

**NANYANG
TECHNOLOGICAL
UNIVERSITY**
SINGAPORE

Lab Group	SCED
Team	Open Circuit
Members	Leck Kye-Cin
	Lee Jun De, Kavan
	Lee Yong Liang
	Lee Zi An
	Lim Seow Kiat
	Lim Xiao Xuan

During our process of developing **HawkerSG**, our team encountered several significant changes and iterations as the project progressed.

In the early stages, our UI mockups were created using Canva, and at that time, our understanding of user interface and experience design was still developing. As we learned more about practical UX principles, responsive layout considerations, and the technical constraints of implementing interfaces with React and TailwindCSS, many original design ideas had to be refined or entirely reworked.

An example would be reusable “Card” components in React which we learnt could be reproducible and made it easier to work with. Originally, we designed individual panels in Canva but as we learnt more, we realised we should use “Cards” for multiple of our features to make the UI more consistent. This led us to redesign multiple screens like the Browse Page, Home Page carousel, Reviews section, etc.

Eventually, as our technical knowledge grew and our backend and frontend components became more defined, we revisited and improved our mockups to align with realistic development requirements. This included restructuring some screens, simplifying certain user flows, and ensuring consistency across pages. These changes allowed us to create a more cohesive, functional, and implementable design that better reflected the actual capabilities of our system.

We split into two teams to do the code. We had one team of 3 do Frontend, the remaining 3 to do Backend. We arranged to discuss between the group as well as the sub-group frequently to make sure we have the necessary and up to date information to work on our code with good progress.

Even though we had 2 teams of Frontend and Backend, each member from the two subgroups also learnt their fair share of Fullstack during the process, since we need to know the basics of how Frontend and Backend communicate to function as a whole.

Through this process, we learned valuable team lessons, including the importance of early planning for data models, consistent communication across frontend and backend teams, and the need to adapt quickly when designs do not translate cleanly into code.

The following are some UI Mockups that we completely redesigned to show our progression:

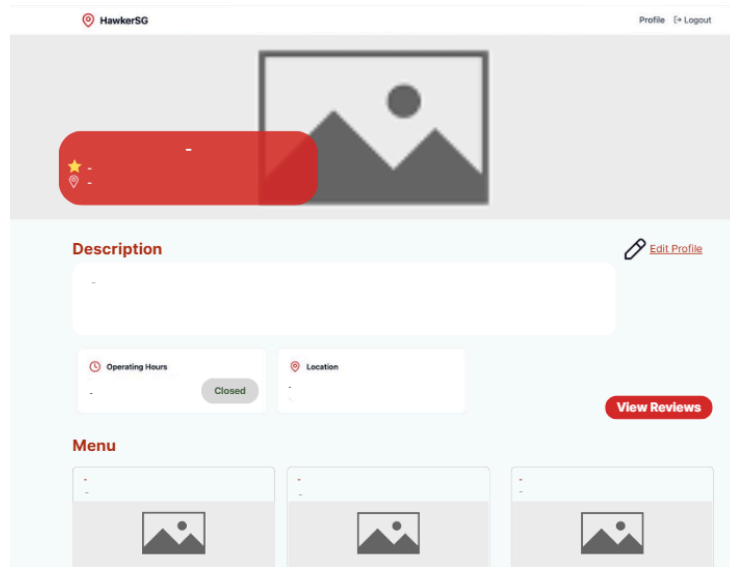
UI Mockup Previous Versions (Prototyping)

Updating stall information:

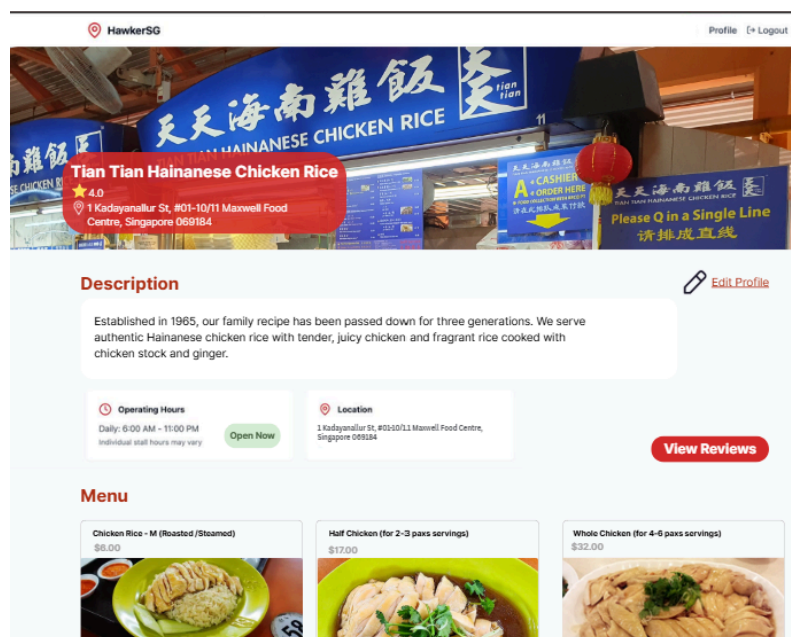
For this, we decided to split this into Tabs for organisation and accessibility for the UI aspect.

Originally, we had intended to use a “form” for the Business Owner to fill and populate their Stall Profile. However, we decided that it was too rigid and more difficult for our Business Owner to understand. We made it clearer by organising and separating the different Business Information into Tabs, so that they can edit one at a time.

Before Filling in the Stall Information:



After Filling in the Stall Information:



Form to fill Stall Information:

Singapore Hawker Stall Registration

Register your hawker stall information


☆ Stall Information

Stall Name

Tian Tian Hainanese Chicken Rice

Stall Photo

Choose file Tian-Tian-Hainanese-Chicken-Rice.jpg



Stall Description

Established in 1965, our family recipe has been passed down for three generations. We serve authentic Hainanese chicken rice with tender, juicy chicken and fragrant rice cooked with chicken stock and ginger.

🕒 Operating Hours

Monday

10:00 AM - 8:00 PM

Tuesday

10:00 AM - 8:00 PM

Wednesday

10:00 AM - 8:00 PM

Thursday

10:00 AM - 8:00 PM

Friday

10:00 AM - 8:00 PM

Saturday

10:00 AM - 9:00 PM

Sunday

10:00 AM - 8:00 PM

Peak Hours

Lunch: 12:00 PM - 2:00 PM, Dinner: 6:00 PM - 8:00 PM

🍴 Menu & Prices

Add Menu Item


Dish Name

Price (\$\$)

Remove

Hainanese Chicken Rice

4.50




Dish Name

Price (\$\$)

Remove

Roasted Chicken Rice

5.00




Dish Name

Price (\$\$)

Remove

Chicken Curry Rice


5.50



Save Stall Information

After (Final Product):

Edit Stall Profile Tab:



Logout

Business Profile

Manage your stall presence on HawkerSG

Consumer View Preview

Overview

Stall Profile

Menu

Operating Hours

View Reviews

Stall Profile

Stall Name *

Phawo Thai Food

Cuisine Type *

Thai

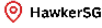
Stall Location *

51 YISHUN AVENUE 11 #01-31,Yishun park hawker centre,Singapore 76881

Description

Tell customers about your stall...


Stall Photo



Add a high-quality photo of your stall (max 1).

Update Stall Profile

Edit Menu:

 HawkerSG

Logout

Business Profile

Manage your stall presence on HawkerSG

Consumer View Preview

Overview

Stall Profile

Menu

Operating Hours

View Reviews

Menu Management

Add Menu Item

Menu Item 1

Item Name *

Enter item name

Price (\$\$) *

0

Description


Describe this item...

Photo (Optional)

Add Photo

Update Menu

Edit Operating Hours:

HawkerSG

Logout

Business Profile

Manage your stall presence on HawkerSG

Consumer View Preview

Overview

Stall Profile

Menu

Operating Hours

View Reviews

Operating Hours

Close Stall: ☐

Monday

☒ Open

From:

10:00 am

To:

08:00 pm

Copy to all

Tuesday

☒ Open

From:

10:00 am

To:

08:00 pm

Copy to all

Wednesday

☒ Open

From:

10:00 am

To:

08:00 pm

Copy to all

Thursday

☒ Open

From:

10:00 am

To:

08:00 pm

Copy to all

Friday

☒ Open

From:

10:00 am

To:

08:00 pm

Copy to all

Saturday

☒ Open

From:

10:00 am

To:

08:00 pm

Copy to all

Sunday

☒ Open

From:

10:00 am

To:

08:00 pm

Copy to all

Quick Actions


Set All: 10:00 - 20:00

Close Sundays

Weekend Extended

Save Hours

View Reviews

 **HawkerSG**

[Logout](#)

Business Profile
Manage your stall presence on HawkerSG

[Consumer View Preview](#)

Overview

Stall Profile

Menu

Operating Hours

View Reviews

0.0 0 reviews ☆☆☆☆☆

5 ☆

0

3 ☆

0

1 ☆

0

Filter:

All

5 ☆

4 ☆

3 ☆

2 ☆

1 ☆

Sort:

Most recent

4 ☆

0

2 ☆

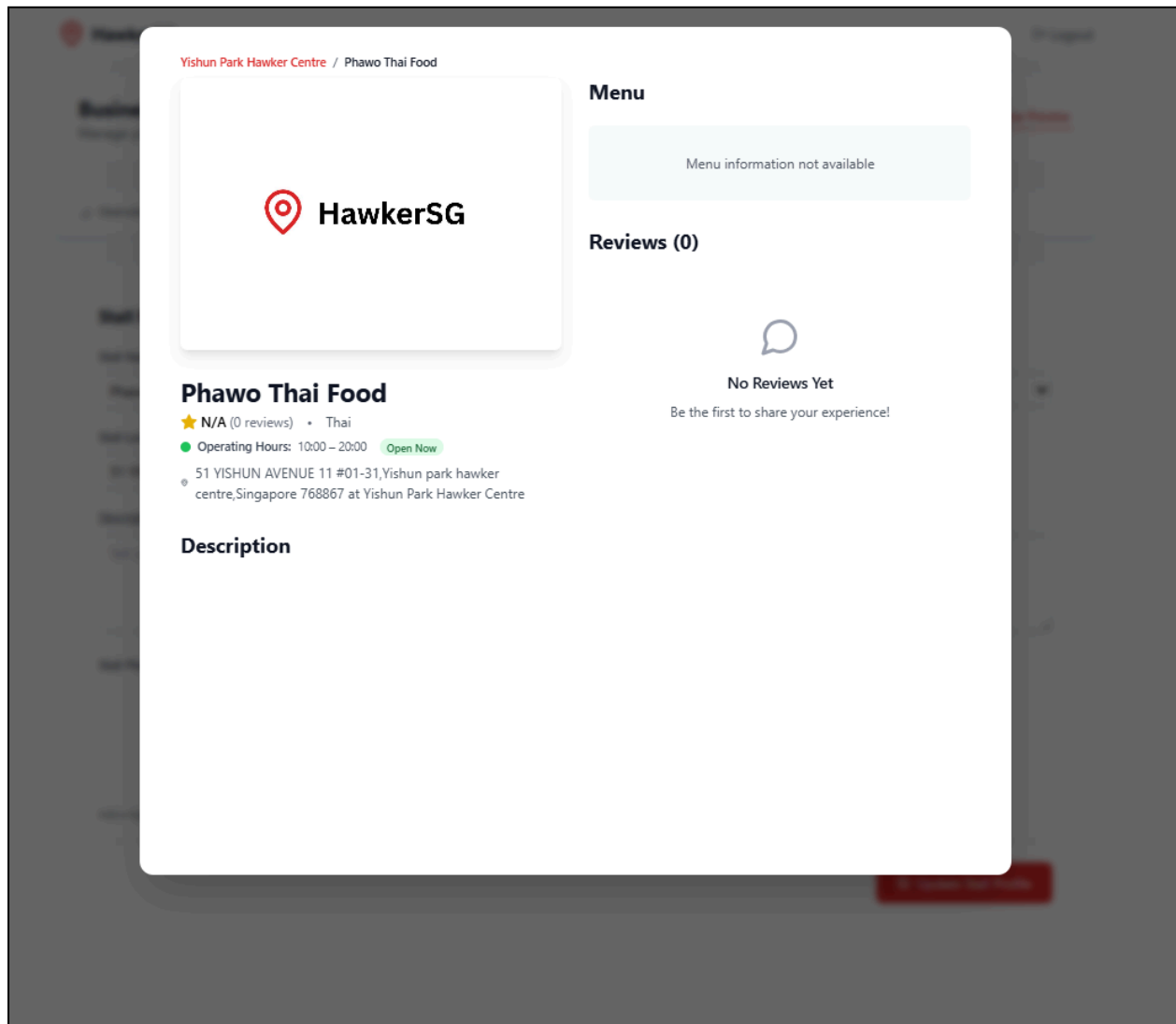
0

Reviews

Showing 0 items

No reviews found for the selected filters.

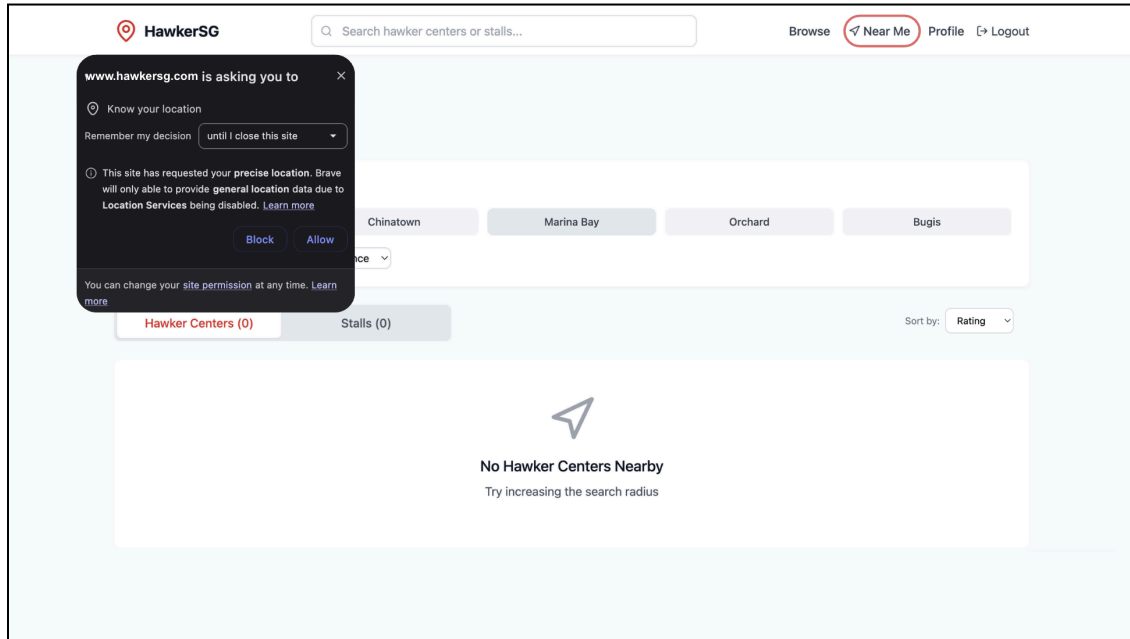
Consumer view Preview



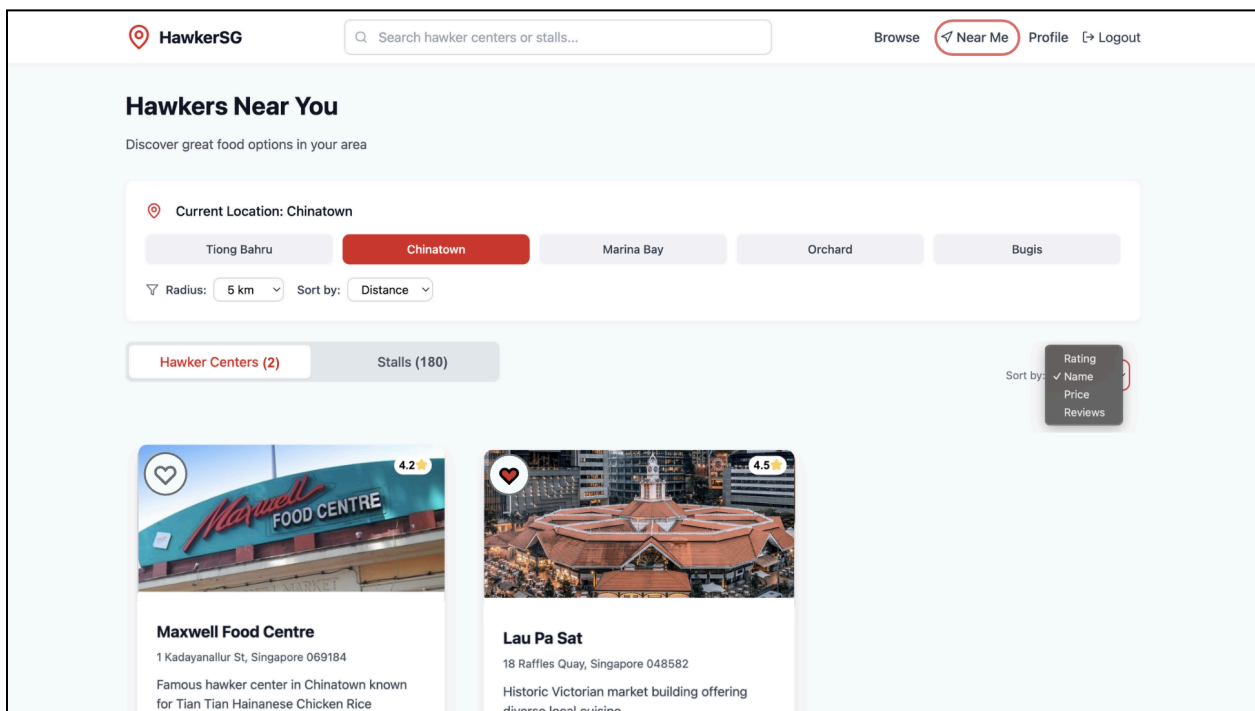
Near Me:

Initially, we have prefilled filters for the Consumers regardless of whether they allowed “Live Location”. However, we decided that it would be cleaner and neater to only show the prefilled filters for Consumers when they do not want to share their “Live Location”.


Unchanged when Consumer do not allow Live Location:



Before:




After:


 **HawkerSG**

[Browse](#) [Near Me](#) [Login](#) [Sign Up](#)

Hawkers Near You

Discover great food options in your area

 **Current Location: Sengkang**

 Radius:

2 km

▼

Sort by:


Distance

▼

Hawker Centers (1)

Stalls (26)

2.0 km



Fernvale Hawker Centre & Market

Blk 21, Sengkang West Avenue, Fernvale Community Cl...

A bright and family-friendly market offering both fresh produce and tasty hawker food.

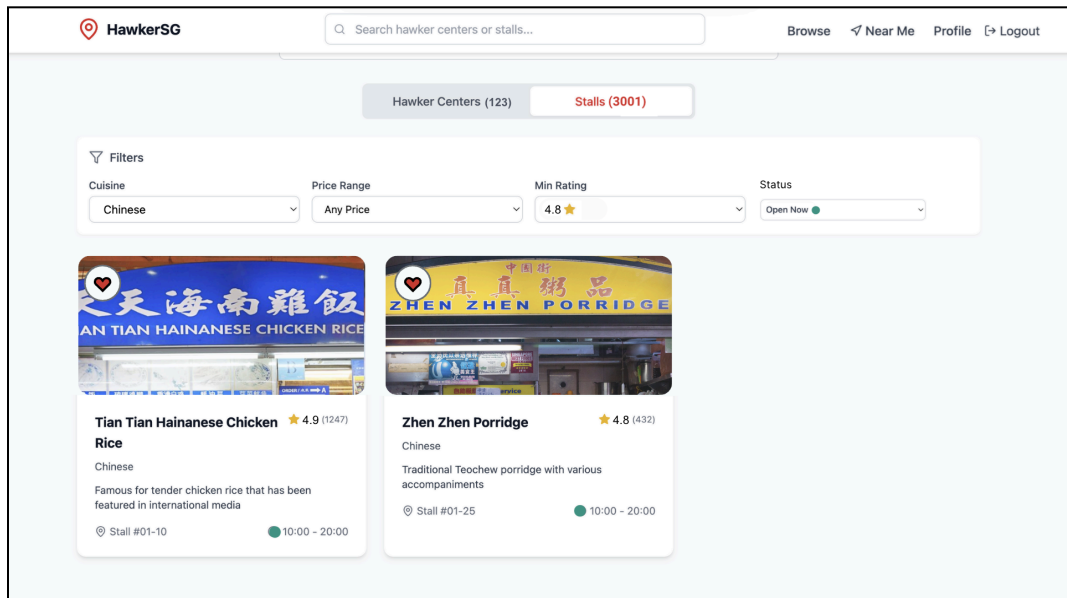
26 stalls

● Open daily

Search (Stalls Tab):

Previously, we wanted to filter for Price Range but realised that Hawker Stalls might sell different products with a huge price range. This made it difficult to pinpoint one price range for a stall. Hence, we decided to remove that filter completely to make it more consistent and not confuse Consumers.

Before:



After:

