

VISQUIT

(Voice IS a Quite Universal Interactive Tool)

- Ordering Service Using AI NUGU Speaker -



Team Fallen Mapo Bridge

2014005414 Kim Jung Mo

2014026208 Lee Hyo Sik

2016026599 Hwang Sung Woo

2017029134 Lee Ha Min

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1. Abstraction

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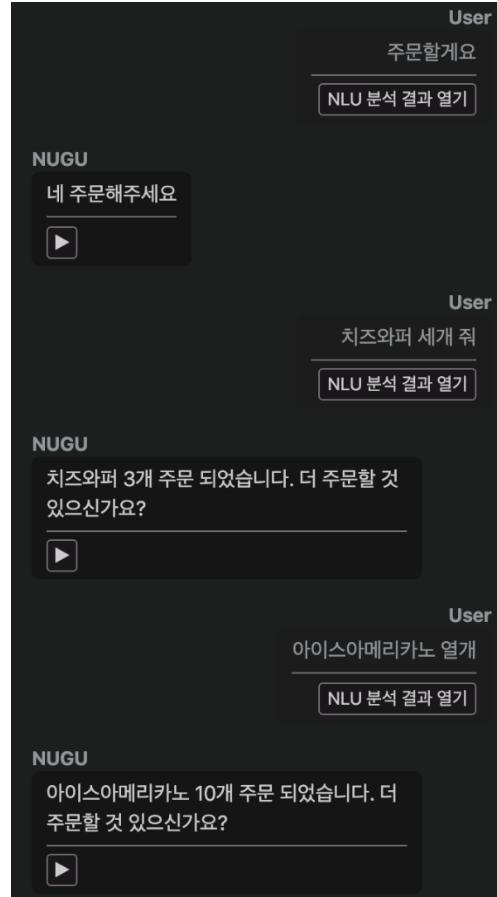
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1. Abstraction



Abstraction



We want to create an order system using NUGU speakers.

We thought there was a problem with the order system at present, and we used the NUGU speaker to improve it.

As a result, through our ordering system, store custmer can easily place orders with NUGU speakers , with voice. Store owners want to provide services that can benefit from reduced labor costs.

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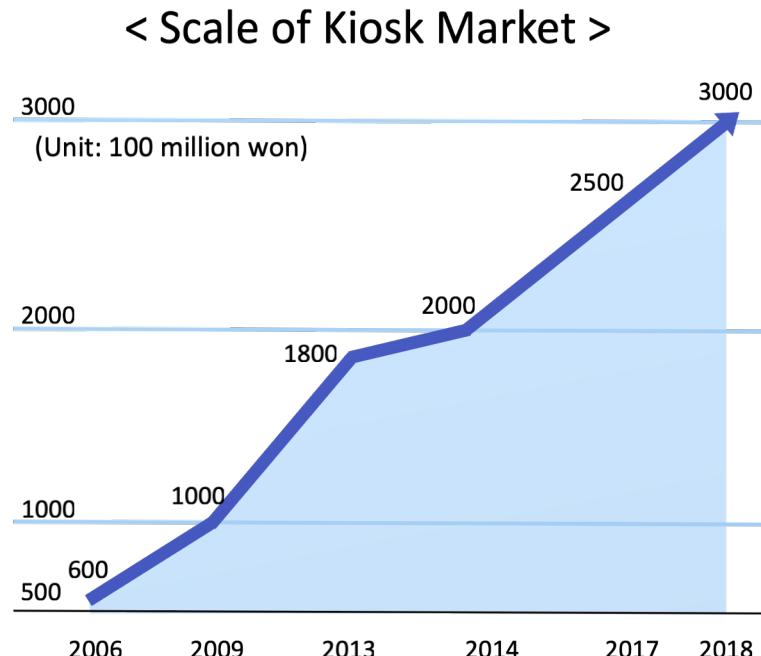
6. Things to Improve

2. Problem Analysis



Current situation

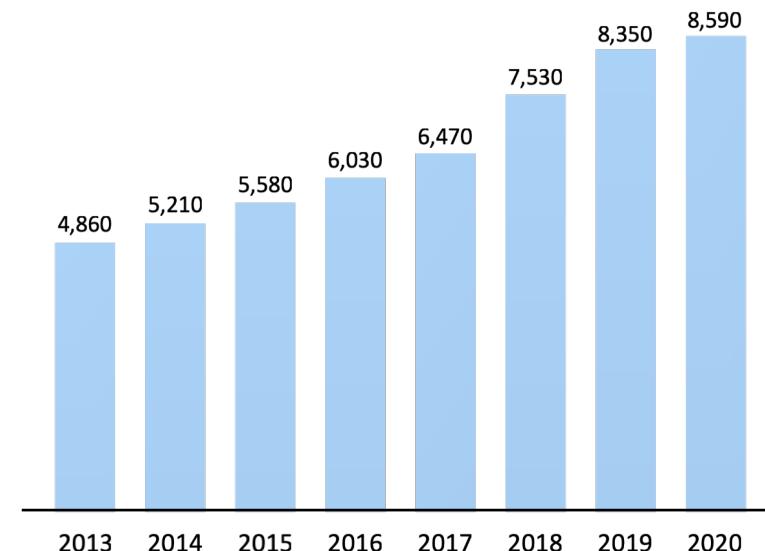
✓ Increasing Kiosk Usage¹⁾



So many stores are using Kiosk
instead of clerk

✓ Why use Kiosk²⁾

< Increasing Minimum Wage >



To reduce labor costs

2. Problem Analysis



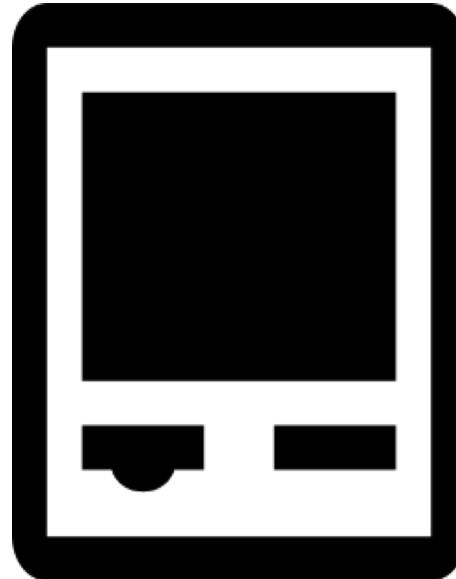
Problems

- ✓ Cost problem

Buying Kiosk



At least 1 million won



Borrowing Kiosk

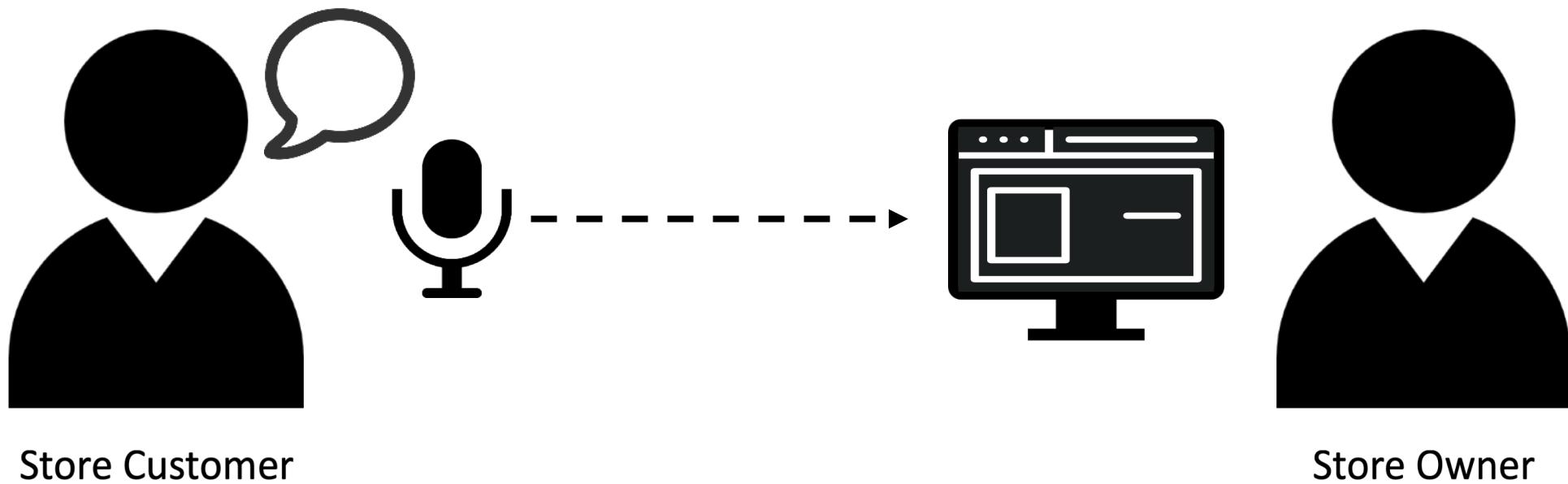


80 thousand won per month

The cost of buying kiosk is still burdensome
for small stores

2. Problem Analysis

Solution

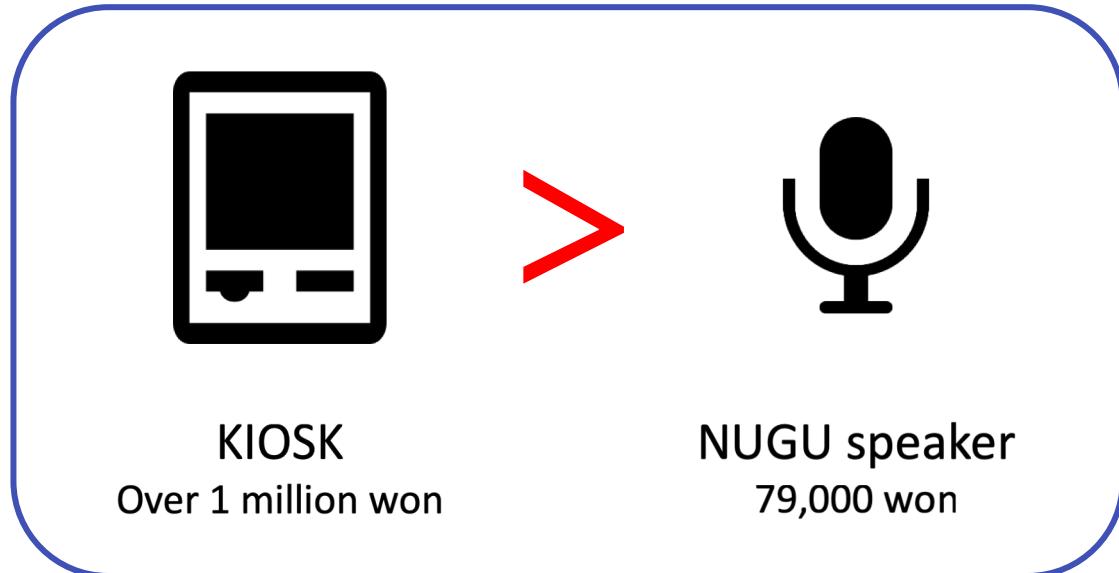


2. Problem Analysis



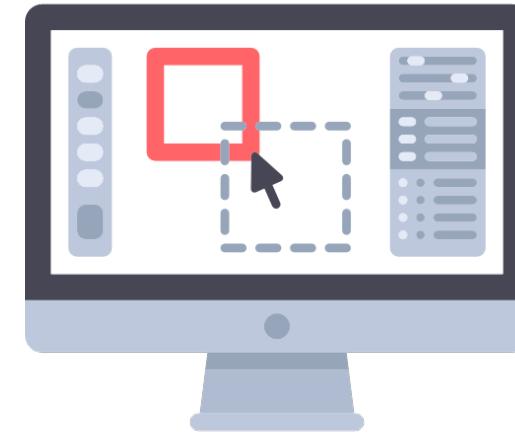
Expected effect

✓ Cost problem



With NUGU speaker,
store owners could reduce cost

✓ Usability of Owner



With Web pages,
store owners could manage menus easily

1. Abstraction

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3. Idea



Functions

✓ For customer



We provide NUGU speaker
to customer who orders.

With NUGU speaker customers can order
and ask questions about menu.

✓ For store owner

VISQUIT PoS



메뉴 관리



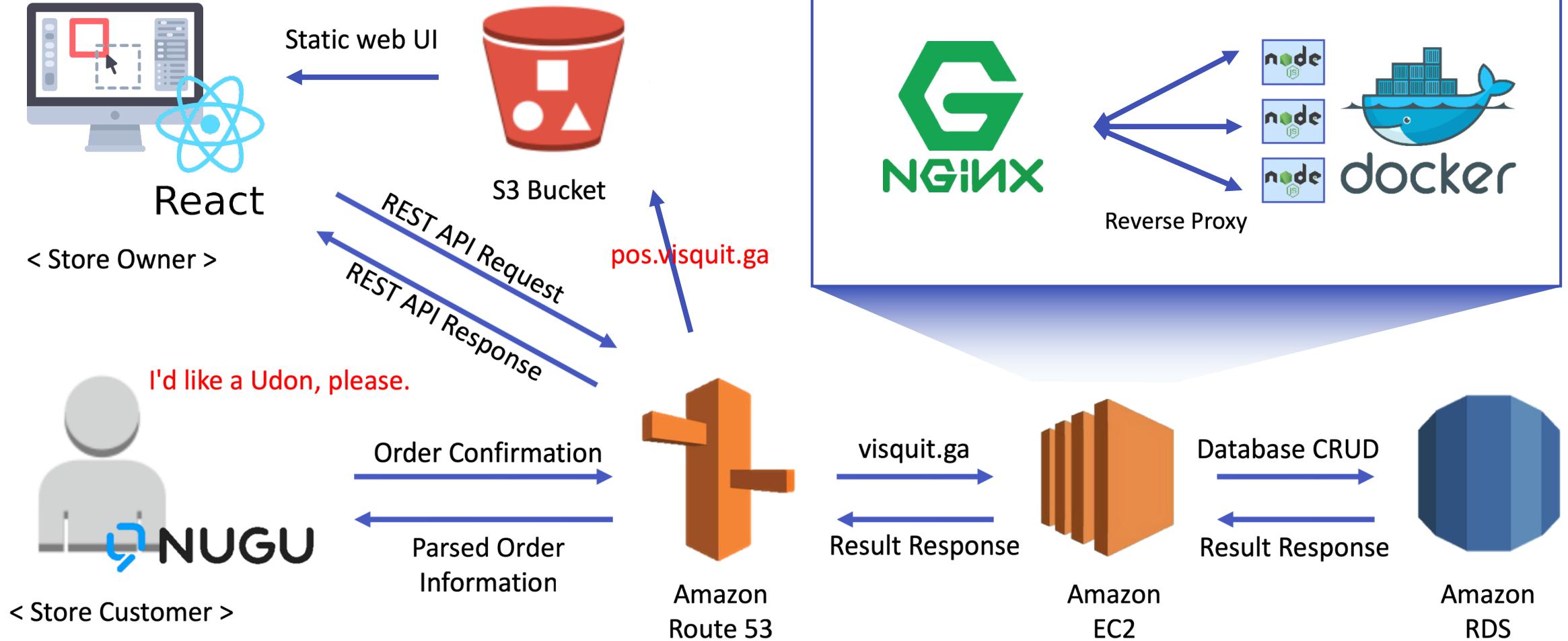
주문 확인

We provide web pages
to store owners.

With web pages store owners can
update menus and check orders.

3. Idea

Architecture



1. Abstraction

2. Problem Analysis

3. Idea

4. Implementation

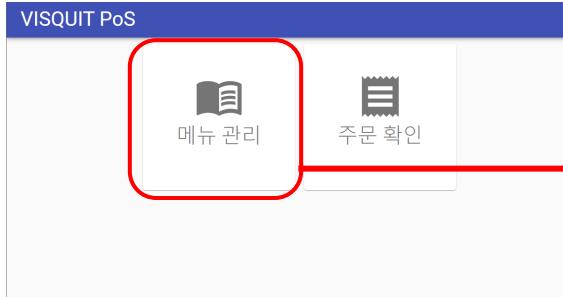
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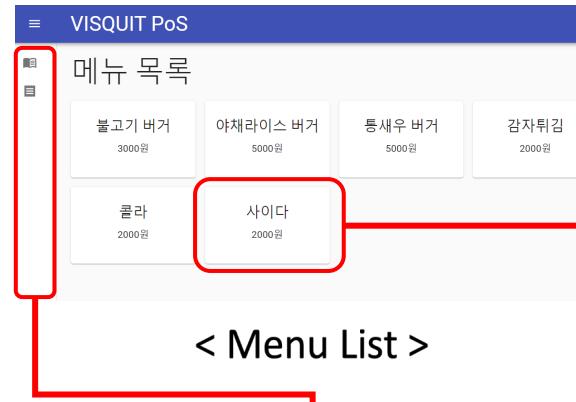
4. Implementation



User Interface - Menu modification



< Main >



< Menu List >



< Modify Menu >



VISQUIT PoS

메뉴 목록

새 메뉴 등록

주문 확인

현재 주문 목록

처리 완료 주문

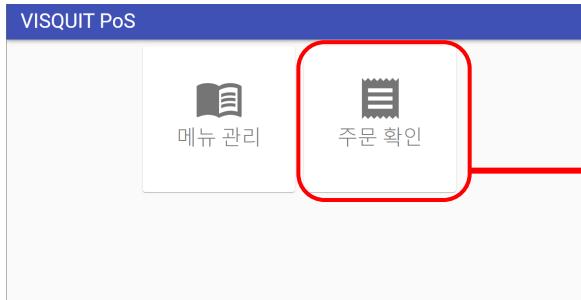


< Add Menu >

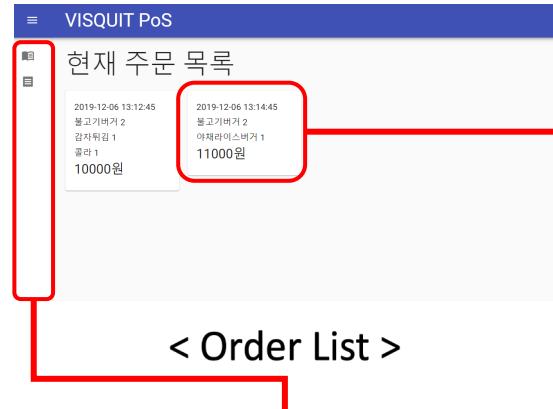
4. Implementation



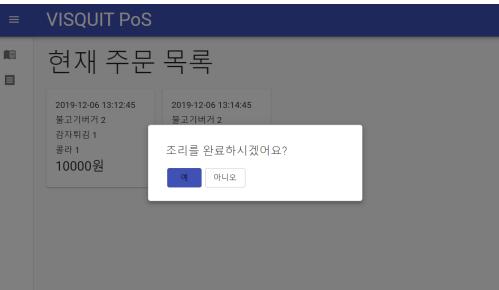
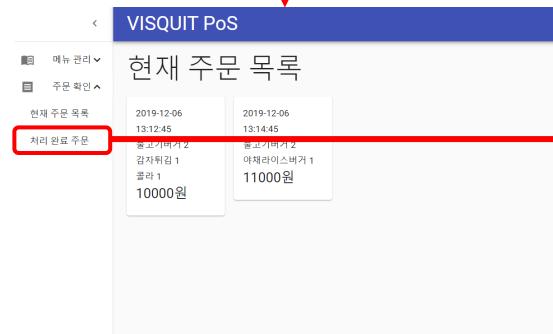
User Interface - Order History



< Main >



< Order List >

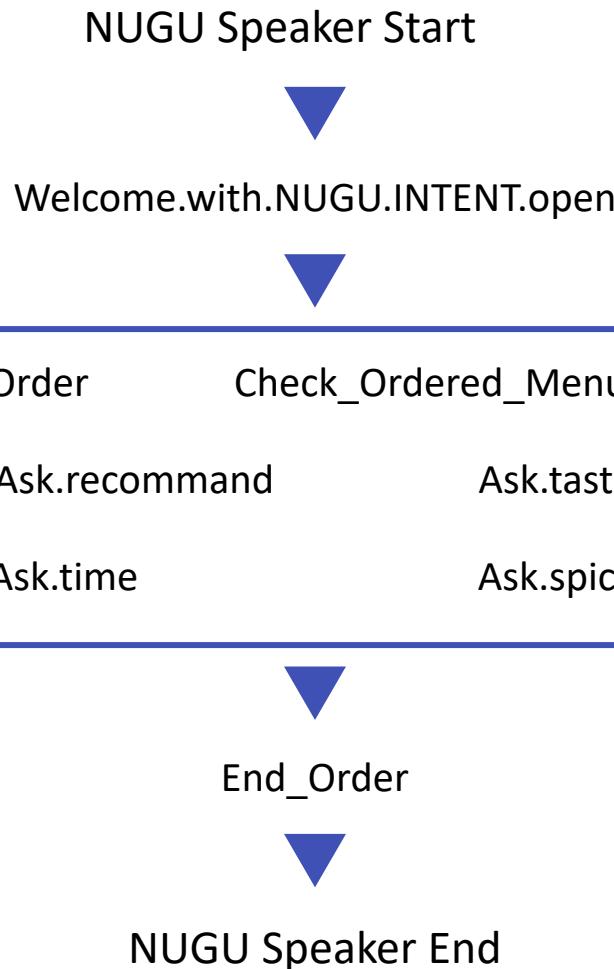


< Change Service Status >



< Order History >

4. Implementation



- **Welcome.with.NUGU.INTENT.open**
: Speaker is activated and tell customer to order.
- **Order**
: Order by menu and it's quantity.
- **Check_Ordered_Menu**
: Confirm what is ordered through order_id.
- **Ask.recommend**
: Recommend the most popular menu in recent days.
- **Ask.taste**
: Ask whether the food is salty or not.
- **Ask.spicy**
: Ask whether the food is spicy or not.
- **Ask.time**
: Ask how long the cooking time of the menu will take.
- **End_Order**
: Terminate an order.

1. Abstraction

2. Problem Analysis

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4. Implementation

5. Demo

6. Things to Improve

6. Demo



1. Abstraction

2. Problem Analysis

3. Idea

4. Implementation

5. Demo

6. Things to Improve

6. Thing to Improve

- ✓ NUGU Speaker Performance Problem: Noise Filtering
- ✓ NUGU Speaker 1 order 1 menu problem
- ✓ Update Menu Problem

Q & A

Thank You