



G1T3

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Table of Contents

About Us

Introduction of our members

01

Solution

OneCharitySG

03

Architecture

Explanation on our app structure

05

Problem Statement

A quick recap

02

Functions

Uses of OneCharitySG



01

About Us

The A-Team



Our Team



Chuan Geng

Backend /
Tester



Yun Tian

Backend /
QA Engineer



Jing Yi

UIUX / Frontend



Sean

Backend / QA Lead



Naomi

UIUX / Frontend



Ze Yu

Product Manager /
Frontend



02

Problem

Statement

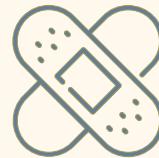
The 42 to the problem

Problem Statement



Issues

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



Pains

- Individual needs not met
- Excess food
- Difficulty in coordinating



Parties

- Beneficiaries
- Charity Organisations
- Government (MSF)



03 **Solution**

Our raison d'être in EBS



04

Functions

Gadgets and gizmos...

Previous Method of Managing Beneficiaries 😞

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
building_id	geo_level_1	geo_level_2	geo_level_3	count_floors	age	area_percent	height_perce	land_surface	foundation_type	roof_type	ground_floor	other_floor	position	plan_config	has_superstr						
802906	6	487	12198	2	30	6	5 t	r	n	f	q	t	d	1	1	0	0	0	0	0	
28830	8	900	2812	2	10	8	7 o	r	n	x	q	s	d	0	1	0	0	0	0	0	
94947	21	363	8973	2	10	5	5 t	r	n	f	x	t	d	0	1	0	0	0	0	0	
590882	22	418	10694	2	10	6	5 t	r	n	f	x	s	d	0	1	0	0	0	0	0	
201944	11	131	1488	3	30	8	9 t	r	n	f	x	s	d	1	0	0	0	0	0	0	
333020	8	558	6089	2	10	9	5 t	r	n	f	q	s	d	0	1	0	0	0	0	0	
728451	9	475	12066	2	25	3	4 n	r	n	x	q	s	d	0	1	0	0	0	0	0	
475515	20	323	12236	2	0	8	6 t	w	q	v	x	s	u	0	0	0	0	0	0	1	
441126	0	757	7219	2	15	8	6 t	r	q	f	q	s	d	0	1	0	0	0	0	0	
989500	26	886	994	1	0	13	4 t	i	n	v	j	s	d	0	0	0	0	0	0	1	
7962	17	1119	12188	2	20	9	6 t	r	q	f	q	t	d	0	1	0	0	0	0	0	
452227	17	1275	4004	1	10	8	4 t	u	n	v	j	t	d	0	0	0	0	0	0	1	
444381	12	335	8167	2	15	6	5 t	r	n	x	x	s	d	0	1	0	0	0	0	0	
287845	17	817	6284	3	45	7	7 t	r	q	f	q	s	d	0	1	0	0	0	0	0	
605134	18	1295	6994	2	25	7	6 t	r	n	f	x	s	d	0	0	1	0	0	0	0	
563431	4	484	11114	2	55	4	4 n	r	n	f	q	s	d	0	1	0	0	0	0	0	
633759	6	706	12267	2	5	7	5 t	r	n	f	q	t	d	0	1	0	0	0	0	0	
980230	27	216	12323	3	10	7	7 t	r	n	f	q	s	d	1	1	0	0	0	0	0	
354011	26	1401	3904	1	20	12	3 t	u	n	v	j	s	d	0	0	0	0	0	0	1	
483543	8	41	6024	2	20	16	4 t	r	n	f	x	s	d	0	1	0	0	0	0	0	
793397	27	216	12323	3	40	7	5 t	r	n	f	q	j	d	1	0	0	0	0	0	0	
433870	25	211	10587	2	30	6	5 t	r	n	f	q	s	d	0	1	0	0	0	0	0	
219578	10	90	11215	2	0	6	5 t	r	q	f	q	s	d	0	1	0	0	0	0	0	
933368	4	1235	4976	3	25	6	6 n	r	q	f	q	s	d	0	1	0	0	0	0	0	
519606	11	660	9780	2	80	5	5 t	r	n	f	q	s	d	0	1	0	0	0	0	0	
801078	21	1051	759	2	40	5	5 t	r	q	f	q	s	d	0	1	0	0	0	0	0	
973909	7	1328	5612	3	10	11	5 t	r	n	f	q	s	d	0	1	0	0	0	0	0	
858160	4	707	12040	2	15	8	5 n	u	q	f	q	s	d	0	1	0	0	0	0	0	
466558	3	1229	7251	2	10	7	6 t	r	n	f	q	s	d	0	1	0	0	0	0	0	
529366	27	548	1119	3	60	27	10 t	r	n	f	q	t	s	1	0	0	0	0	0	0	
406413	25	843	5236	2	35	11	5 t	r	n	f	q	s	d	0	1	0	0	0	0	0	
16485	20	953	6651	2	15	13	5 t	w	q	v	x	s	d	0	0	0	0	0	0	0	
157370	6	706	11722	2	20	4	4 t	r	n	f	q	s	d	0	1	0	0	0	0	0	
119565	10	405	5132	2	10	3	6 t	r	n	f	q	s	d	0	1	0	0	0	0	0	
141871	18	256	3430	2	15	7	5 t	h	n	f	x	j	d	0	1	0	0	0	0	0	
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Functions



01

Registration and Login



02

Updating beneficiary details



03

Food restock request auto-creation



04

Create food preset by diet



05

Create delivery schedule



06

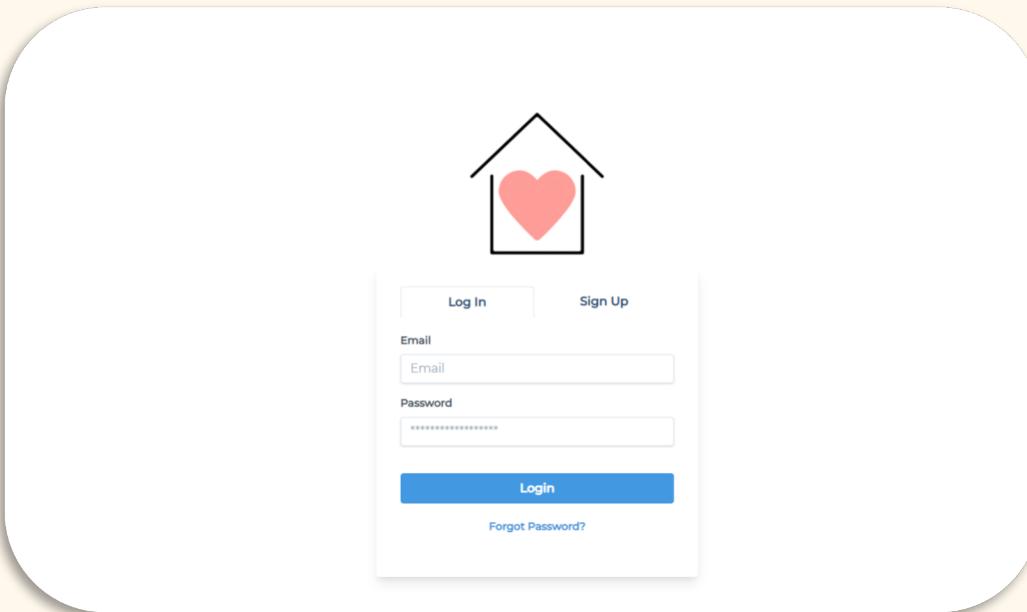
Mobile app - Volunteers on the move



07

Analytics - Decision Support

Registration and Login



Home

The screenshot shows a web-based application interface for managing beneficiaries. At the top, there is a navigation bar with links for Home, Analytics, Plan Schedule, Diet, Import Data, Requests, Admin, and Logout. A welcome message "Role: null | Welcome back, admin@admin.com" is displayed. Below the navigation is a search bar with dropdown options "Show 10" and "Search". The main content area is titled "Beneficiaries Data" and displays a table of six rows. The table has columns for ID, REGION, ADDRESS, HOUSEHOLD SIZE, RACE, RELIGION, DIETARY RESTRICTIONS, STOCK LVL, and ORG. Each row contains specific beneficiary details, such as bene001 from region09 with address Jalan Kuloh Blk 9 #09-11, race Chinese, religion Buddhism, dietary restriction Diabetes, stock level None, and organization charity001.

ID	REGION	ADDRESS	HOUSEHOLD SIZE	RACE	RELIGION	DIETARY RESTRICTIONS	STOCK LVL	ORG
bene001	region09	Jalan Kuloh Blk 9 #09-11	1	Chinese	Buddhism	Diabetes	None	charity001
bene002	region09	Jalan Kuloh Blk 3 #04-11	4	Malay	Islam	Halal	None	charity001
bene003	region03	Circuit Road Blk 62 #02-04	1	Indian	Hinduism	No Beef	None	charity002
bene004	region01	Ang Mo Kio Ave 11 Blk 256 #02-11	1	Chinese	Buddhism	Diabetes	None	charity002
bene005	region01	Ang Mo Kio Ave 11 Blk 254 #04-11	6	Chinese	Catholicism	High blood pressure	None	charity003
bene006	region04	Teban Gardens Blk 40 #07-07	6	Malay	Islam	High Cholesterol	None	charity005

Create Food Presets

The screenshot shows a software application window titled "EBS G1T3". The top navigation bar includes links for Home, Analytics, Plan Schedule, Diet, Import Data, Requests, Admin, and a Logout button. A user session message indicates "Role: null | Welcome back, admin@admin.com".

The main content area is divided into three sections:

- Presets**: A list of dietary restrictions:
 - DIABETIC
 - NO BEEF
 - VEGETARIAN
 - LOW CARB DIET
 - LACTOSE INTOLERANTA "Create Basket" button is located at the bottom of this section.
- Food Items**: A list of food items with their quantities:
 - SONGHE THAI FRAGRANT RICE 25KG 1
 - MILO 1.8KG TIN 2
 - CRACKERS 1TIN 5
 - INSTANT NOODLES 5S 3
 - LOAF OF BREAD 600G 3
 - EGG 30S 2
 - NUTELLA 680G 1
- All Stocks**: A list of stock items:
 - GENERIC BEVERAGE
 - MILO 1.8KG TIN
 - GENERIC BISCUIT
 - GENERIC BREAD
 - LOAF OF BREAD 600G
 - GENERIC CANNED
 - PEANUT BUTTER 500G
 - NUTELLA 680G
 - EGG 30S
 - EGG 10S
 - FRESH MILK 1L
 - CRACKERS 1TIN
 - GENERIC EGG
 - GENERIC INSTANT
 - INSTANT NOODLES 5S

At the bottom right of the window, there is a "Report" button.

Create Volunteer Schedule

The screenshot shows a web-based application interface for managing volunteer schedules. At the top, there is a navigation bar with links for Home, Analytics, Plan Schedule, Diet, Import Data, Requests, Admin, and Logout. A user role indicator shows 'Role: null | Welcome back, admin@admin.com'. Below the navigation, a message 'Now on stocks!' is displayed.

The main content area is titled 'Add Schedule' and contains two sets of input fields for creating new schedule entries. Each set includes fields for Date, Start Time, Charity ID, Schedule ID, and Volunteer ID, followed by Beneficiary ID and Food ID. Between the two sets of fields is a row of minus and plus signs (- +). A blue 'POST' button is located at the bottom left of the form.

At the bottom right of the page, there is a footer note '2020 SMU EBS GIT3.' and a small logo.

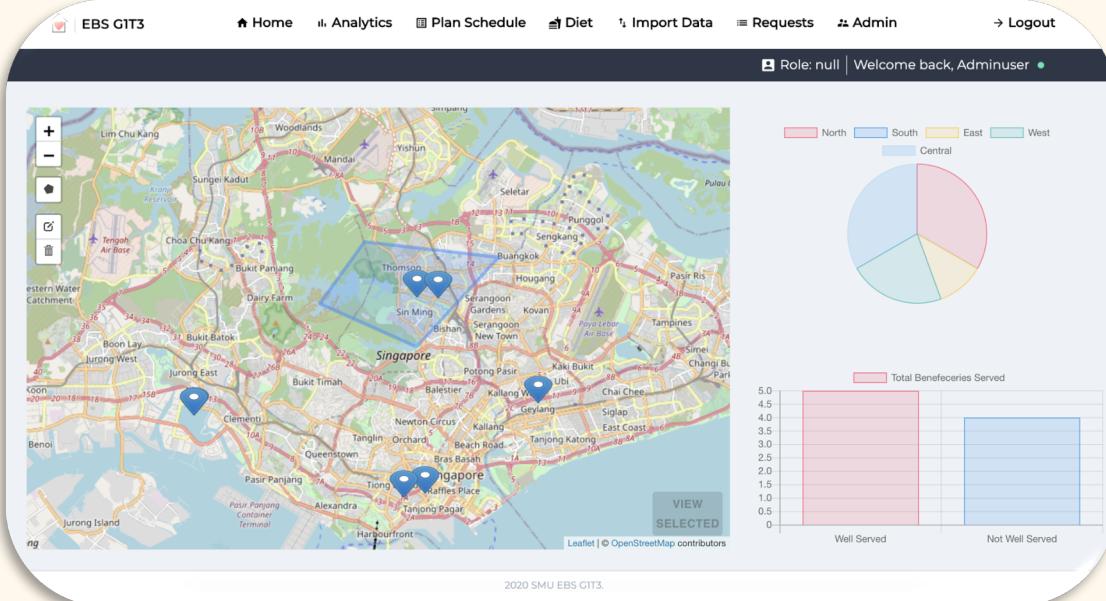
Date	Start Time	Charity ID	Schedule ID	Volunteer ID
Beneficiary ID	Food ID	- +		

Date	Start Time	Charity ID	Schedule ID	Volunteer ID
Beneficiary ID	Food ID	- +		

POST

2020 SMU EBS GIT3.

Analytics



Email

OneCharitySG - Volunteer Schedule

E ebsonecharitysg@gmail.com <ebsonecharitysg@gmail.com>

Today at 2:20 AM

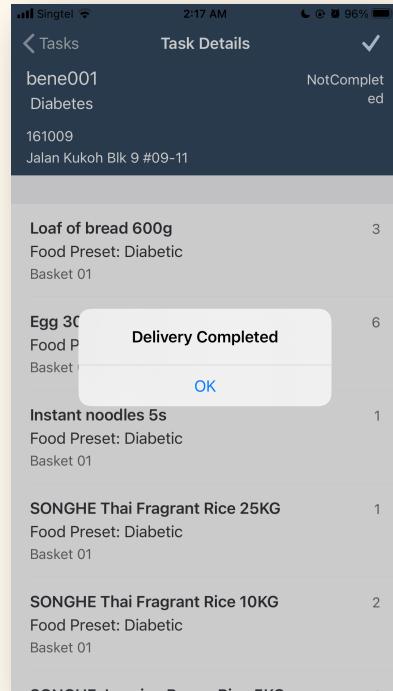
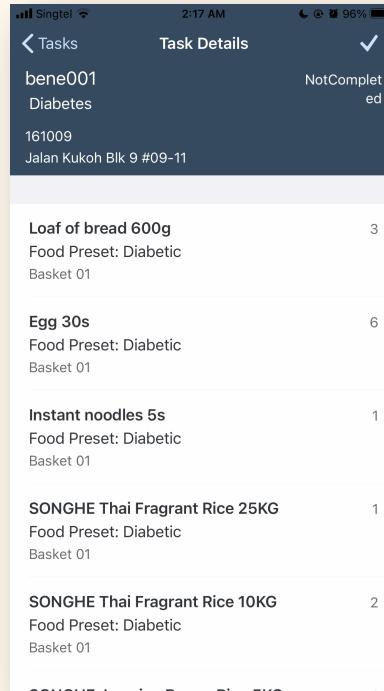
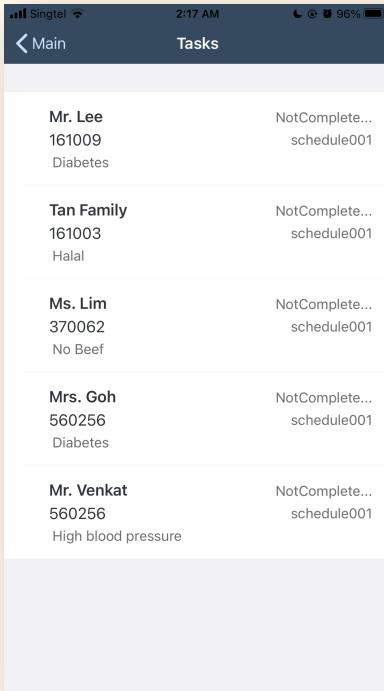
To: LEE Sean Jin

Volunteer Information

Dear user, your volunteer timing is as followed:

Date	Postcode	Address	Beneficiary ID	Household Size	Dietary Restriction	Race
2020-11-09	161009	Jalan Kukoh Blk 9 #09-11	bene001	1	Diabetes	Chinese
2020-11-09	161009	Jalan Kukoh Blk 9 #09-11	bene001	1	Diabetes	Chinese
2020-11-09	161003	Jalan Kukoh Blk 3 #04-11	bene002	4	Halal	Malay
2020-11-09	370062	Circuit Road Blk 62 #02-04	bene003	1	No Beef	Indian
2020-11-09	560256	Ang Mo Kio Ave 11 Blk 256 #02-11	bene004	1	Diabetes	Chinese
2020-11-09	560256	Ang Mo Kio Ave 11 Blk 254 #04-11	bene005	6	High blood pressure	Chinese

Mobile App



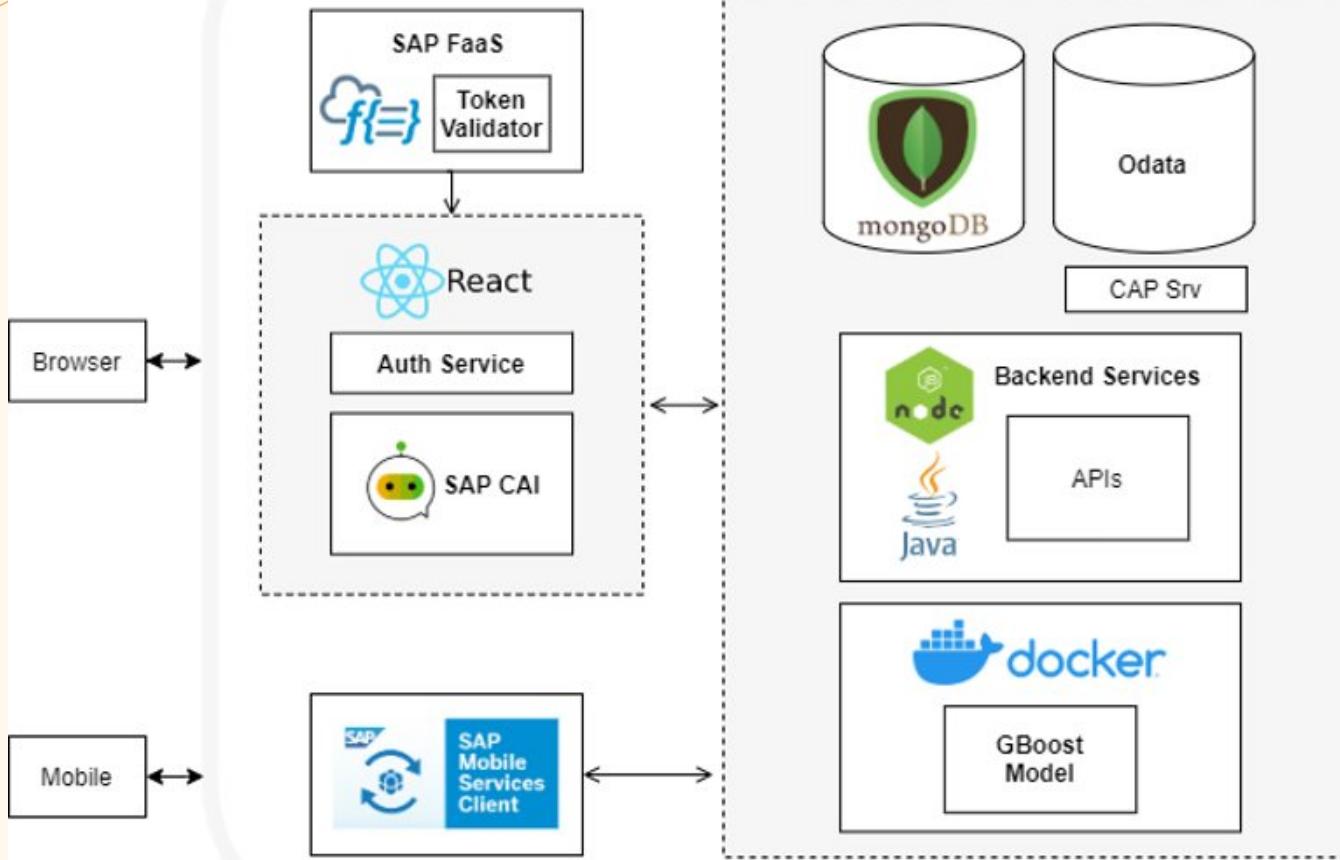


05

Architecture

Behind the scenes

SAP Cloud Platform



Thank you!

Any questions?

