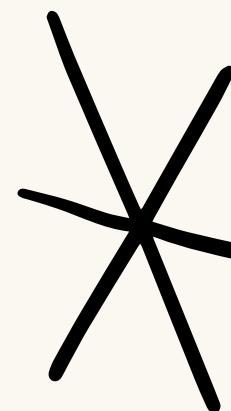


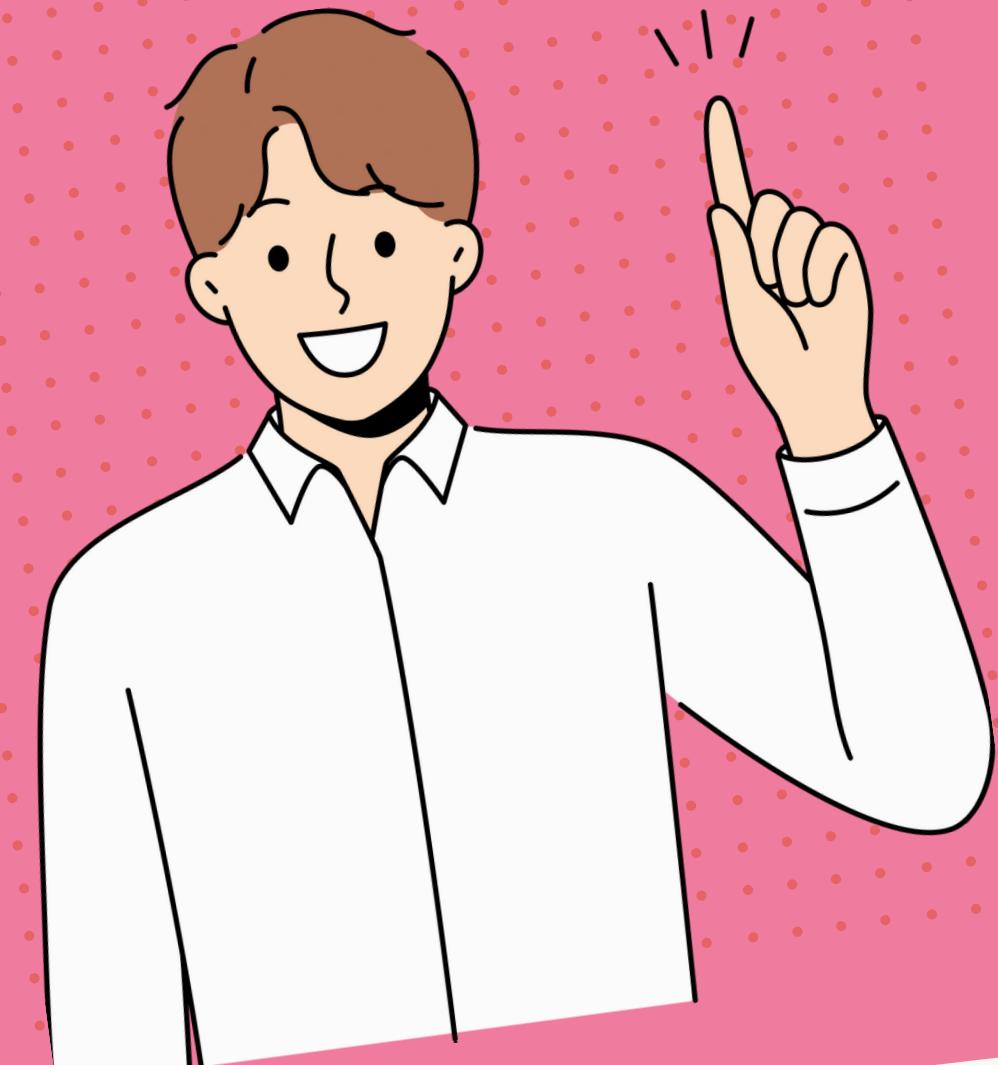
Agenda

1. Goal
2. User Stories
3. Wireframes
4. Sitemap
5. Class Diagram
6. Non-functional Requirements
7. Risks
8. Framework Comparison
9. Future Iterations



GOAL

TU-commerce



- **GOAL**

Create an e-commerce application for Students in Thammasat University and the community around here

- **VISION**

Establishing a platform for buying and selling goods within the university and its community consolidates both second-hand and first-hand markets. It offers opportunities for mid-sized brands and students to start their own businesses, thereby fostering growth and prosperity.

- **PROBLEM SOLVING**

Currently, students require affordable appliance items for their study-living needs, while others seek to sell unused items for extra income. Additionally, some students aim to sell food or snacks to supplement their finances. This platform facilitates buying and selling, ensuring convenience and minimizing fraud risks associated with text-based communication.



USER STORIES (FEATURES)

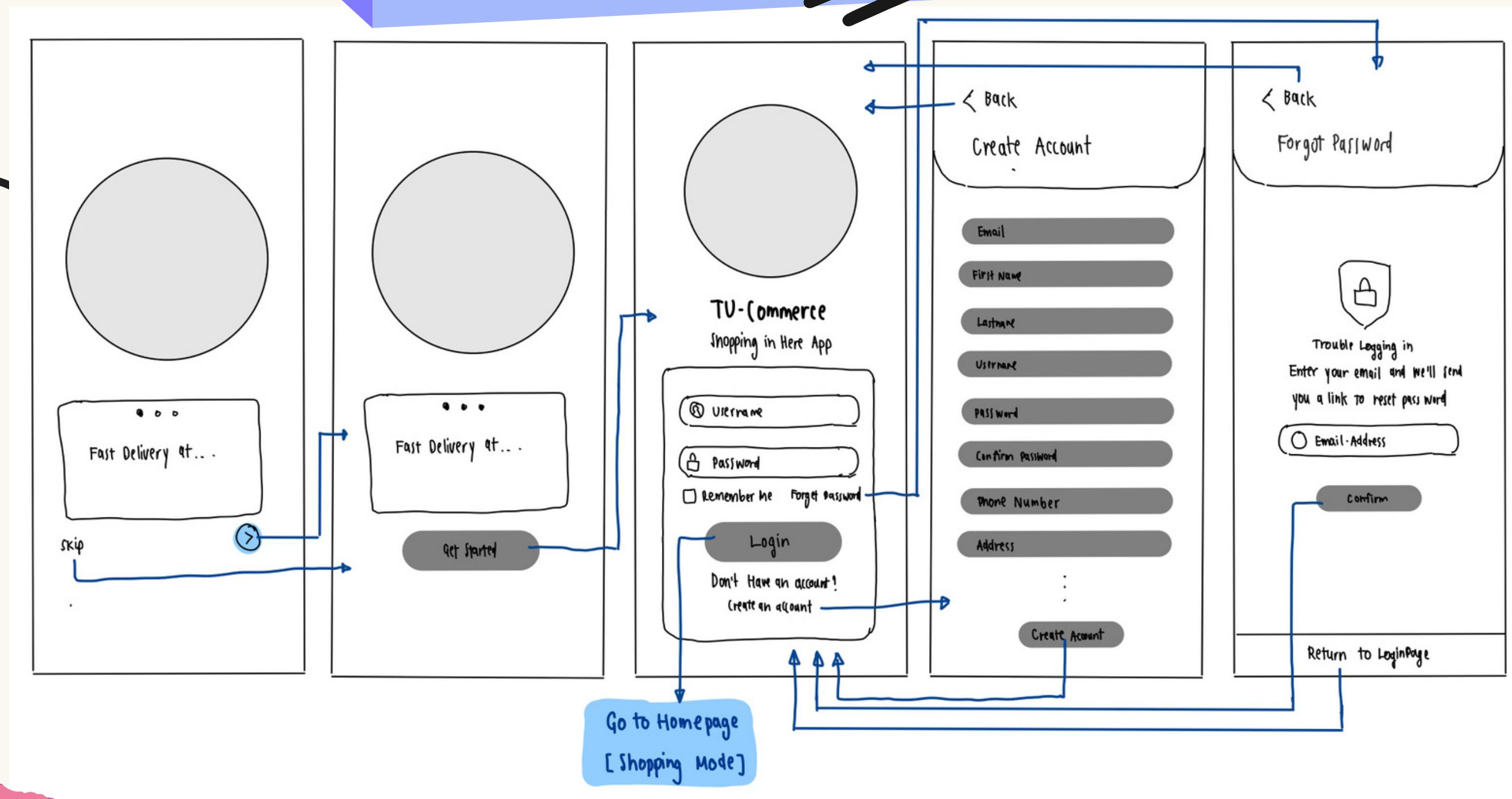


- REGISTER
- PROFILE
- FAVORITE
- CATEGORY
- WALLET
- CHANGE MODE
- STOCK
- CHAT
- LOCATION
- TO SHIP
- NOTIFICATION
- HISTORY



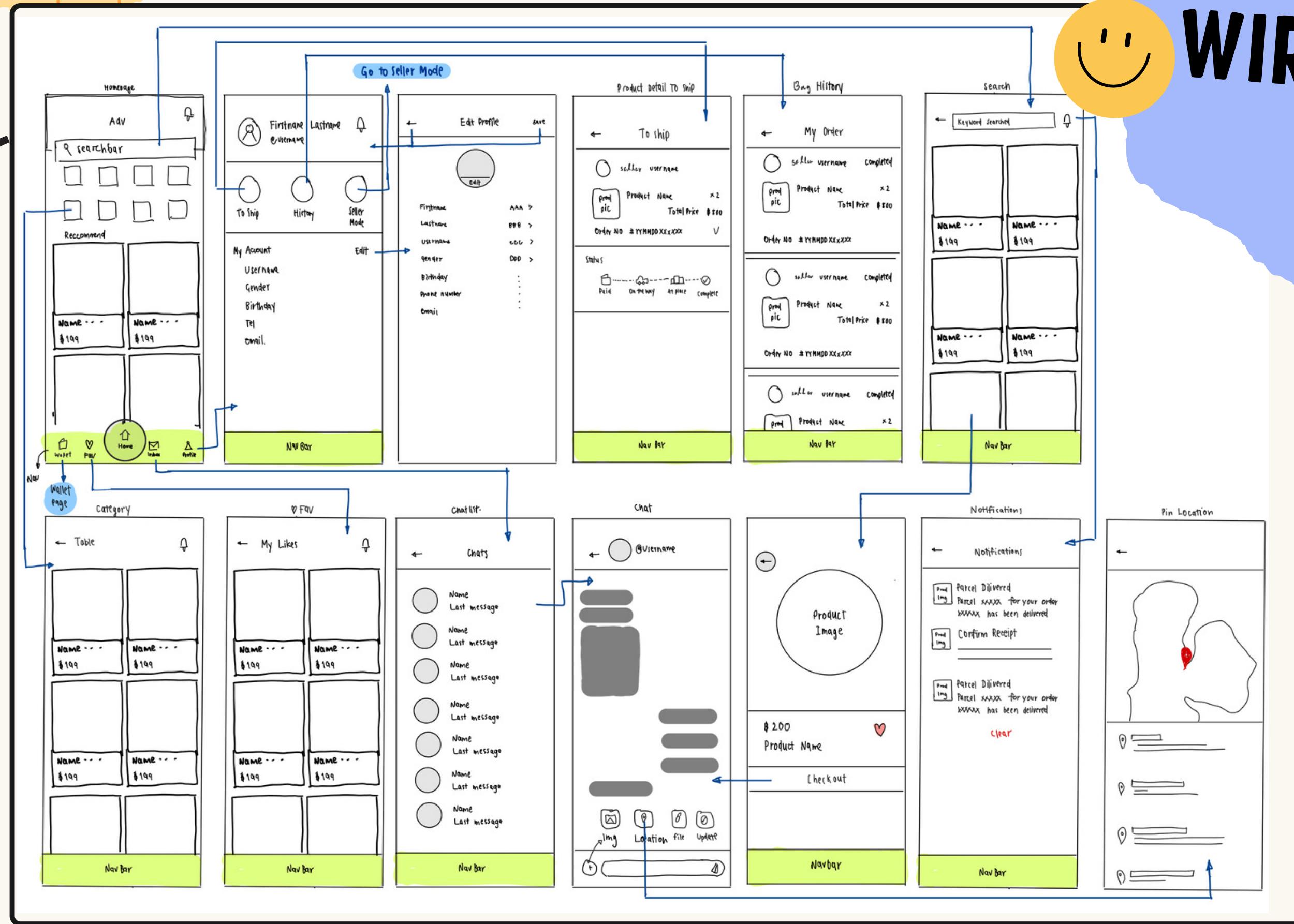
WIREFRAMES

Login Part



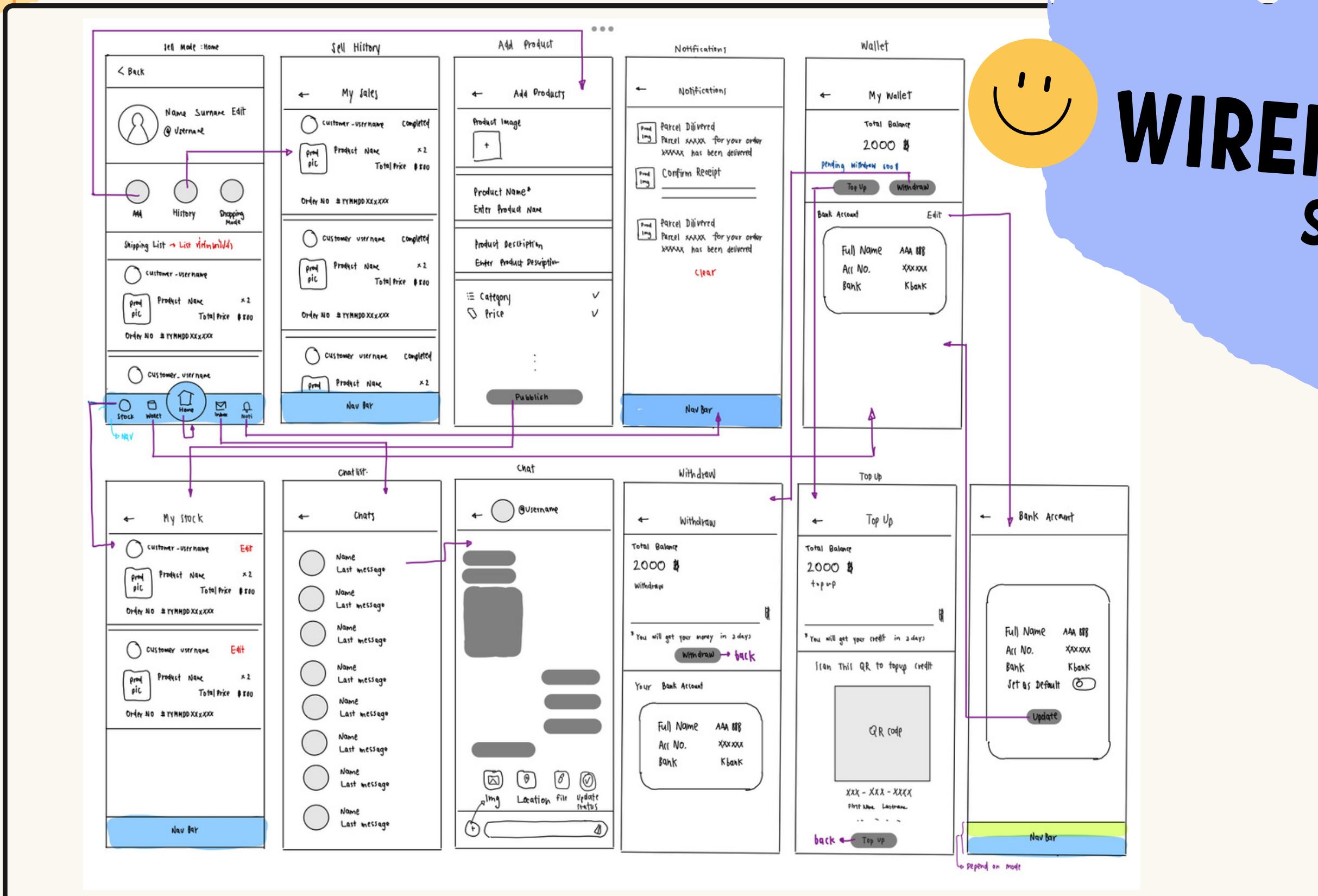
WIREFRAMES

Shopping Part



WIREFRAMES

Selling Part



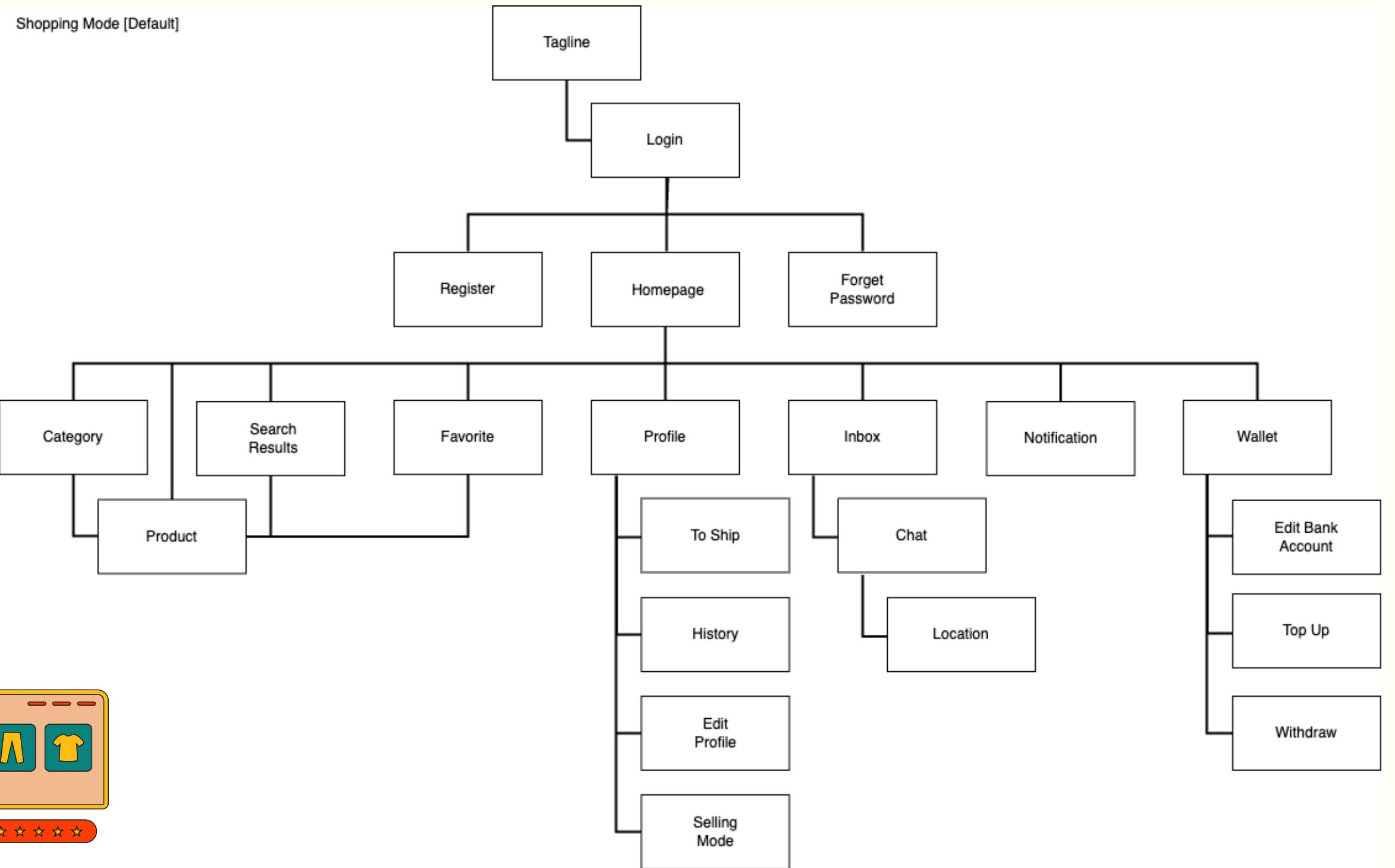


Sitemap

Shopping
Mode

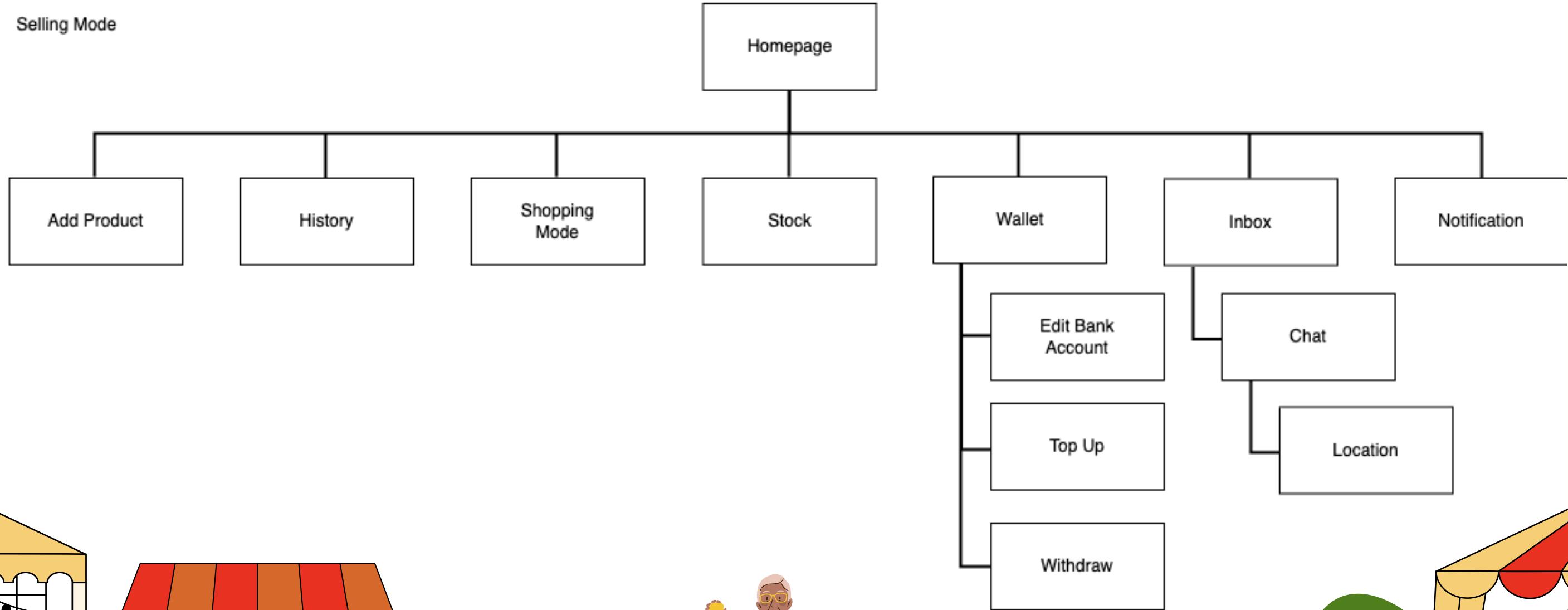


Shopping Mode [Default]

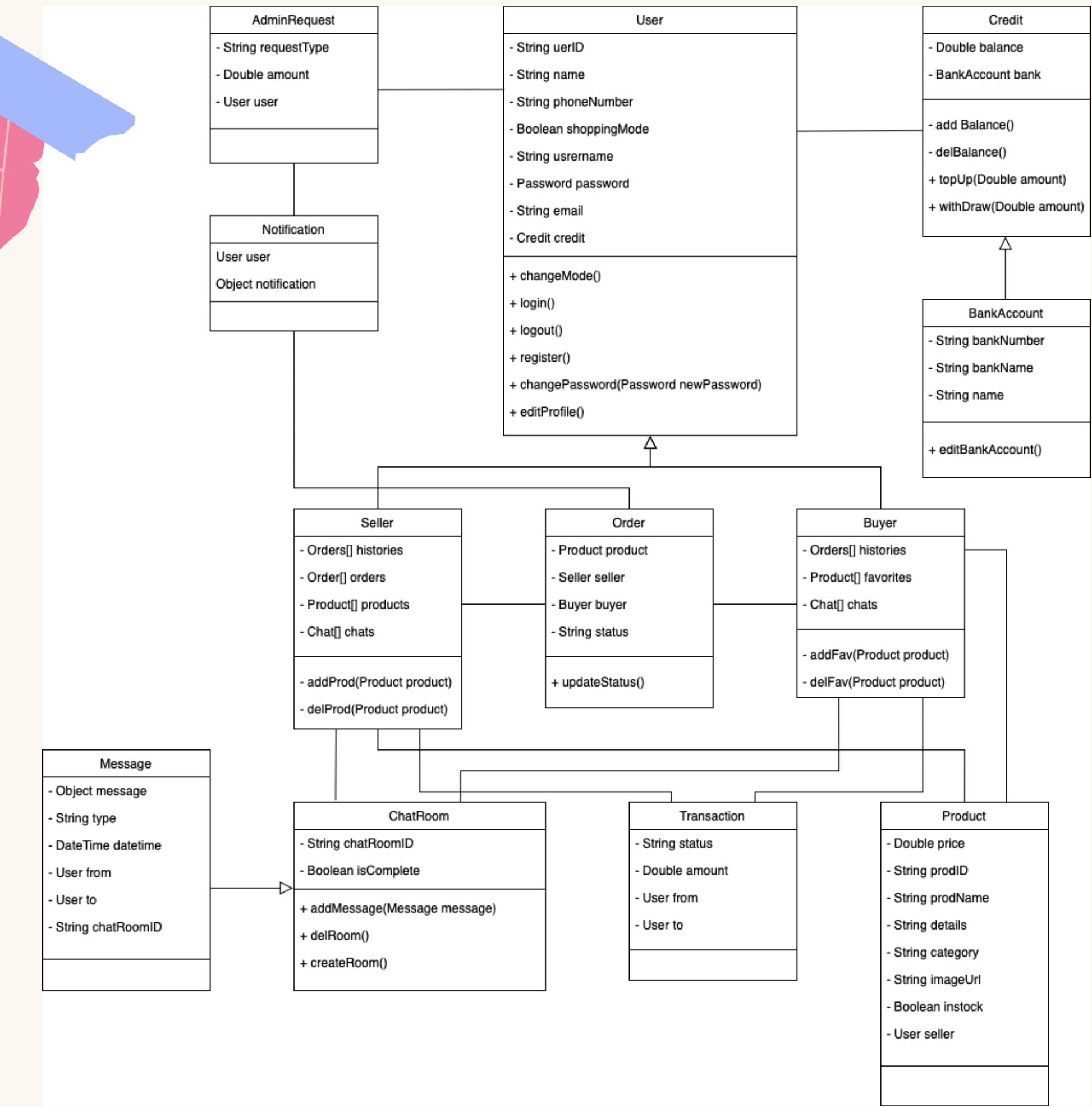


SITE MAP

Selling Mode



Class Diagram



Non-functional REQUIREMENTS

- 1 The application must be built in Flutter framework
- 2 The application must be use Firebase as database
- 3 The application must able to run on iOS and Android OS
- 4 The application must be responsive (work well and look good on all screen sizes)

RISK

Quality

Framework

Location

- Concerns about maintaining project quality standards,
- Dart Language is a new language for us so we never use this before. All of us have to studying totally before start this project
- To set a location to pick-up items. Both seller and buyer have to agreed on the location.

why
FLUTTER??



VS

REACT NATIVE

LANGUAGE

DART

SIZE APP

SMALL SIZE APP

UI CONSISTENCY

CONSIST UI

SECURITY

MORE SECURITY THAN

DEVELOPMENT SPEED

FASTER

THIRD PARTY

EXTENSIVE WIDGET LIBRARY AND
FLEXIBILITY IN UI CUSTOMIZATION

LIBRARY VS WIDGETS

LESS SECURITY THAN

SLOWER

UPDATING APP

HAVE TO RELY ON THIRD-PARTY
LIBRARY AND TOOLS FOR TESTING

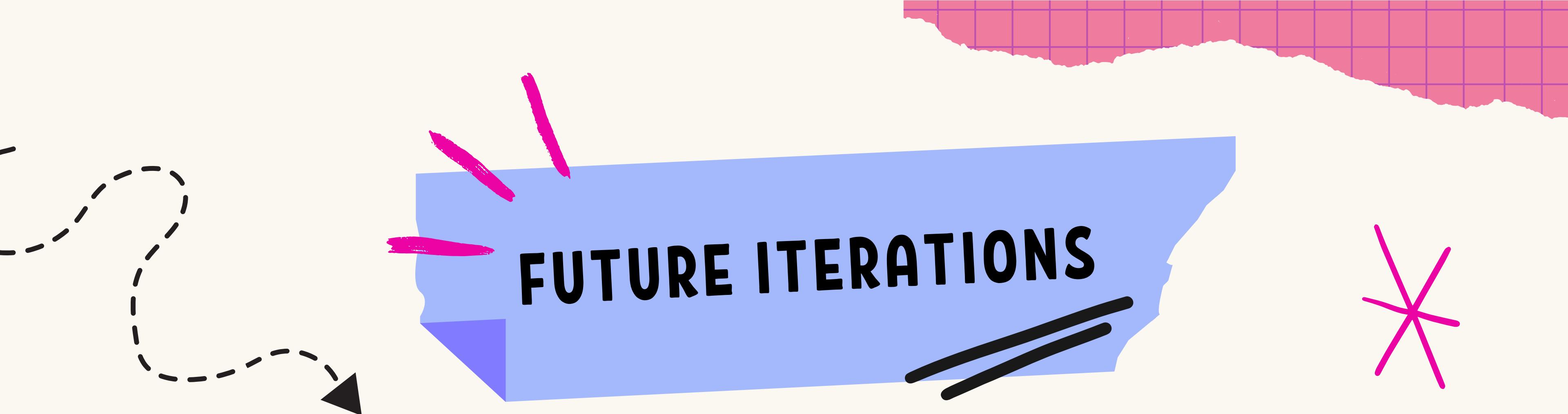
OWNERSHIP

MORE AUTOMATED THAN

GOOGLE

LESS AUTOMATED THAN

FACEBOOK (META)



FUTURE ITERATIONS

REVIEW & REPORT

When the trading was done. User will be able to rate and review seller. Also, user can report seller when there are any troubles in product or services.

MORE PAYMENT METHODS

User will have more choices of payment method such as directly pay via mobile banking or credit & debit card.

MORE CLUSTER LOCATION

There will be more community that can use this application other than around Thammasat University.

THANK YOU!

