

# NTUMART



A new & better NTU Marketplace **with enhanced user experience**  
**"By NTU students, for NTU students"**



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# INTRODUCTION



# Background

## Throw Away Culture

Singapore is a **rich** country

Rise in consumerism culture especially after  
the introduction of E-Commerce Platforms



Shopee



Lazada



**What happens to all these  
items when students move  
out of hall?**

# Background

## Existing Solutions



### Telegram NTU Marketplace

Too convoluted and cluttered database of items



### Carousell

Many advertisements & poor recommendations



### Hazaar/Rumie

Does not exist in Singapore



# Project Goals

01



Organized library of items

03



Targeted recommendations

05



Inclusive and community driven approach

02



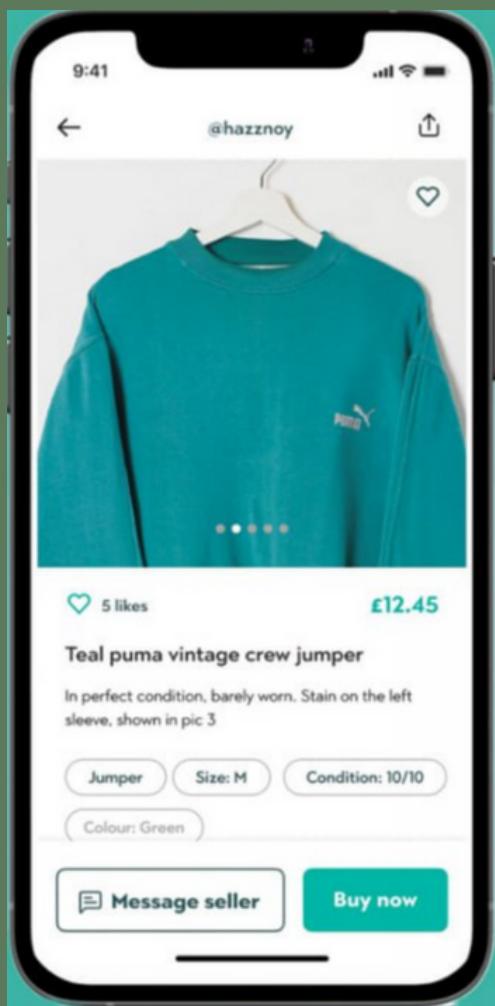
Moderation

04

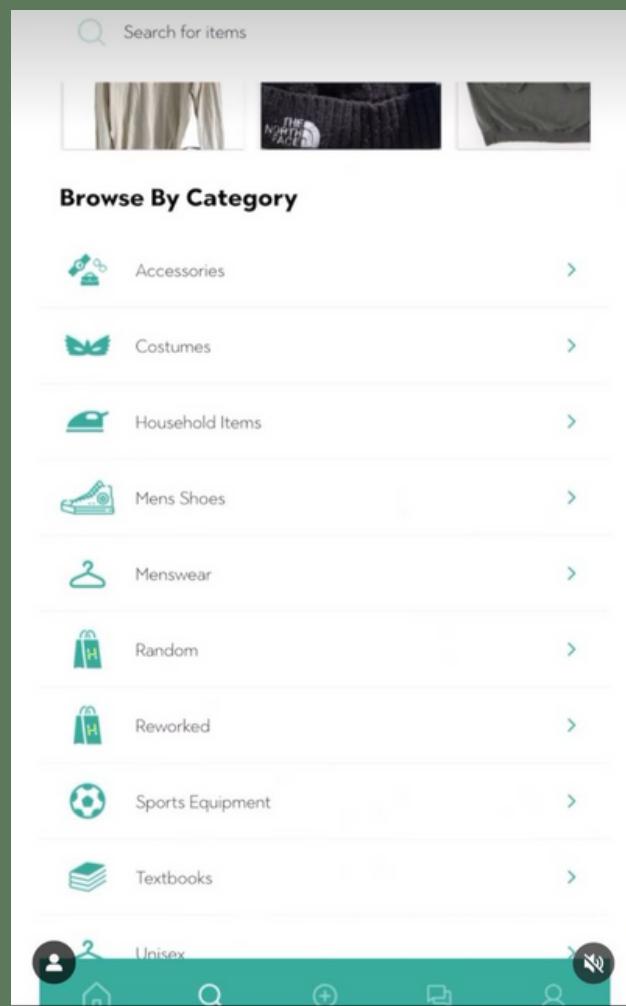


Hall Transition Support

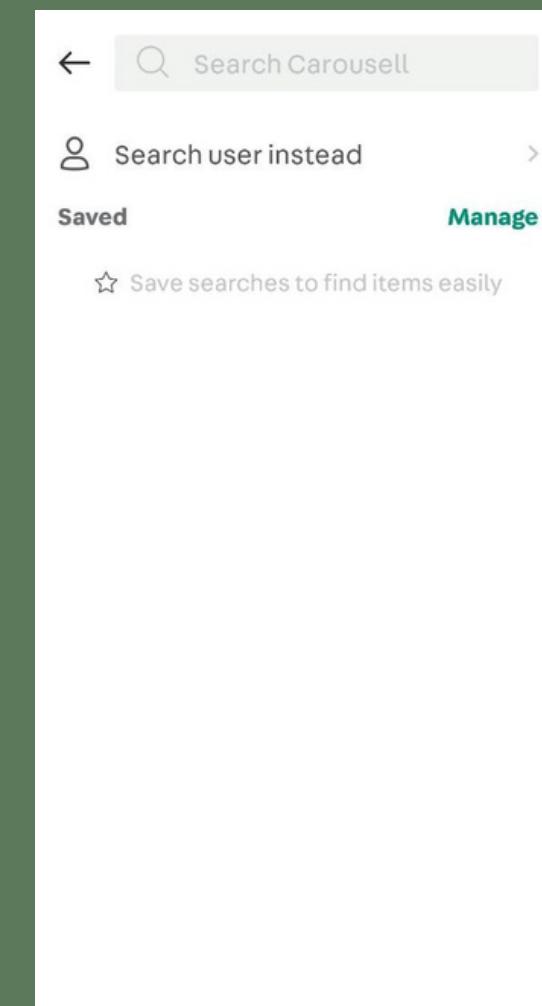
# Base app: Hazaar



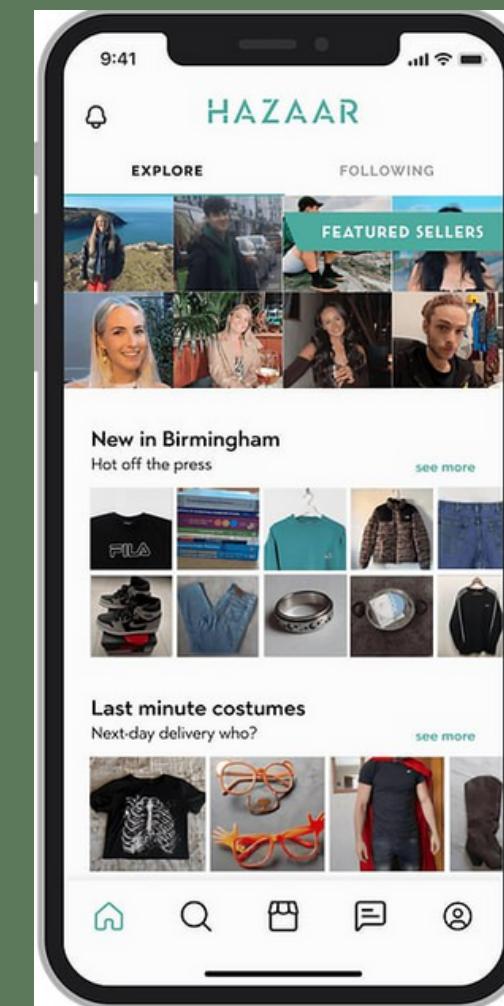
Buying



Browse



Search by text



Product Items

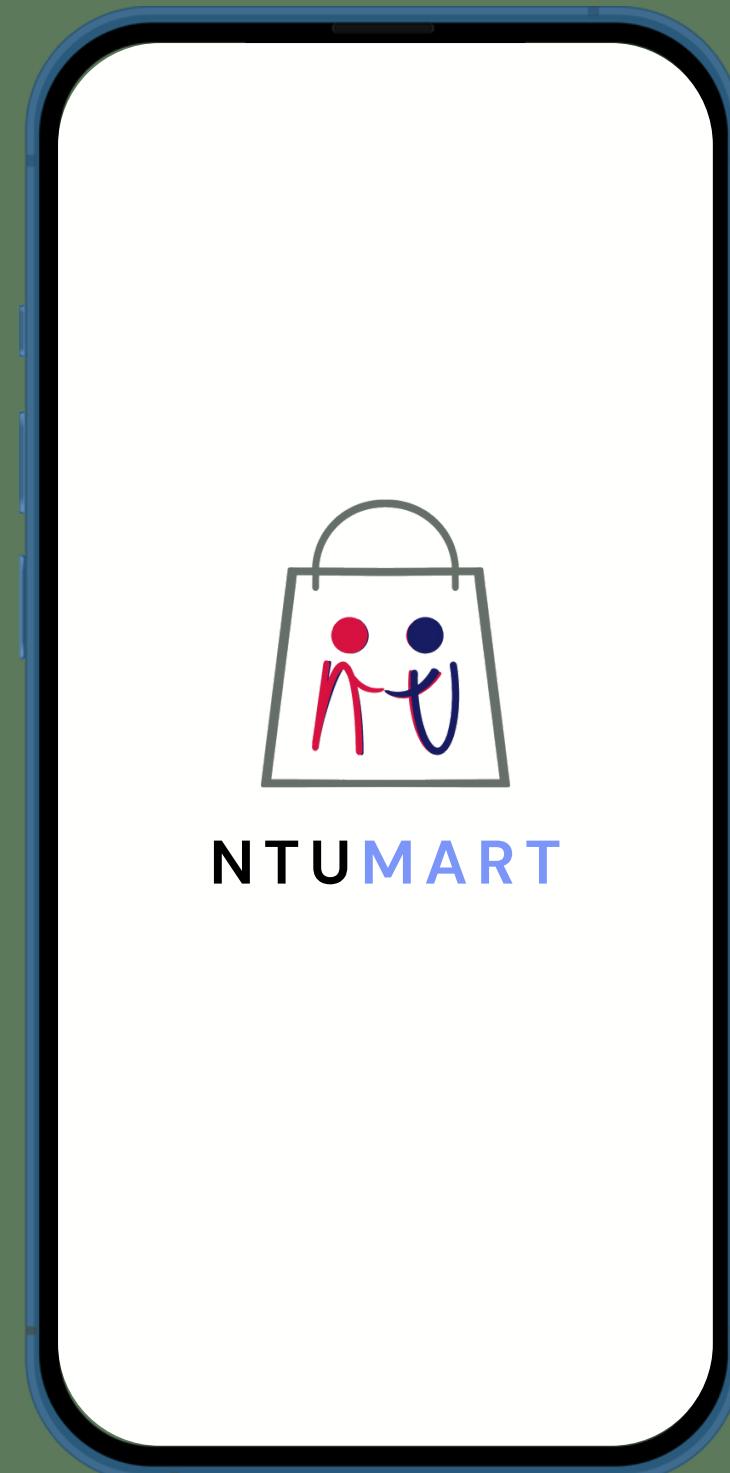
## PROJECT OBJECTIVE

# NTU MART

- An all-in-one marketplace app where students buy & sell items
- Facilitates moving in & out of hall
- User-friendly Interface

## Target Audience :

NTU Students,  
NTU Hall Residents



# KEY FEATURES



# Key Features



**Improved UI/UX  
Experience**



**Chatbot Feature**



**NTU Hall-Centric  
Social Media**

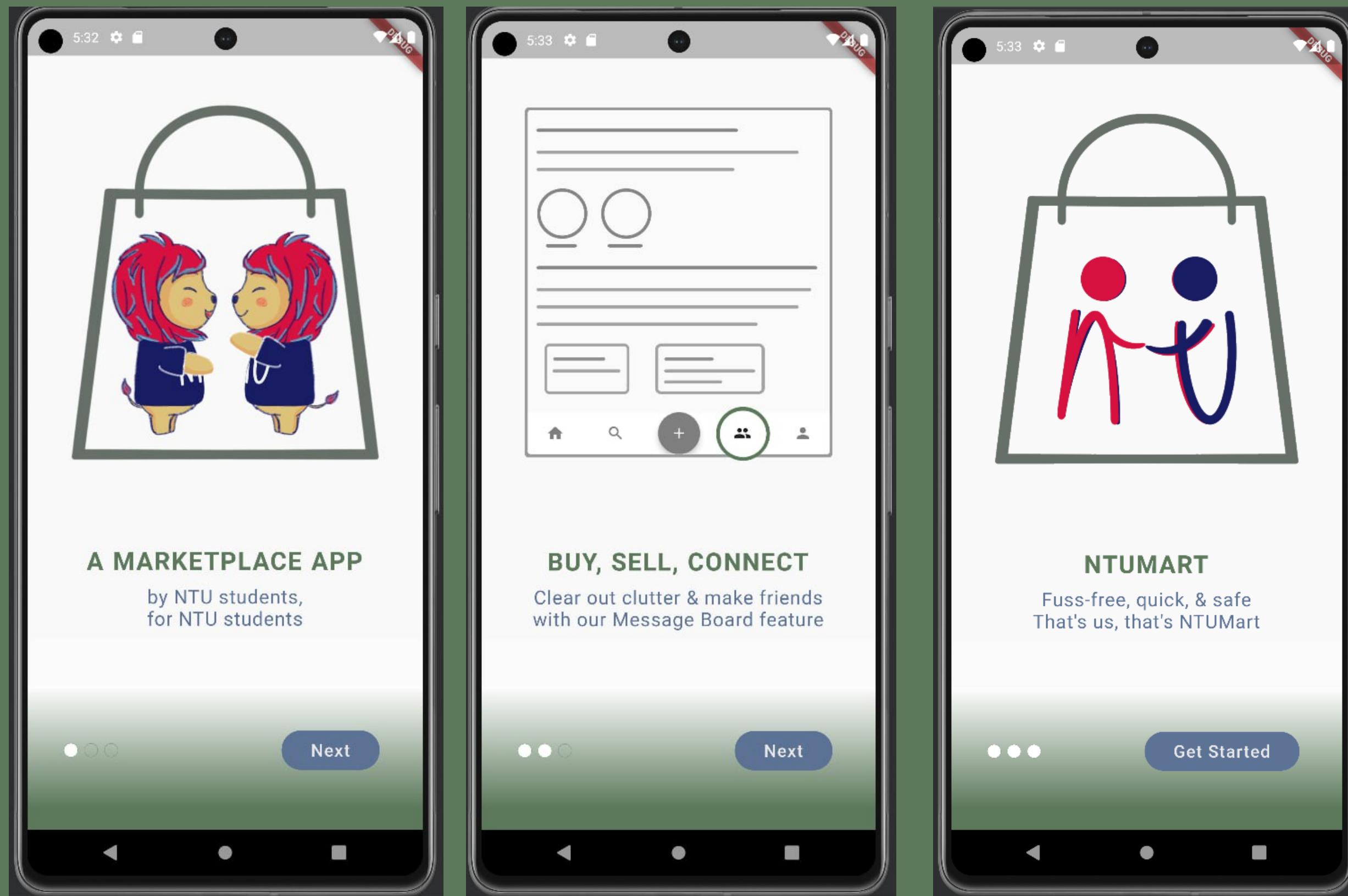


**Augmented Reality**

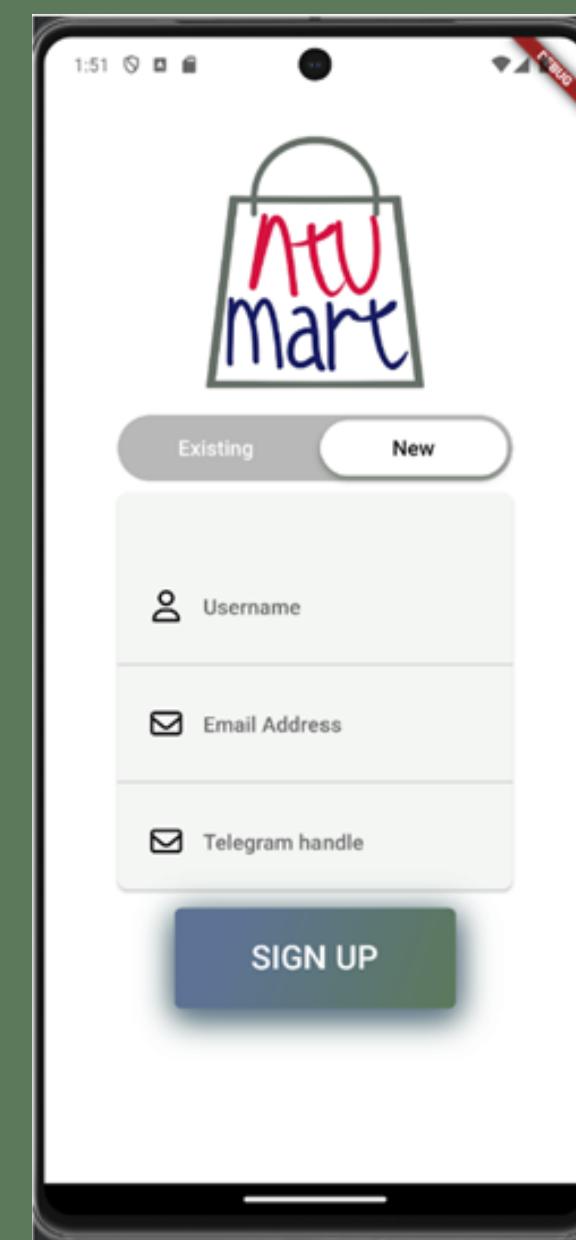
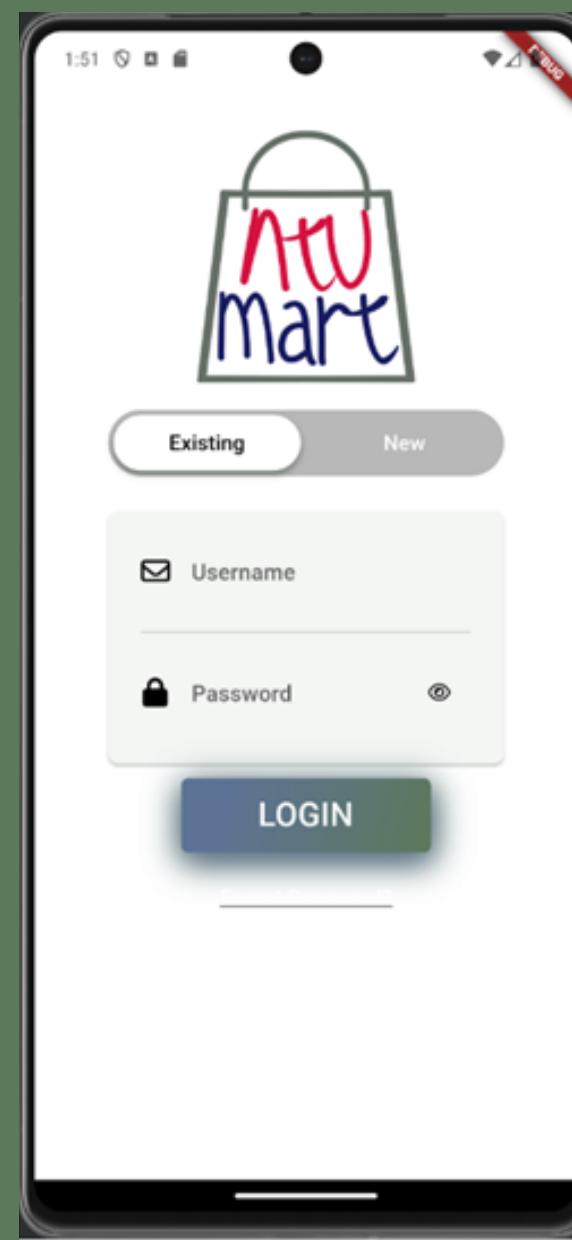
# USER INTERFACE (UI)



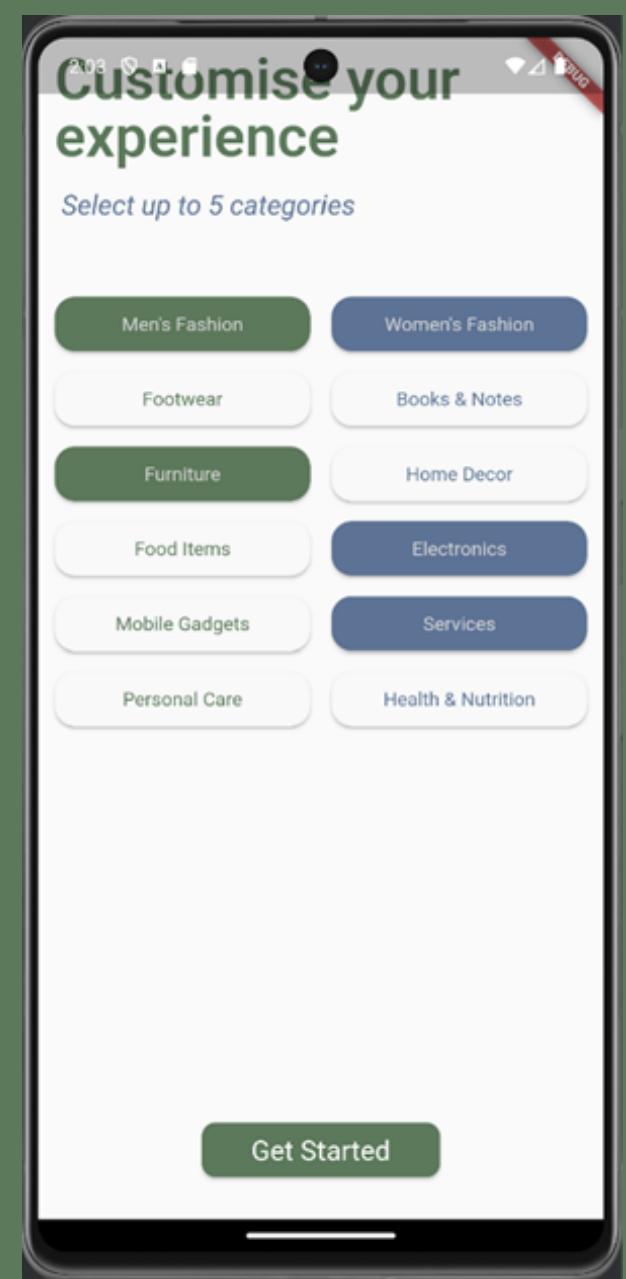
## Onboarding Screen



## Login/Register



## Select Preference

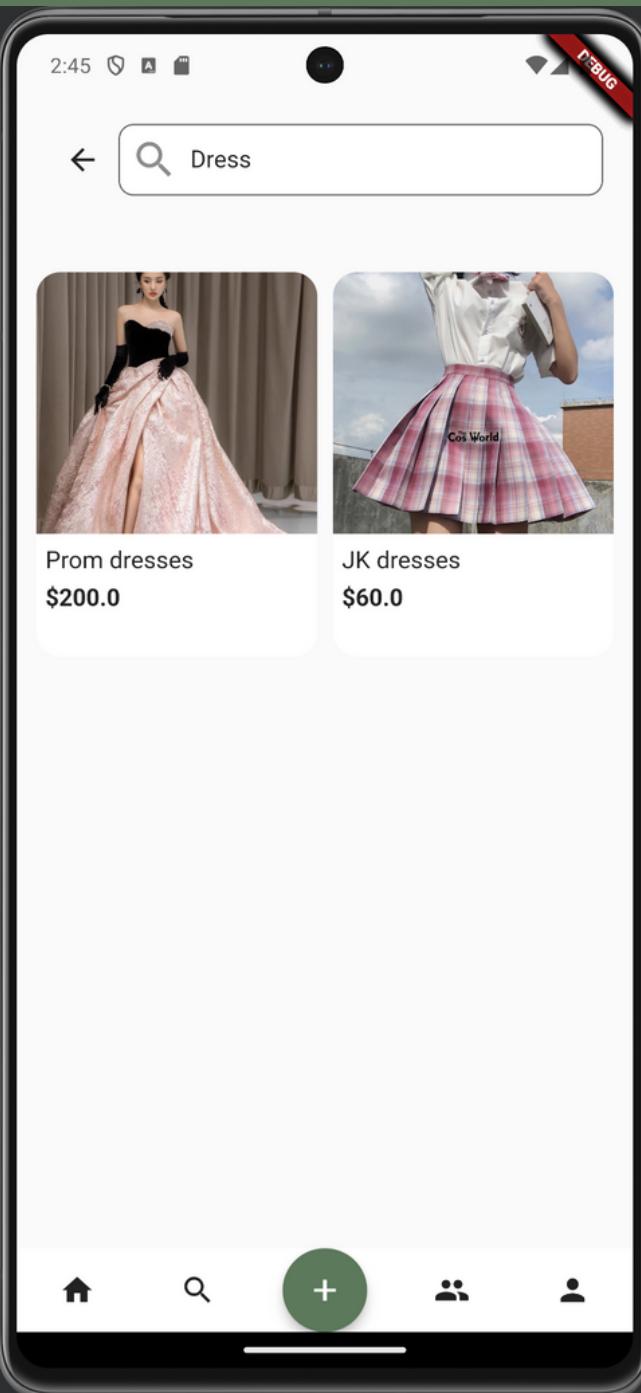
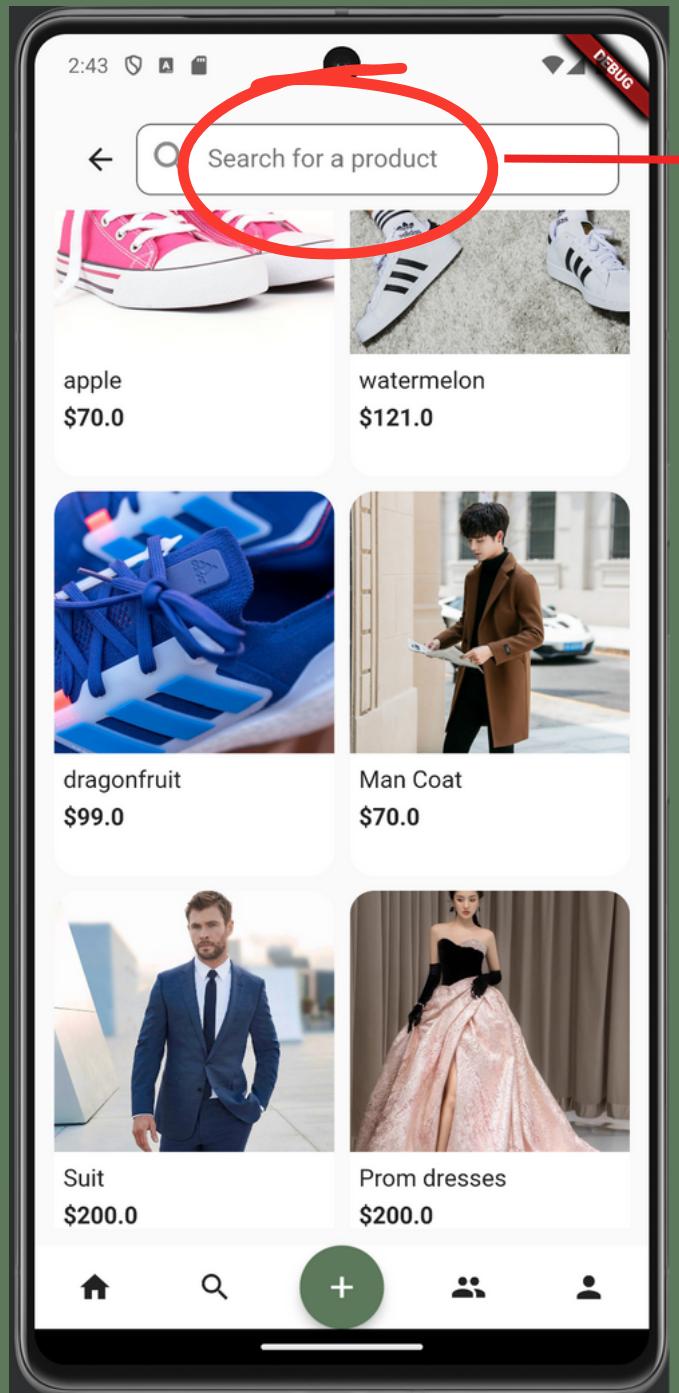


# Home Page w/ Chatbot

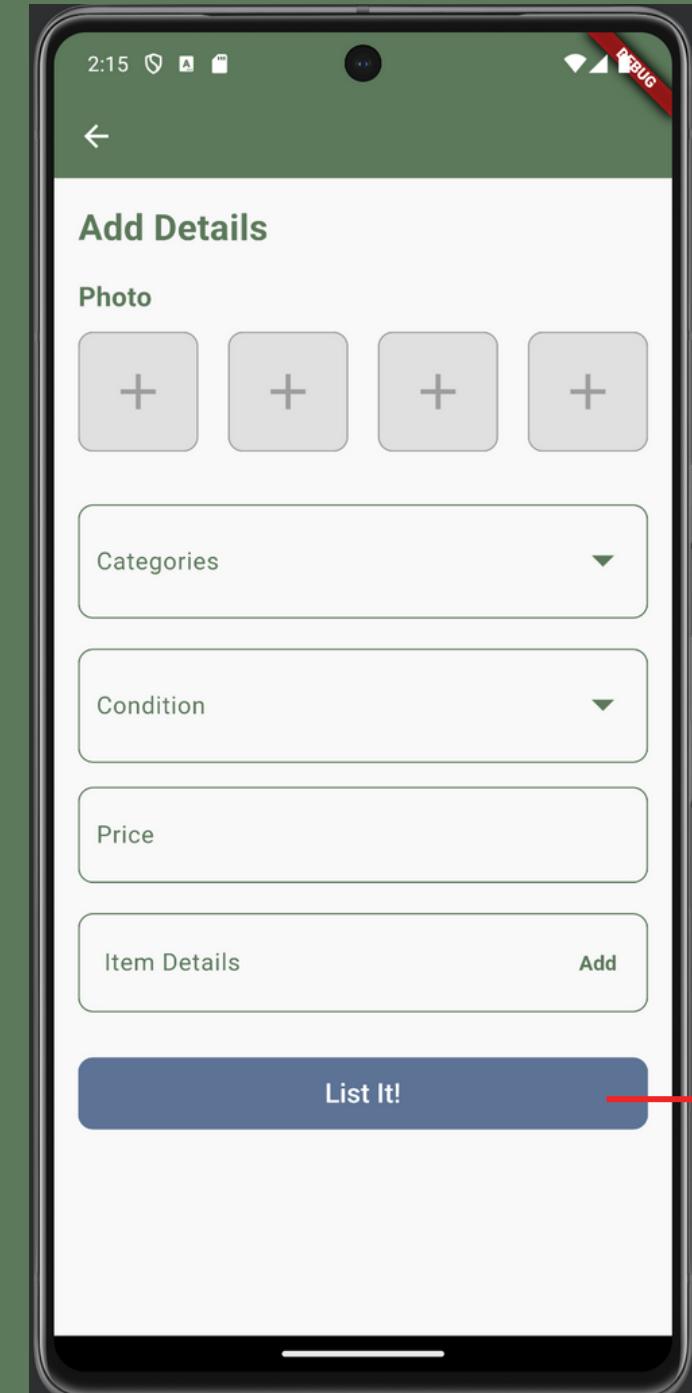
The image displays three mobile phone screens illustrating the NTUMart application's user interface and features.

- Home Page:** Shows a search bar at the top with the placeholder "Search for a product". Below it are two product cards: "Dyson Hair Dryer" (\$60.0) and "Fan" (\$40.0). A red arrow points from the text "Click here to show all products under this category" to the "Electronics" category icon on the Categories screen.
- Categories Page:** Displays the NTUMart logo and a "Categories" section with icons for Men's Fas..., Footwear, Electronics (circled in red), Books & ..., and Pers... A red arrow points from the text "Only suggest products according to user's preference" to the "Suggested Products" section, which shows items like "Man Coat" (\$70.0) and "Suit" (\$200.0).
- Chatbot Interface:** Shows a conversation with the AI assistant. The assistant greets with "Hi there! I'm NTUMart's personal AI assistant. My role is to help you get around the app and to take note of any other questions you might have. Is there something you're struggling with? (Note: Please avoid grammatical mistakes or uncommon abbreviations so that I can understand you better)". The user asks "Where is the Home Page?", and the AI responds "Understood! For this one, simply navigate to the taskbar at the bottom of the screen and tap the Home button (the first button). Need help with anything else?". The user then asks "How can I search a product?", and the AI responds "Understood! For this one, simply navigate to the taskbar at the bottom of the screen and tap the Search button (the second button with a magnifying glass)".

## Browse Page



## Listing Page

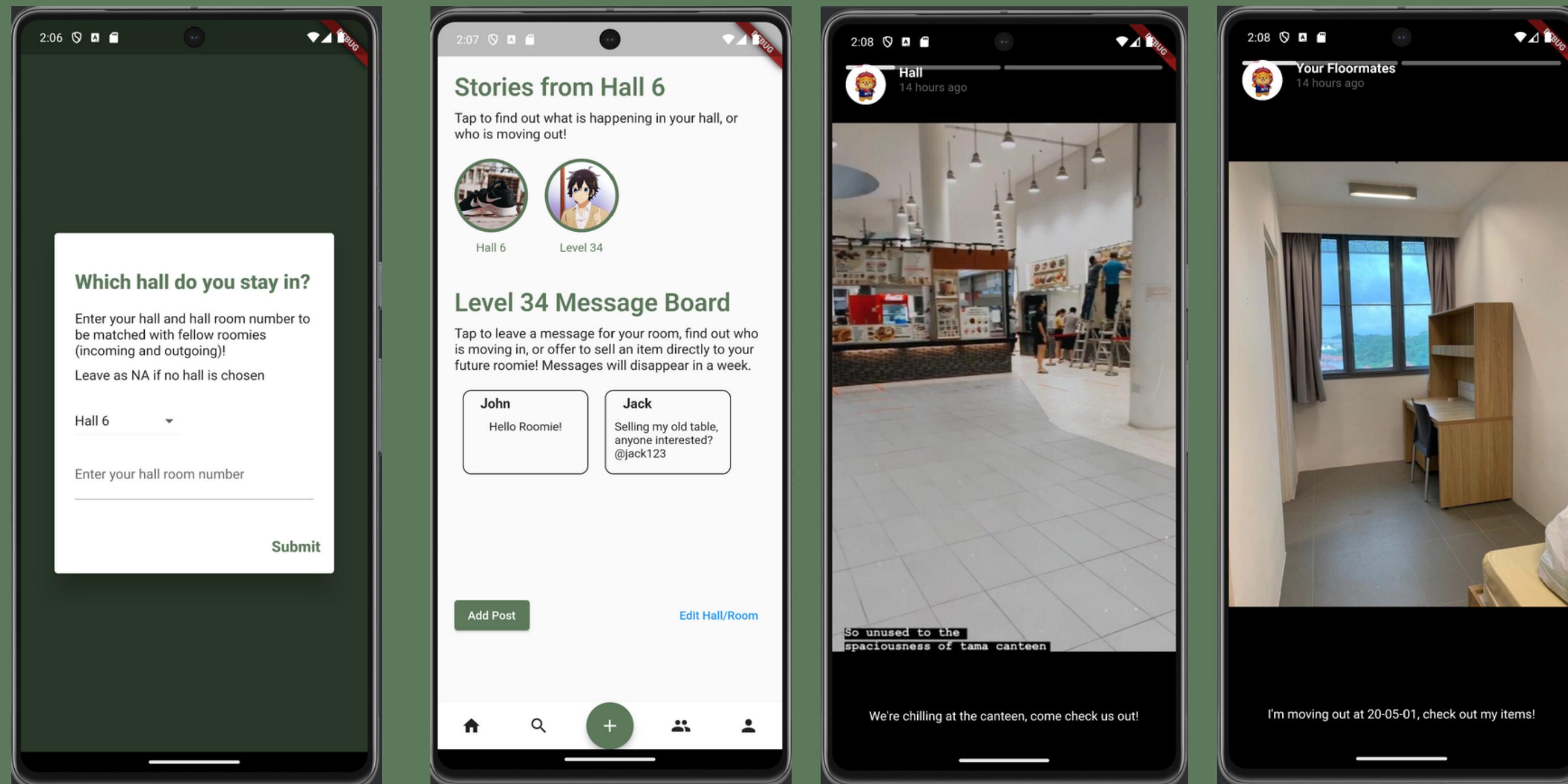


Upload upto 4 photos

Fill in all the details

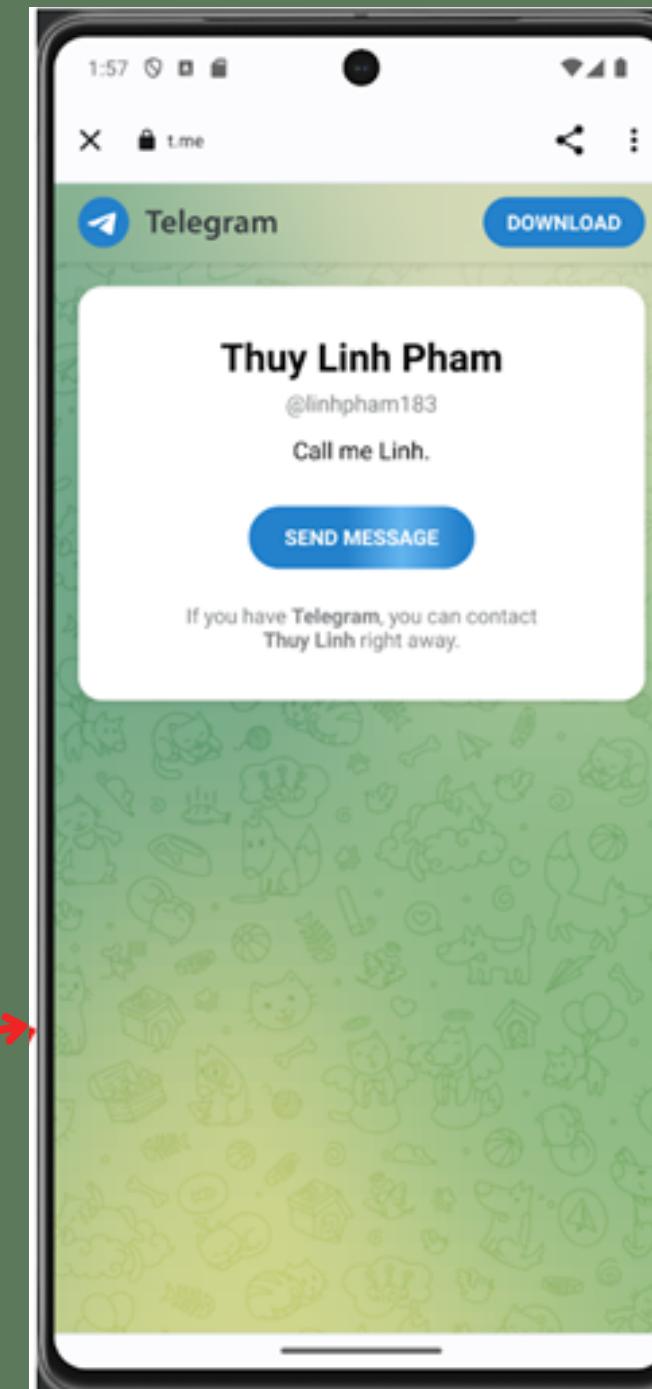
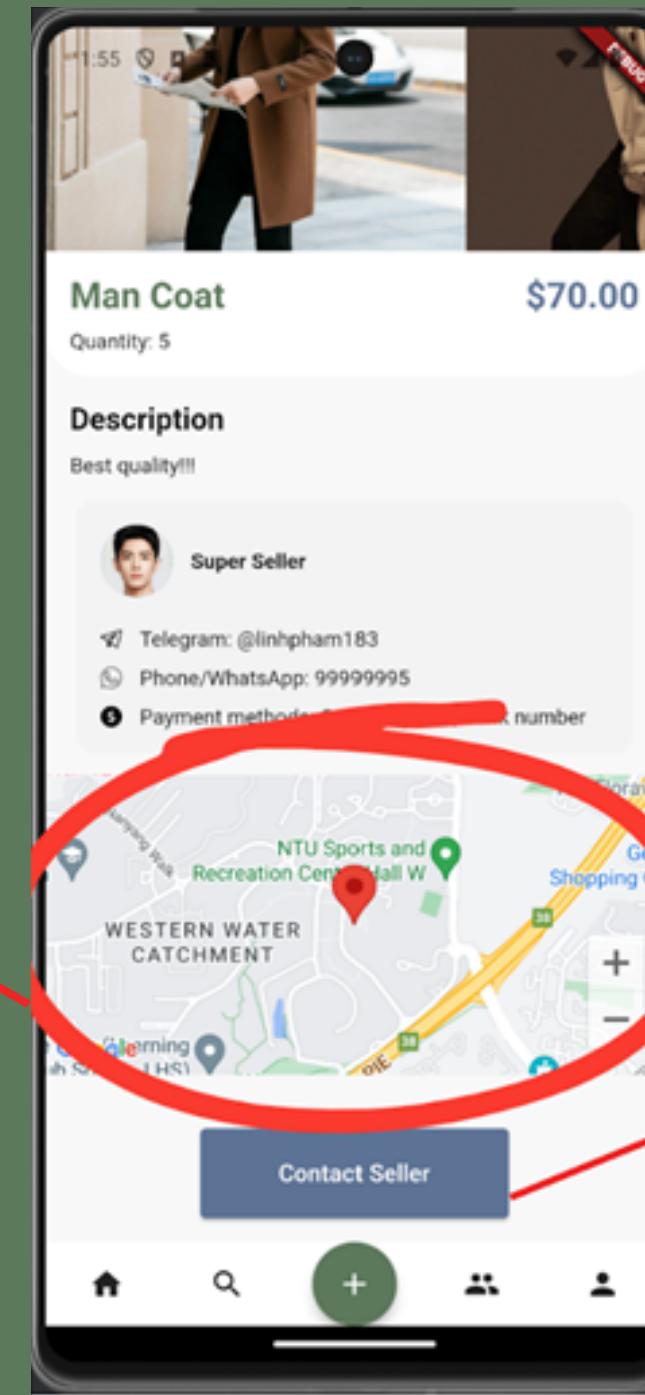
Click here to list the item

# Community Page



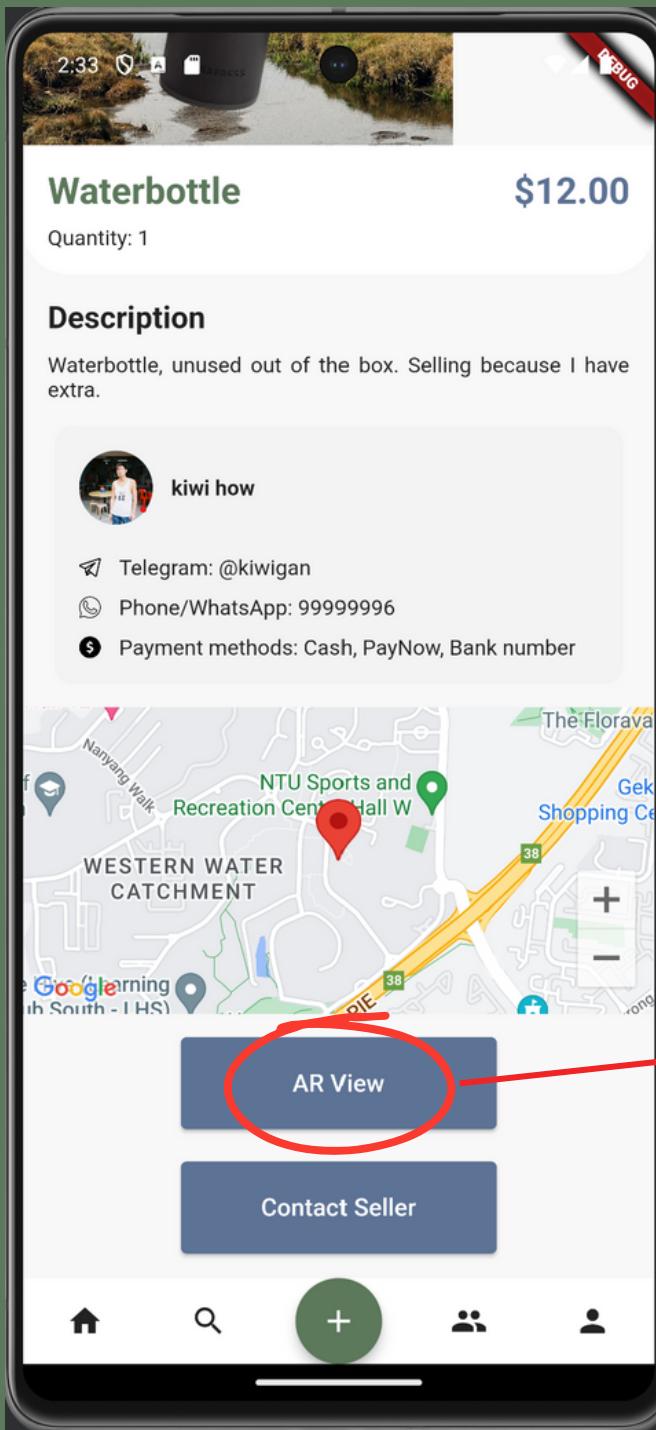
See messages, stories, and the latest listings of your hallmates  
You can easily buy from those who are moving out!

# Product Page

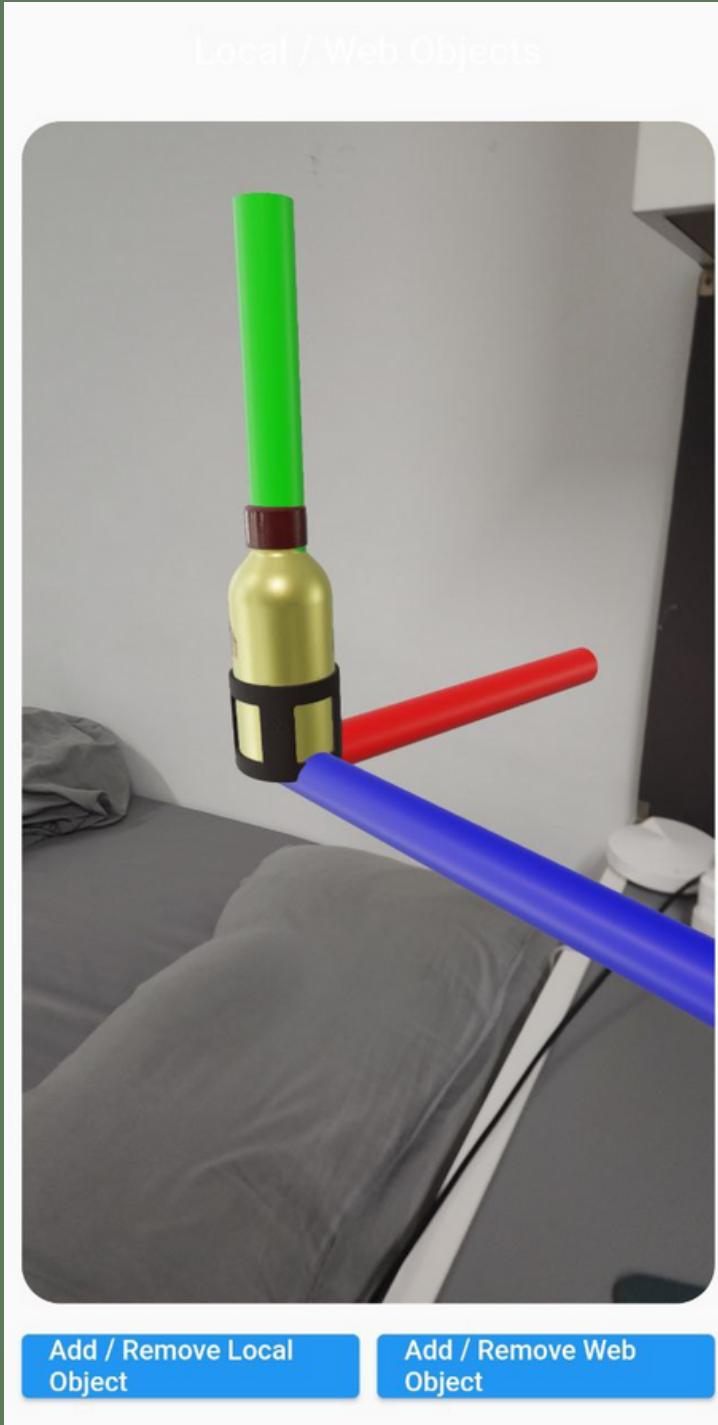


Seller's location

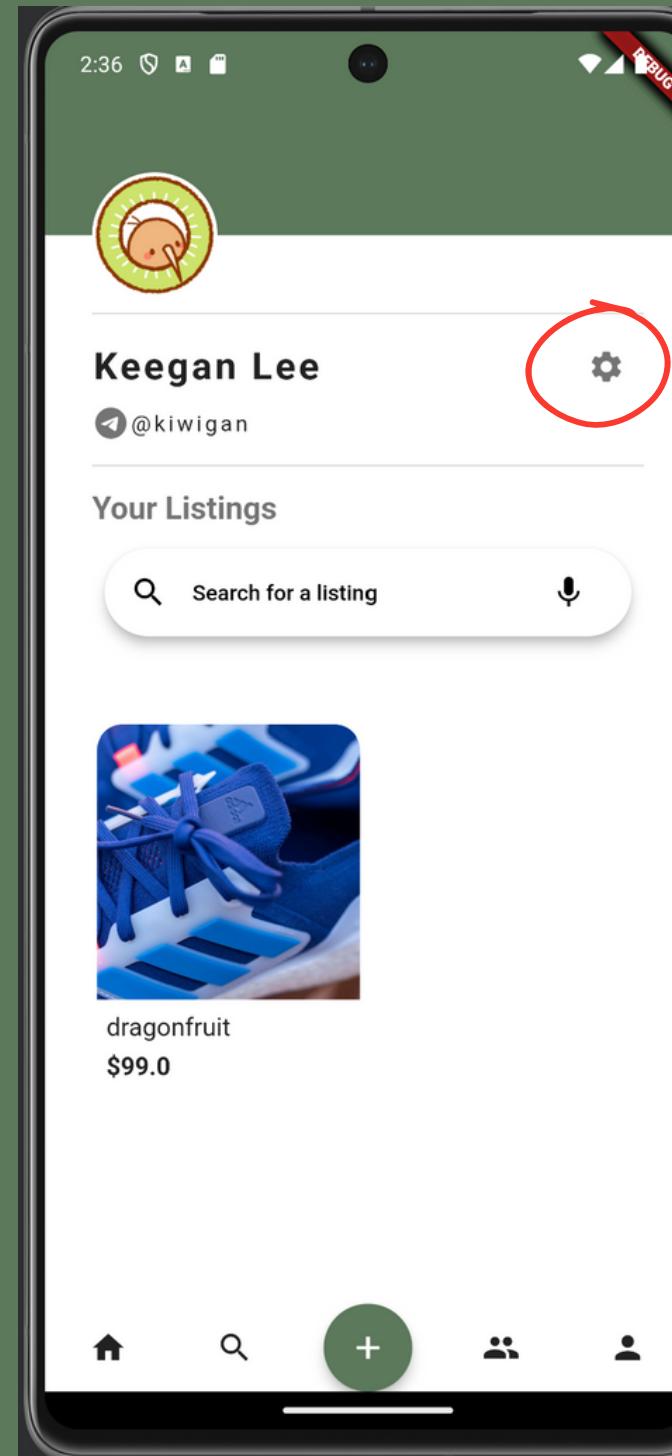
## Product Page



Some products have  
AR View

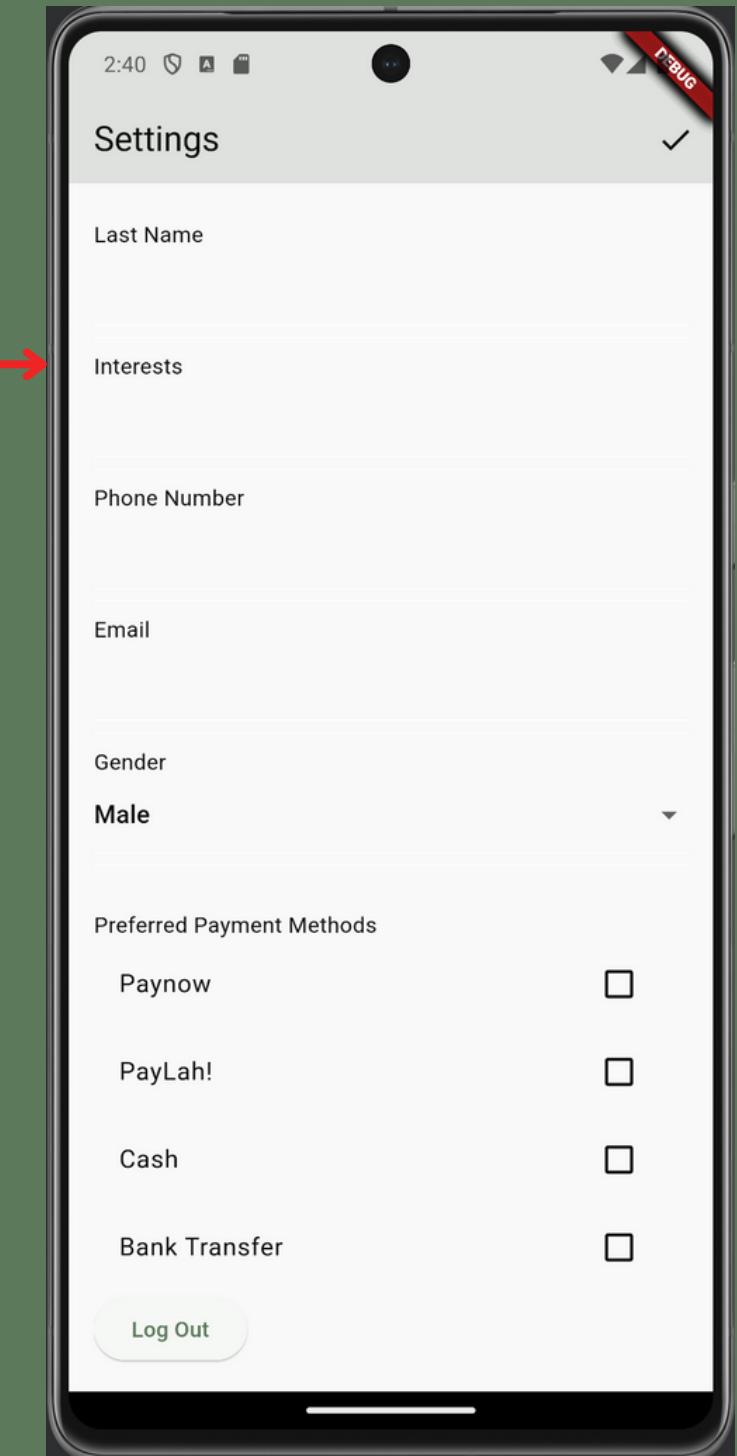


# Profile/Settings Page



## Profile page

See all your listings



## Settings page

Change your information here

# HOW IT WORKS



# App Demo

*<insert app demo video>*



# TECHNOLOGY STACK

# Technology Stack

01.



*Frontend:*  
**Flutter**

02.

*Backend:*  
**Spring Boot**



03.

*Database:*  
**MySQL**



04.

*AI Chatbot:*  
**DialogFlow**



# FUTURE DEVELOPMENT



# Monetisation Models



Delivery  
Commissions



Pay-for-  
Exposure



Collaborations  
/ Partnerships

# Future Plans



**Collab with SAO and  
NTUSU to reach out to  
more students**

**Technology advancement  
for scalability**



**Introduce the “administrator”  
role to monitor and oversee  
the platform**





# CONCLUSION

# Our app solves students' problems with:



Search Function



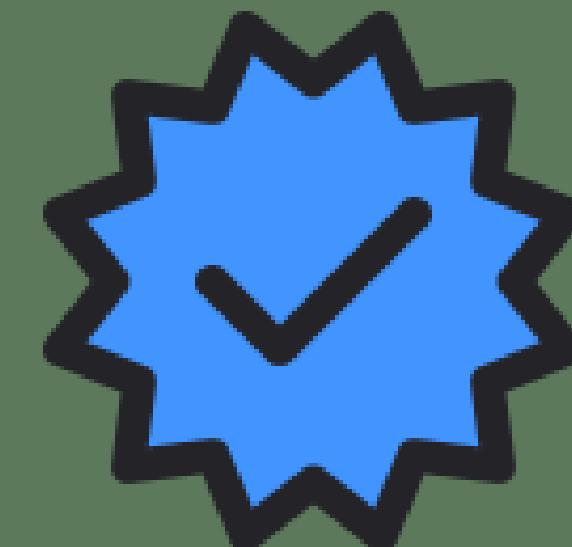
Delivery & Community



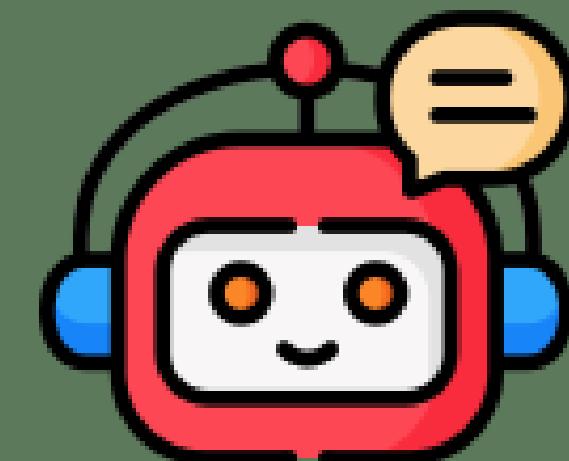
Affordability



No Advertisement



Verification



AI Chat Bot

# THANK YOU!

