

Shopping Reminder

A-16:関東連合

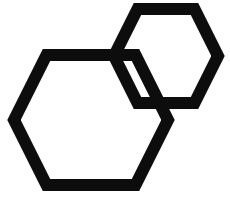
Ichihara Rokuro

Kuroki Hinako

Numata Haluka

Kato Toranosuke

Kimura Shunta



Have you ever had this experience?

- Forget to buy dinner
- Running out of toilet paper



Forgetting to buy

Target Users

Living
alone

Forgetful

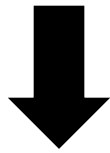


Life
routine is
constant

Shopping
on the
way home

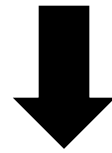
Elemental Decomposition of Forgetting to Buy

Forget to go to
a store



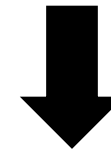
Remind at the
nearest station,
etc.

Forget to buy
a certain item



Display
shopping list
by store

Forget that you
need to buy



Notification
within a certain
period of time
from the date of
the last purchase

Function

Remind at the nearest station

- Register a notification location
- Notification at the reminder location
- Get a list of stores to go to

Display shopping list by store

- Notification when you arrive at the store
- Shopping List Registration
- Display of store shopping lists
- Purchase processing
- Store Location Registration

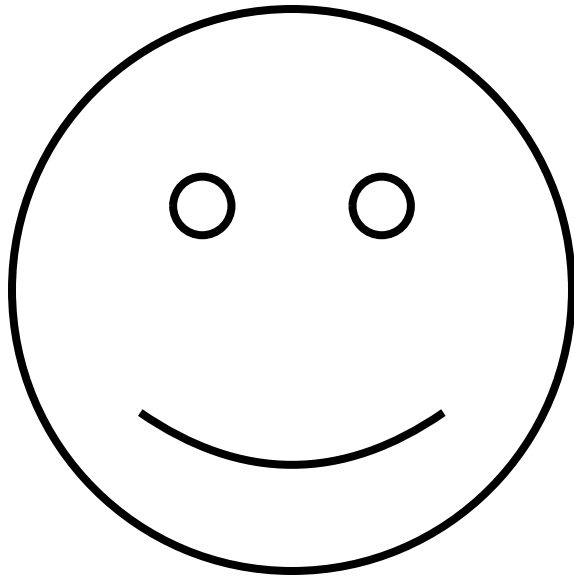
Notification within a certain period of time

- Periodic notification of when to purchase
- Setting whether to send periodic notifications
- Display of remaining days
- Purchase Interval Registration

Demo

Demo

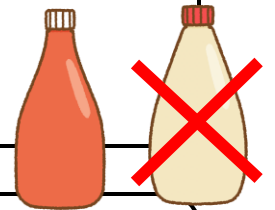
Morning @ Home(Yokohama)



Kanto-Rengo-kun

I'm in charge of dinner today!
I have to go shopping after work.
But I'm afraid I'll forget what to buy.
Okay, I'll use the 'Shopping Reminder' to write it down.

First, I'll go to Super Marusen and buy ketchup and mayonnaise
...oops, I didn't need mayonnaise.



Then, I want to get a notification at Yokohama Station when I return home!



Demo

After work...

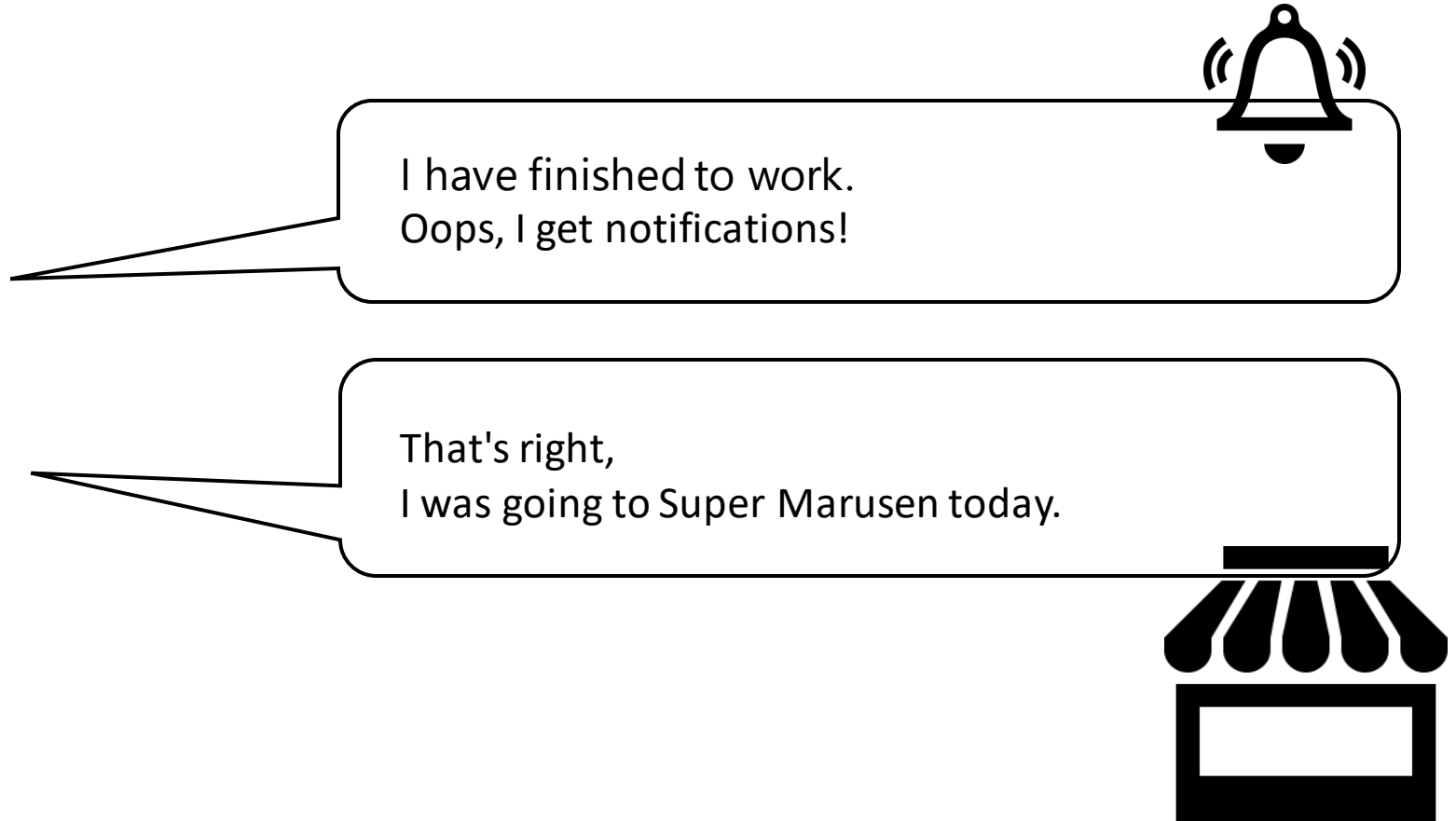
Demo



Evening @ Company → Nearest Station(Yokohama Sta.)



Kanto-Rengo-kun



Demo

Evening @ Local Supermarket "Super Marusen "(Yokohama)



Kanto-Rengo-kun

At Super Marusen, what I have to buy is onions, nutmeg, meat, and so on.



Demo

Evening @ Local Supermarket "Super Marusen "(Yokohama)



Kanto-Rengo-kun

This high-end nutmeg is a great product!
I will buy this regularly from now on!
I don't want to forget when to buy.

SUBSCRIBE



Demo

Another day...

Demo

Evening @ Home(Yokohama)



Kanto-Rengo-kun

I got a notice of the subscription I registered the other day!
Oh, I need to buy ink for my printer soon.

I can see the purchase list of the products I want to subscribe to!
What a great app!

End

System Design

Framework

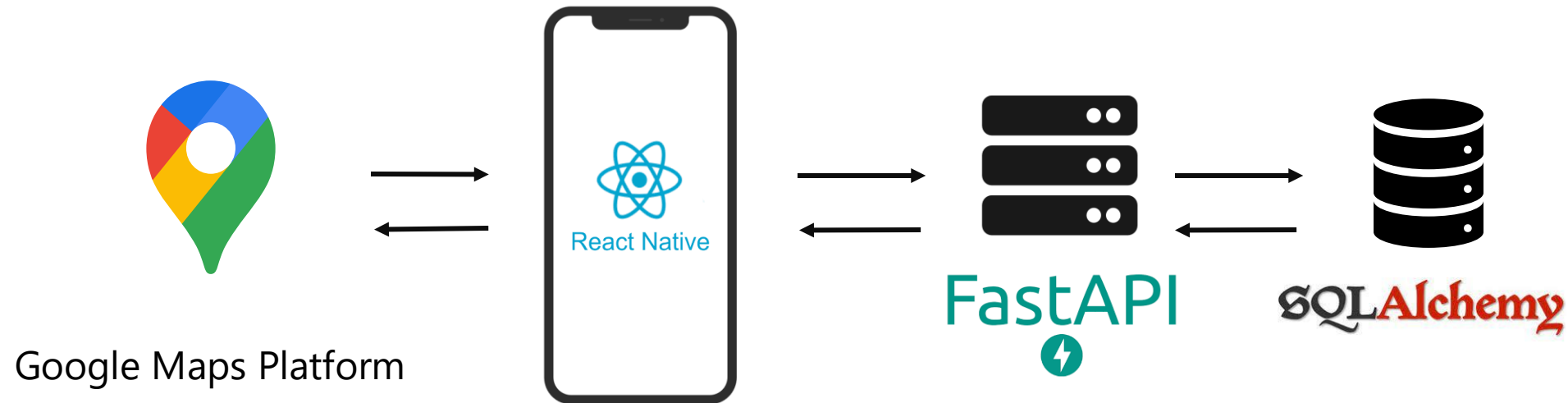
- Mobile : React Native
- Backend : FastAPI, SQLAlchemy

Programming Language

- Mobile : JavaScript
- Backend : Python

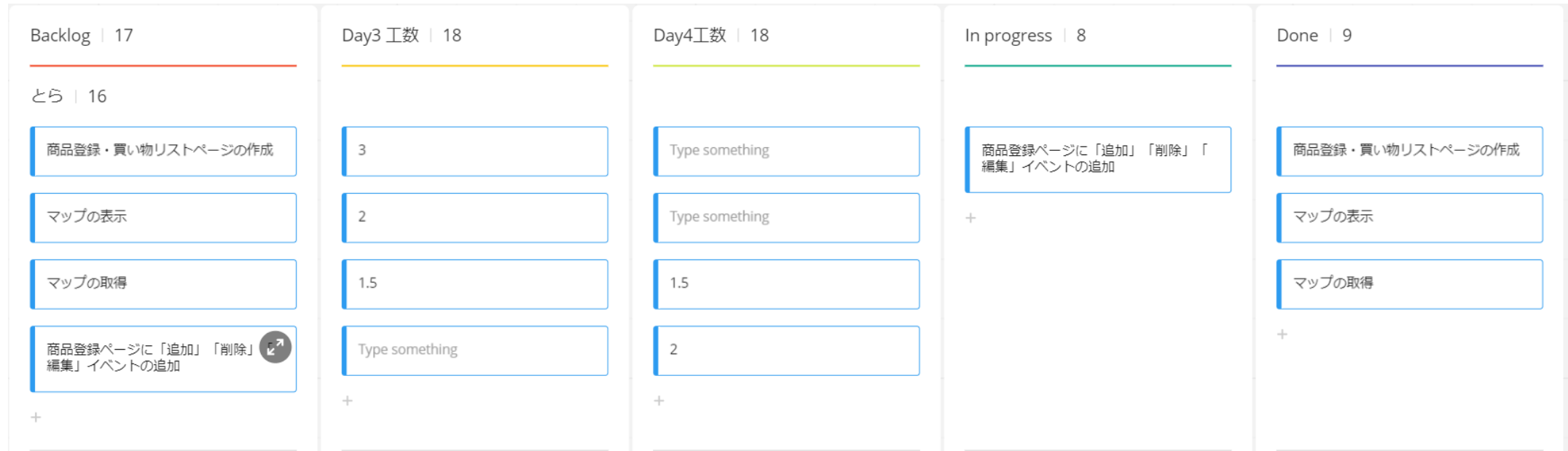
Develop Environment

- Emulator : iOS emulator
- Version control system : Git/Github



Member Roles / Schedule

- Kuroki Hinako : **Mobile**, Implementation of UI, Notification, Current position acquisition
- Kato Toranosuke : **Mobile**, Implementation of UI, Display map
- Ichihara Rokuro : **Mobile & backend**, Merging of source code,
- Numata Haluka : **Backend**, Create table, post (Registration)
- Kimura Shunta : **Backend**, get (Search)



How to Proceed with Development

- There was a lot of inexperienced technology
 - pair programming
 - Assigned leaders in charge of both back and front office
- Regular meetings between
back-end and front-end teams

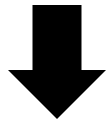


How to Proceed with Development

Figma is used to study the UI



- Individual understandings of the application do not match.



- Visualize the complete picture of the application
- Share implementation progress



Reflections on Development

- Failure to consider communication protocols the when determine the technology used.
 - Android, iOS : HTTPS <--> Fast API:HTTP
- Lack of consideration of detailed specifications and screens
 - Due to the delay in sharing the specification changes, some API had to be redesigned on the back-end side.
- Lack of simulation of user behavior (ex. Notification triggers)
 - "Shinagawa Sta." -> When going to work / When returning home
 - "Shinagawa Sta.", "4pm-7pm" -> When returning home

Potentiality

- Coupons are send from registered stores Monetizing
- Register products for purchase while browsing leaflets Monetizing
- Register products by JAN codes with the API of Yahoo! Usability
- Link with Twitter and Instagram Usability
- Make a language multilingual Accessibility

Thank you !