

SUPPLYFLOW

Helping you help others.



The background of the slide is a photograph of a dense urban landscape, likely Hong Kong, showing a high concentration of tall buildings packed closely together. The sky is clear with some wispy clouds.

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Problem Space - The Inspiration

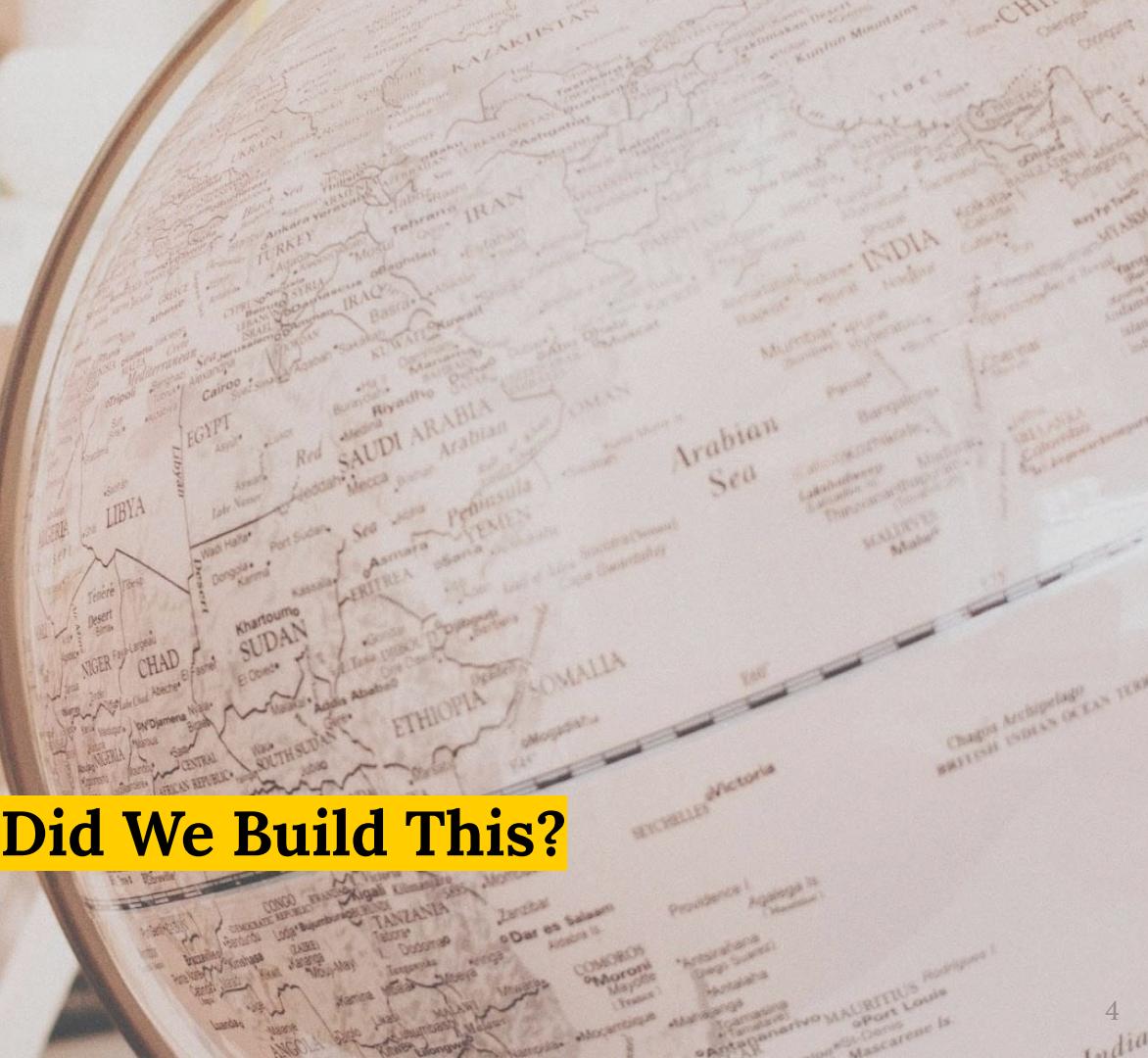
- Unequal distribution of resources and donations to women's and children's homeless shelters



Our Solution

- Weighting of different factors to sort the importance of shelters
- Location and radius
- Storing shelters in a file
- Creating a platform for shelters and volunteers to easily sign up

How Did We Build This?





Shelter Information

- Shelter information is stored in a database
- Used file accessors



Weighting

- Importance(a,b,c) = X(a) + Y(b) + Z(c)



Location and Radius





Main Screen

The image shows a large tablet device with a light gray background. On the screen, there is a yellow circular icon with three interlocking gears in the top-left corner. In the center, there is a large dark gray circle containing four hands (two white, two dark gray) reaching upwards. To the left of the circle, the text "VACC CO." is written vertically. To the right of the circle, there is a white rectangular box with a black border containing the text "Welcome to Supply Flow" in large bold letters, followed by "Helping you help others!" in a smaller font. Below this box, there are two smaller white rectangular boxes with black borders: one labeled "SHELTER" and another labeled "FUNDRAISING ORGANIZATION". The tablet is supported by two thin black legs at the bottom.

Welcome to
Supply Flow

Helping you help others!

SHELTER

FUNDRAISING
ORGANIZATION



Shelter Supply Screen



Product Screen



**SANITARY
PRODUCTS**



Enter Shelter ID:

Red Cross

**Products Added To
Inventory:**

50

**Products Removed
From Inventory:**

25

**CURRENT
INVENTORY:**

135



*Inventory predicted
to run out by Jan 25,
2020*



Main Screen

The image shows a large tablet device with a light gray background. On the screen, there is a yellow circular icon with three interlocking gears inside, located at the top left. To its right, the text "Main Screen" is displayed in a large, bold, black sans-serif font. In the center of the screen is a graphic featuring four hands (two dark gray, two white) reaching upwards towards a central white hand, all set against a dark gray circular background. To the left of this graphic, the text "VACC CO." is written vertically in a small, black, sans-serif font. To the right of the graphic, a large rectangular box contains the text "Welcome to Supply Flow" in a large, bold, black font, followed by "Helping you help others!" in a smaller, regular black font. Below this box are two smaller rectangular buttons: one labeled "SHELTER" and another labeled "FUNDRAISING ORGANIZATION", both in a black sans-serif font. The tablet is supported by a thin black stand at the bottom.

Welcome to
Supply Flow

Helping you help others!

SHELTER

FUNDRAISING
ORGANIZATION



Organization Info Screen

**THANK YOU FOR
DONATING!**



Fundraised Product:

Sanitary Products

Amount Fundraised:

500

**CALCULATE
DISTRIBUTION!**

Organization Zip Code:

L6C 2M1

**Radius of Distribution:
(km)**

50



Distribution Screen

Your Distribution Amounts!

1. Victim Services of Peel Brampton: 144
2. Redwood: 137
3. Yellow Brick House: 134
4. Our Place Peel: 83





Developed Prototype

←

→

⟳

localhost

Apps

Powershell Core

SYDE 114 Website

ARE YOU SHELTER?

ARE YOU A VOLUNTEER ORGANIZATION?

←

→

⟳

localhost/organization.html

Apps

Powershell Core

SYDE 114 Website

Fundraised Product

How many?

Company Address

Radius You Are Comfortable Distributing To (km)

Calculate How to Distribute Your Products

←

→

⟳

localhost

Apps

Powershell Core

SYDE 114 Website

ARE YOU SHELTER?

ARE YOU A VOLUNTEER ORGANIZATION?

←

→

⟳

localhost/shelter.html

Apps

Powershell Core

SYDE 114 Website

Please select which product inventory you want to update:

Sanitary Products

Diapers

Tooth Paste

Tooth Brush

Hand Soap

Body Soap

Shampoo

Razors

←

→

⟳

localhost/sanitaryproducts.html

Apps

Powershell Core

SYDE 114 Website

Shelter ID

Inventory Count

Get Inventory

Update Inventory



Improvements and Projections

Connect back end and front end

- Create a cohesive program

Better implement CSS and HTML

- Improve visuals and layout



Thanks!

Any *questions* ?