

# Group 3

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# Food Aid during COVID-19

- Increase in door-to-door delivery
- Abundance of charity organisations
- Logistically complex process
- Manpower constraints



# Food Aid during COVID-19

- Increase in door-to-door delivery
- Abundance of charity organisations
- Logistically complex process
- Manpower constraints





Huge **focus** on  
getting the  
food to its  
destination

Why is this a problem?

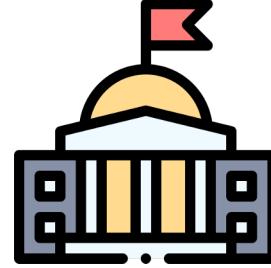
## Beneficiaries



## Charity Organisations



## Government



### Needs:

- Food aid support

### Pains:

- Individual needs are not met
- Excess food at home
- Unable to clean home independently

### Needs:

- Ensure that food aid is provisioned

### Pains:

- Difficult to coordinate with other charities
- Difficult to organise manpower
- Tedious logistical process

### Needs:

- Ensure equal food security

### Pains:

- Large amounts of food waste generated
- Underserved regions

“Why is there no central database that indicates if this person has already received food from an organisation?”

**—NIZAR MOHD SHARIFF, founder of Free Food For All**



An integrated platform to simplify  
logistics and provision of analytics

# Proposed User Journey

01

Charity organisation A registers for an account

02

Linked to MSF database of beneficiaries

03

During planning phase, posts plans to the system includes:

- Type of aid provided (food, groceries etc)
- Time and date of provision
- Expected duration the food to last for

04

Volunteers head down to the beneficiaries and check in to indicate that they've sent supplies to these places

03

## Planning phase

Demo

oneCharitySG

USERNAME

PASSWORD

LOGIN

OUR BENEFICIARIES

CLICK TO OPEN MAP

UPDATES

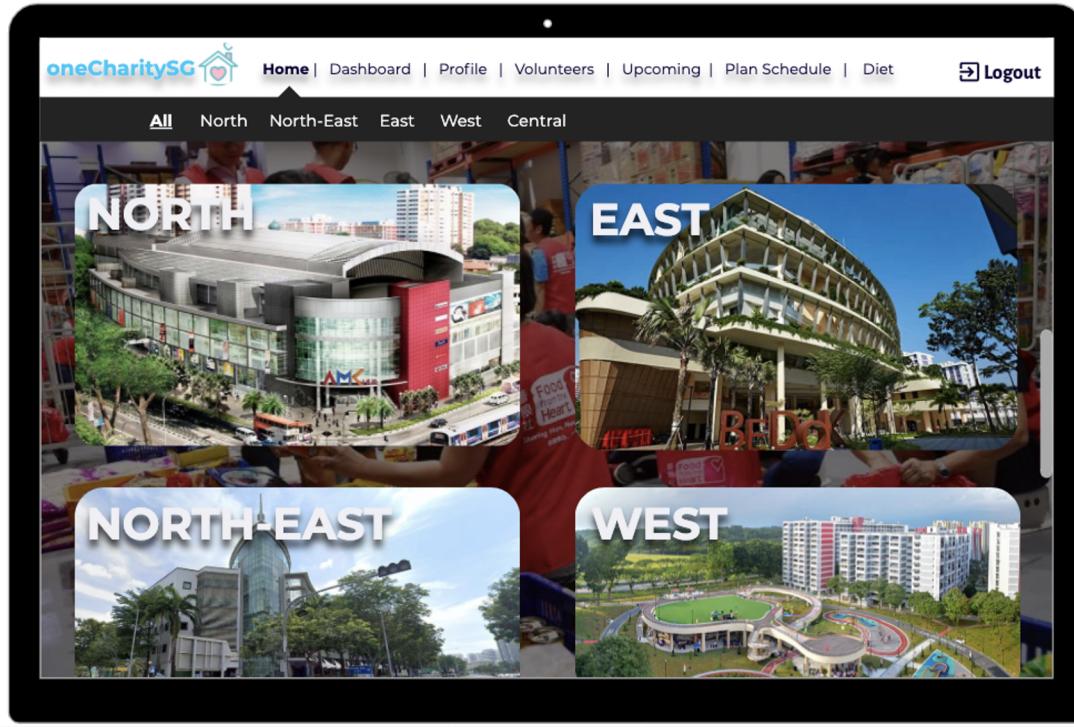
1. Weekly maintenance Scheduled for 31 September 2020, 2am - 4am.
2. Message from our team.
3. Click here for useful resources.

- Login
- Updates
- Map interface

# 03

# Planning phase

Demo

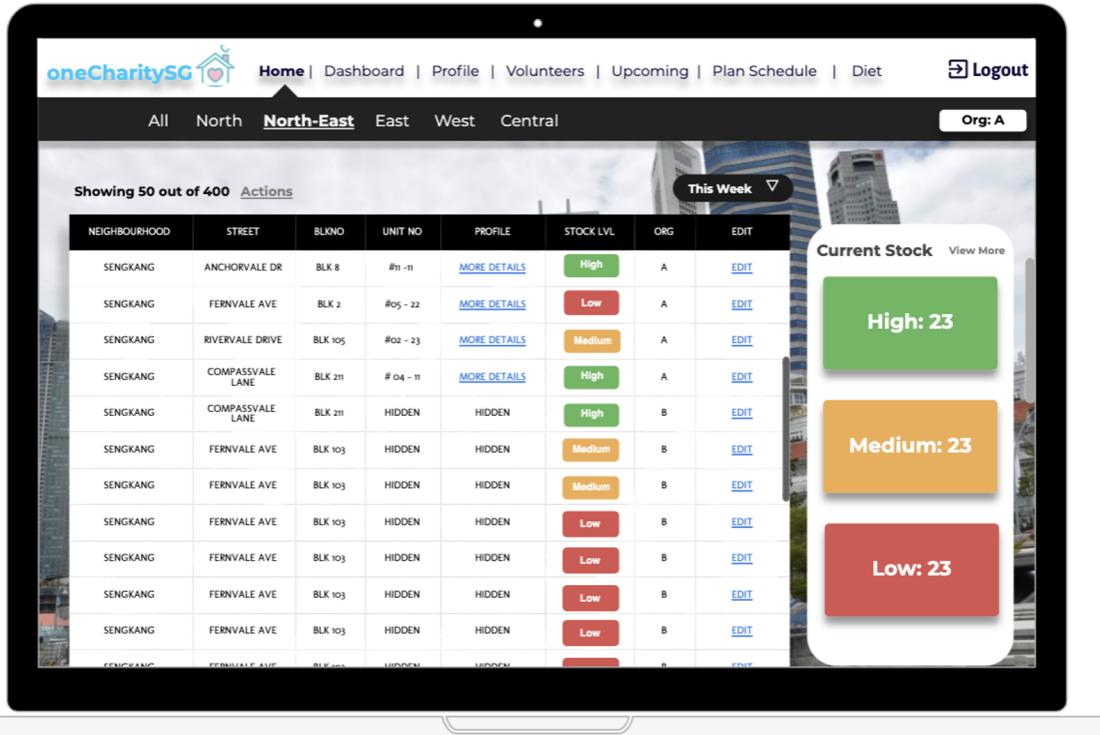


- Region category
- Status view of beneficiaries

03

# Planning phase

Demo

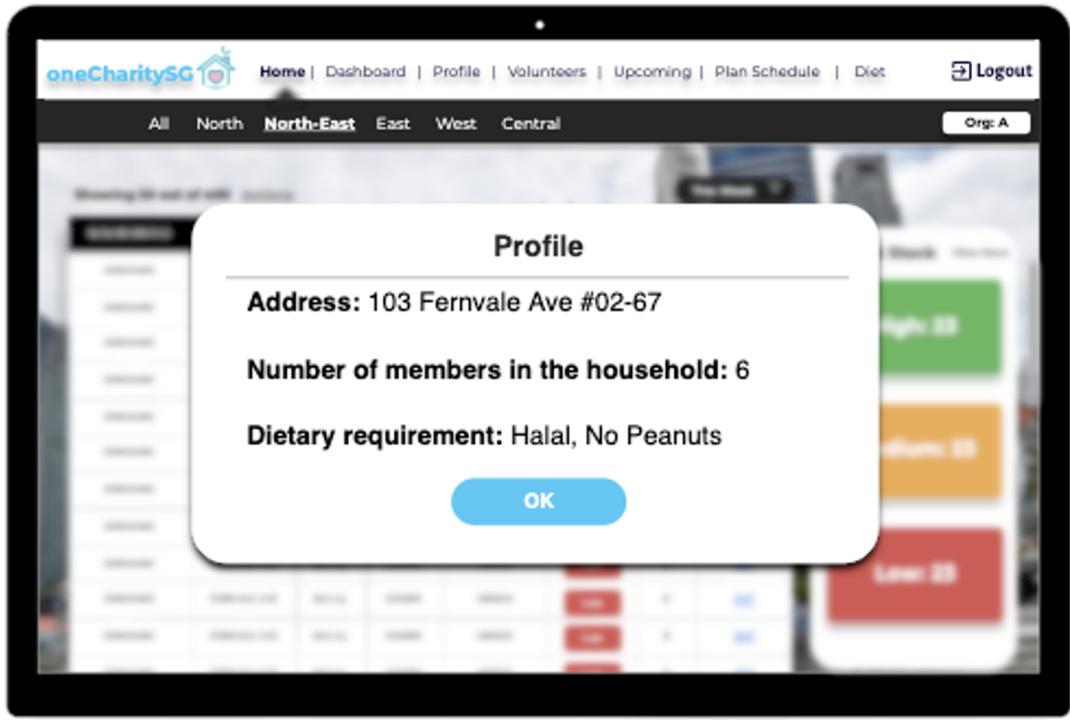


- Categorised dashboard
  - Estimated status of supply left

03

## Planning phase

Demo

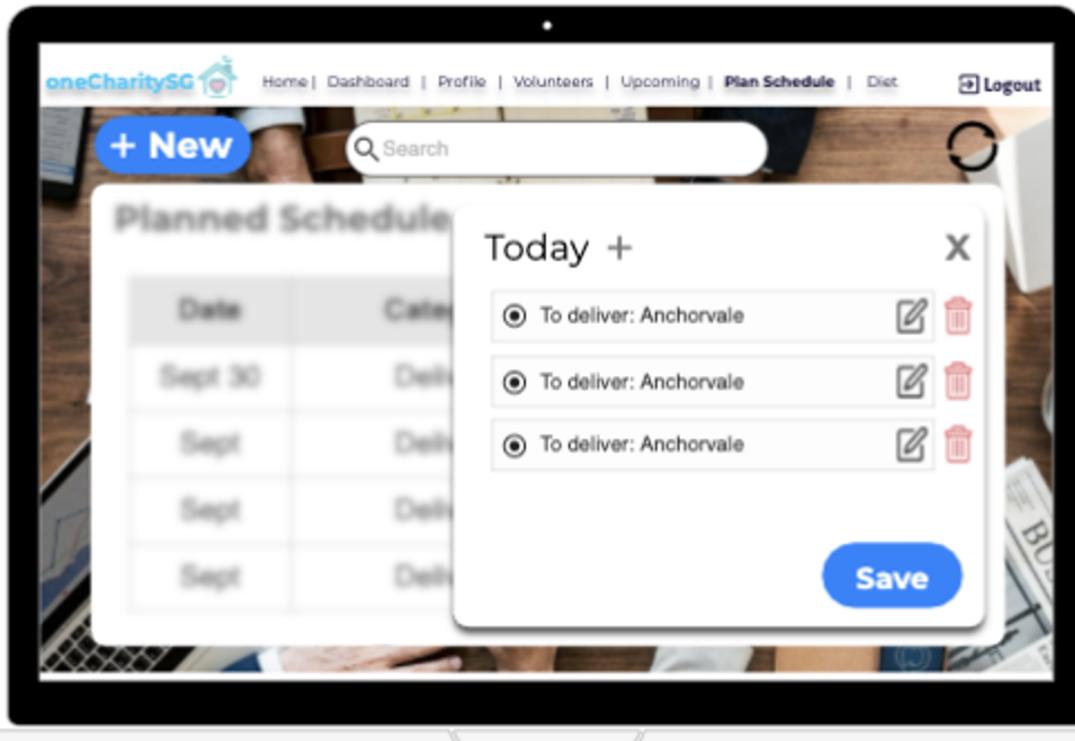


- Additional details
- Hidden from other organisations

03

## Planning phase

Demo

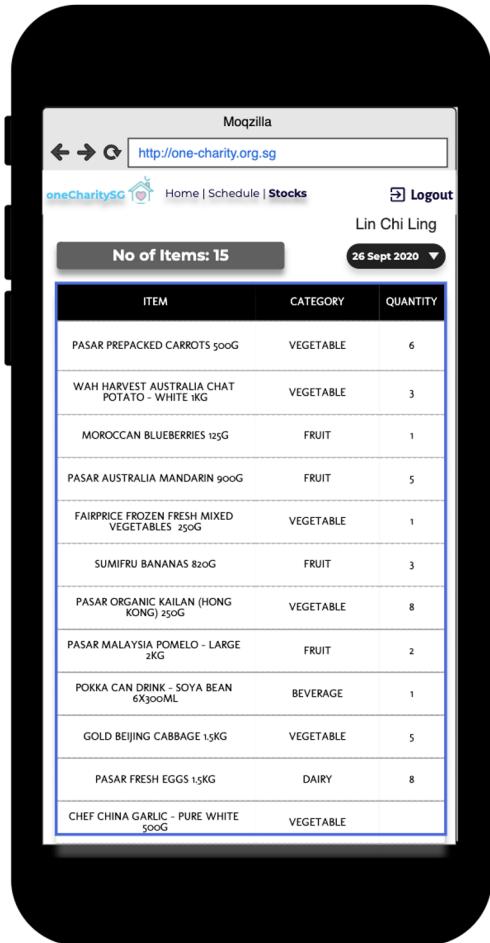


- Select households
- Schedule
- Aid provided

The screenshot shows the 'Diet' section of the oneCharitySG app. At the top, there's a navigation bar with links: Home, Dashboard, Profile, Volunteers, Upcoming, Plan Schedule, Diet (which is the active tab), and Logout. On the left, a sidebar titled 'Diet Presets' lists categories: General, Diabetics (with a right-pointing arrow), Halal, Vegetarian, and Add New (+). Below the sidebar is a background image of various fruits and vegetables. In the center, there are two columns of food items under the heading 'Diabetes Diet Food List'. The first column contains Spinach, Walnut, Cauliflower, Eggs, Tofu, and Vitasoy. The second column contains Chicken, Apple, Oat Meal, Skimmed Milk, and Canned Tomatoes. To the right of these lists is another sidebar titled 'Ingredients' containing a list of items: White Rice, Noodles, Bread, Nuts, Banana, Apple, Maggi, Apple, Pear, and Rice.

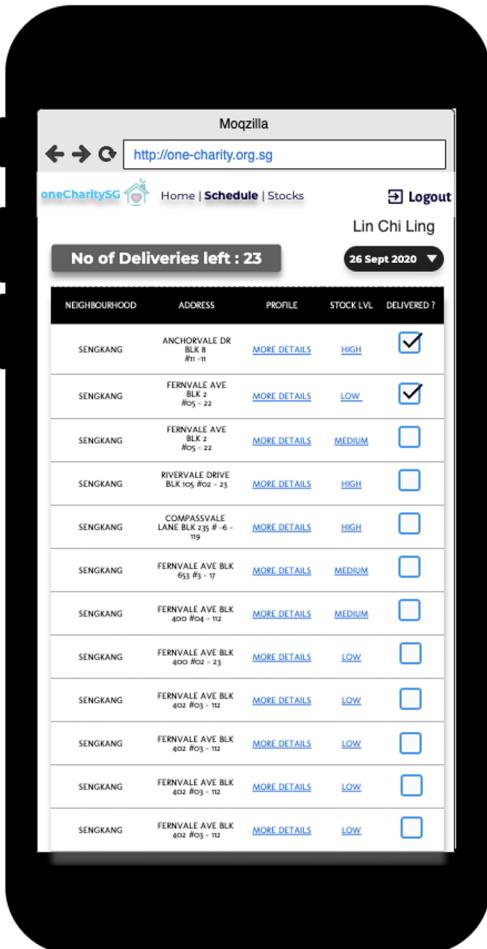
- Type of aid provided (food, groceries etc)
- Time and date of provision
- Expected duration the food to last for

# Volunteers



- Assist in gathering stocks
- Assist in packing and sorting

# Volunteers

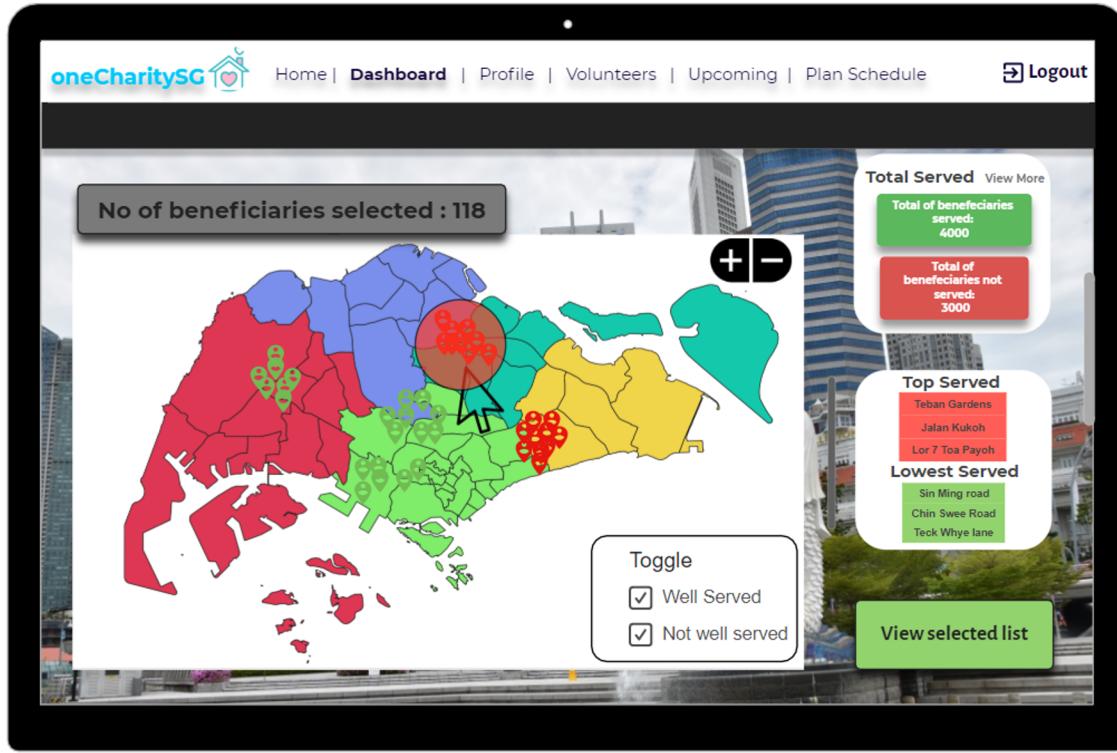


- Assist in delivery
- Check in to indicate that they've sent supplies to these places

# 04

## Analytics dashboard

Demo



- View which beneficiaries is underserved / overserved
- Select beneficiaries to view data

# 04

## Redirect to list

Demo

The screenshot shows a tablet displaying a web-based application for managing charity data. The header includes the logo 'oneCharitySG' with a house icon, navigation links for Home, Dashboard, Profile, Volunteers, Upcoming, Plan Schedule, Diet, and Logout, and a dropdown for 'Org: A'. The main content is a table listing 15 rows of data, each with a checked checkbox in the first column. The columns represent Neighborhood (SENGKANG), Street, Blk No., Unit No., Profile, Stock Lvl, and Org. A blue callout box on the right side of the table displays 'No of selected' followed by the number '881'. Below the table, a green button with white text reads 'Request Data From selected'. The background of the app shows a blurred image of a modern building.

	NEIGHBOURHOOD	STREET	BLK NO.	UNIT NO.	PROFILE	STOCK LVL	ORG
<input checked="" type="checkbox"/>	SENGKANG	ANCHORVALE DR	BLK 8	HIDDEN	HIDDEN	HIGH	B
<input checked="" type="checkbox"/>	SENGKANG	FERNVALE AVE	BLK 2	HIDDEN	HIDDEN	LOW	B
<input checked="" type="checkbox"/>	SENGKANG	RIVERVALE DRIVE	BLK 105	HIDDEN	HIDDEN	MEDIUM	B
<input checked="" type="checkbox"/>	SENGKANG	COMPASSVALE LANE	BLK 211	HIDDEN	HIDDEN	HIGH	B
<input checked="" type="checkbox"/>	SENGKANG	COMPASSVALE LANE	BLK 211	HIDDEN	HIDDEN	HIGH	B
<input checked="" type="checkbox"/>	SENGKANG	FERNVALE AVE	BLK 103	HIDDEN	HIDDEN	MEDIUM	B
<input checked="" type="checkbox"/>	SENGKANG	FERNVALE AVE	BLK 103	HIDDEN	HIDDEN	MEDIUM	B
<input checked="" type="checkbox"/>	SENGKANG	FERNVALE AVE	BLK 103	HIDDEN	HIDDEN	LOW	B
<input checked="" type="checkbox"/>	SENGKANG	FERNVALE AVE	BLK 103	HIDDEN	HIDDEN	LOW	B
<input checked="" type="checkbox"/>	SENGKANG	FERNVALE AVE	BLK 103	HIDDEN	HIDDEN	LOW	B
<input checked="" type="checkbox"/>	SENGKANG	FERNVALE AVE	BLK 103	HIDDEN	HIDDEN	LOW	B
<input checked="" type="checkbox"/>	SENGKANG	FERNVALE AVE	BLK 103	HIDDEN	HIDDEN	LOW	B
<input checked="" type="checkbox"/>	SENGKANG	FERNVALE AVE	BLK 103	HIDDEN	HIDDEN	LOW	B

- To request data from other charity organization for collaboration

# Impact

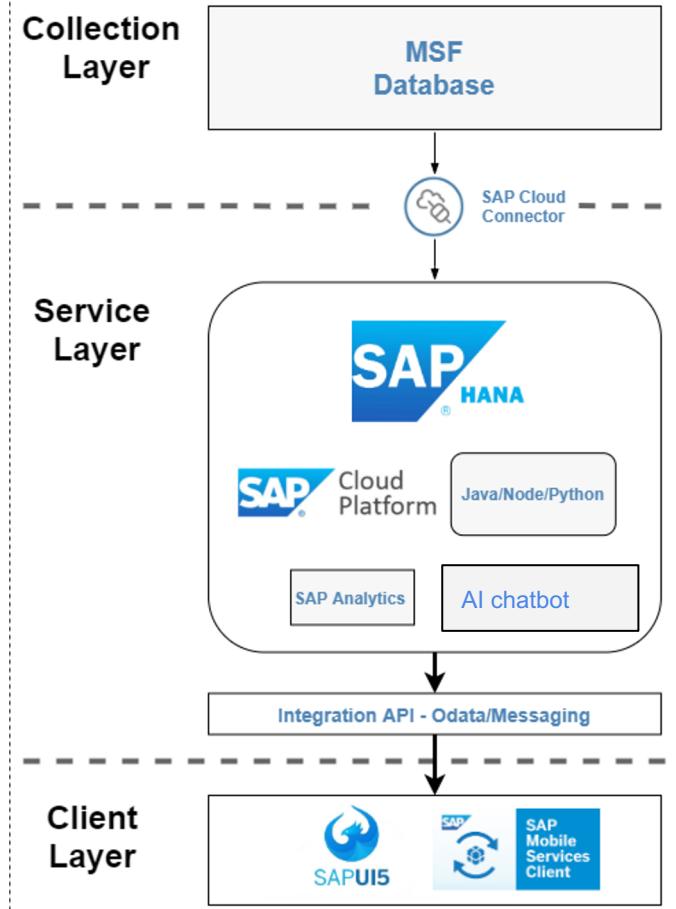
## Benefits for our stakeholders

- Increased information on people who need to receive aid
- Lesser waste
  - Allows organisations to provide to more beneficiaries when in excess of supplies
  - Prevent oversupply to overlapping areas
  - Prevent unsuitable donations
- Better planning of resources
  - Dashboard to show what has been provided already

# Proposed Architecture Diagram

- Collection Layer:
  - Sub accounts, whitelist IP
- Service Layer:
  - Relational Database, Business logic
- Integration API
  - Odata data model - query, historical
  - Messaging - up to date
- Client Layer
  - Web/Mobile

Architecture Diagram



# The Team



**Chuan Geng**

UIUX /  
Frontend



**Naomi**

UIUX /  
Frontend



**Ze Yu**

Product  
Manager



**Sean Jin**

Product  
Manager



**Jing Yi**

Backend  
Developer



**Yun Tian**

Backend  
Developer

# Thank you!

Any questions?

