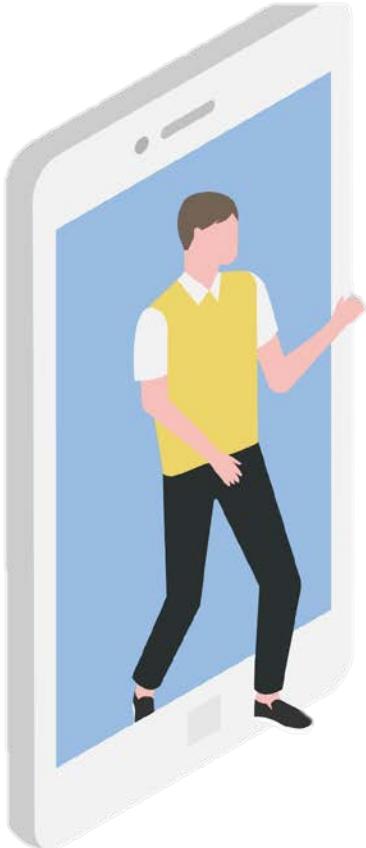


# Research: Food Safety

Refrigerator is a breeding ground for bacteria

Even at refrigeration temperature ( $4^{\circ}\text{C}$ ), food poisoning microbes and psychotropics microbes could still grow at a slow rate.

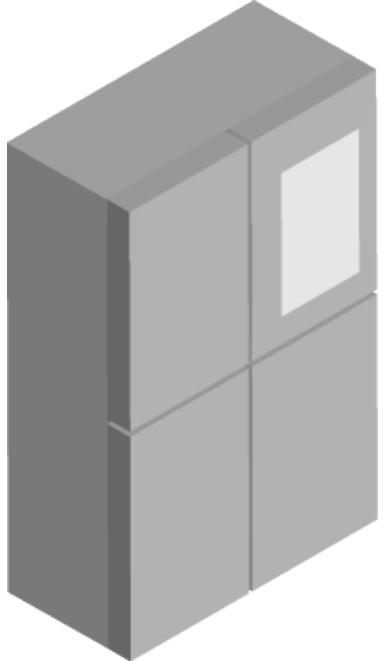




“ I've seen slimy and moldy food, bags of stuff that they've forgotten and that are disintegrating. ”

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Emma Young  
from Australia



## User's Pain Point

- Not sure of quantity purchased
- Forgetting about expiration date
- Not aware of food quality change
- Repeat purchasing



# Our Goal: Health Sustainability

A sustainable health system that is achieved by  
delivering improved public health without exhausting  
natural resources and causing ecological damage.



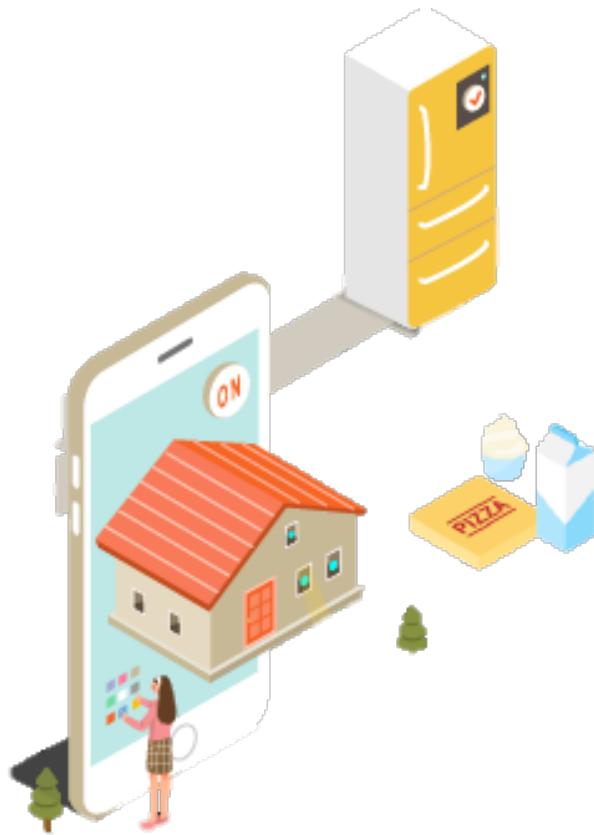
# Reduce Food Waste

- Contribute to environmental sustainability
- Avoid repetitive purchasing
- Avoid throwing away food due to quality change

# Keep Healthy Diet

- Monitor food quantity & safety
- Dietary tracking
- Record input & output of fridge
- Nutrition suggestion

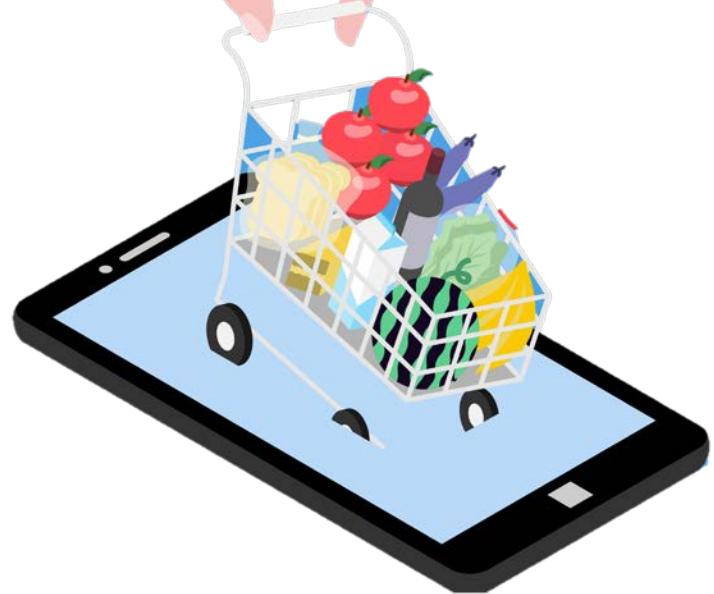




# Ideation

A user-friendly phone app that monitors food items in fridge

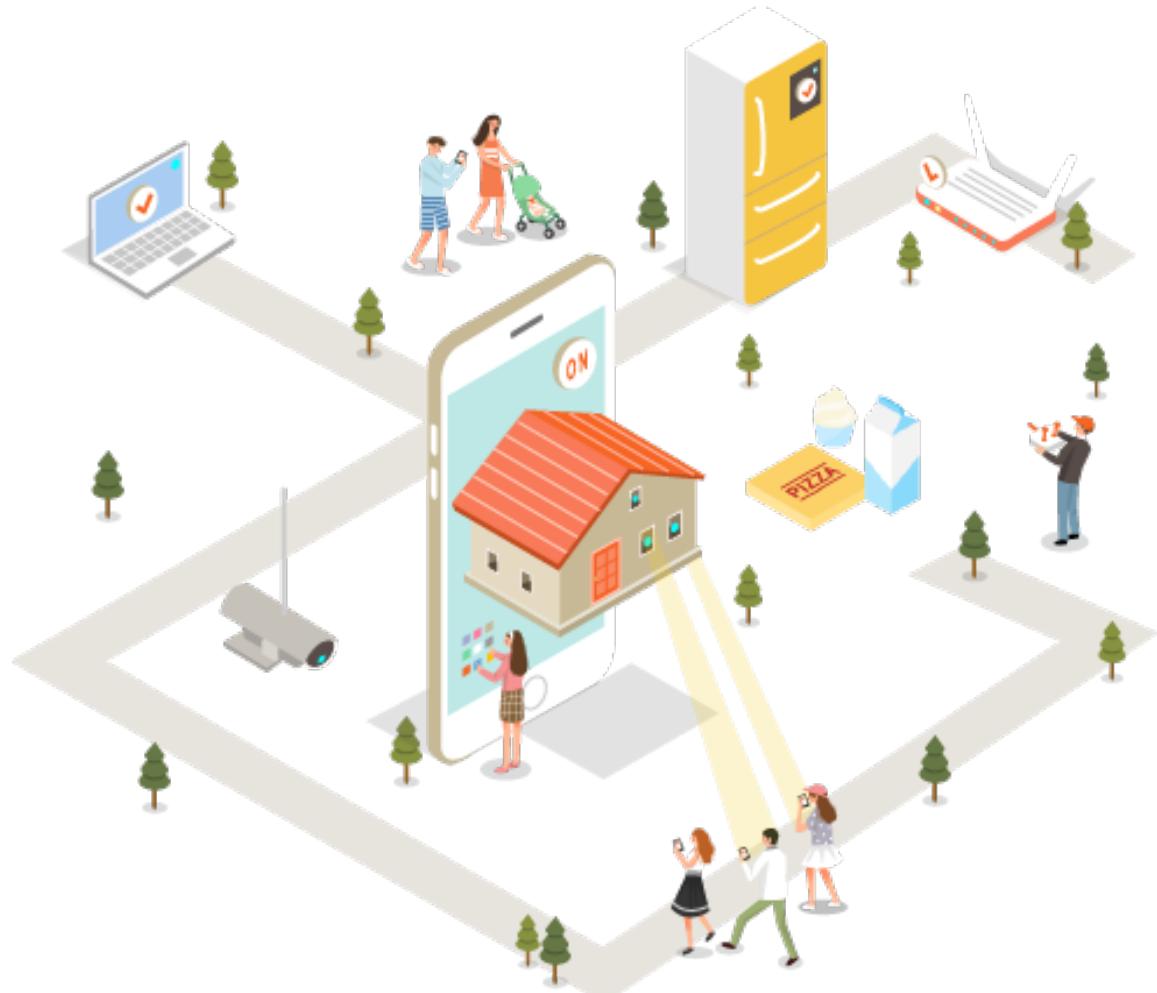
1. Record food items in, food items out
2. Provides expiry dates, sends notifications to consumer
3. Generate food intake data, nutrition tracking and modification in diet planning



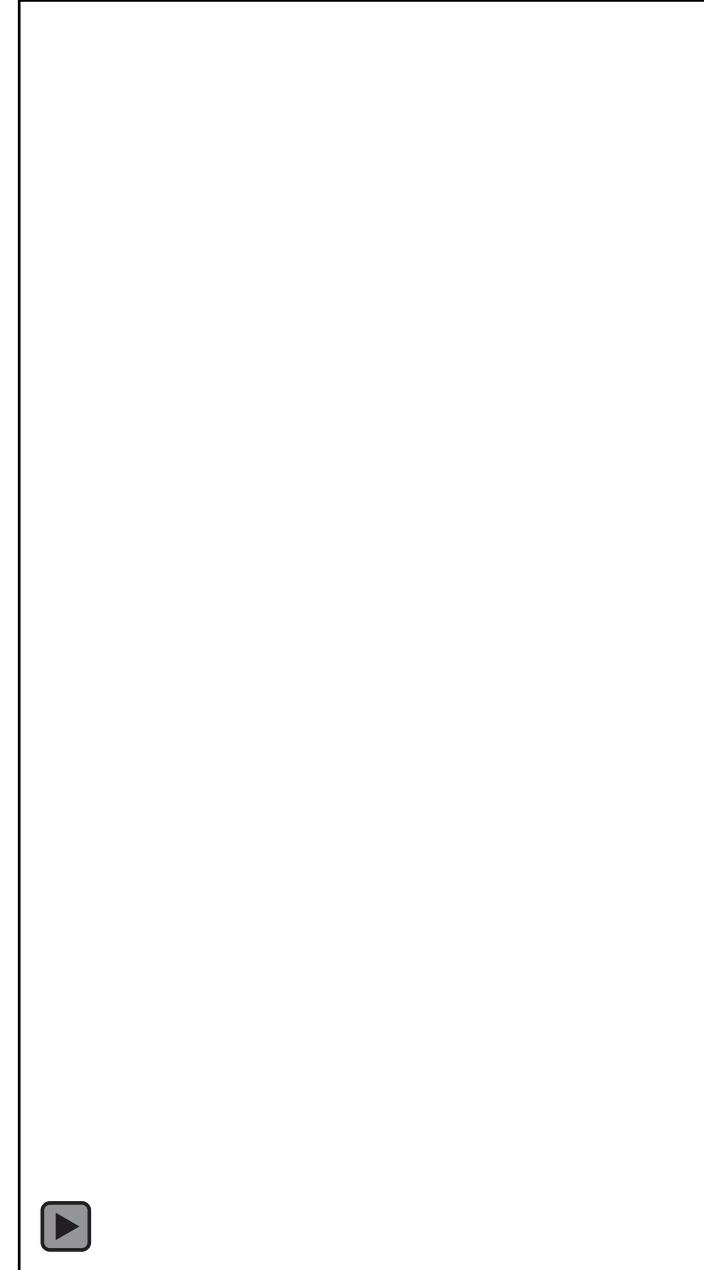
-Catalog Food Quantity

-Monitor Food Quality

-Plan Healthy Meal



**Prototype**  
-Adobe illustrator, Adobe XD





# Code

back-end: .net, C#, entity framework,  
split, deployed as a web API to azure  
front-end: react native, expo



Thank You!