



# Campus Group Buy APP



## Team 7

김종윤\_2018311112

민경민\_2017314309

박정재\_2018314121

웨이칭\_2022313057

이성윤\_2018312483

이재성\_2018311492

# Outline

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**Backgrounds & Needs**

# Backgrounds -

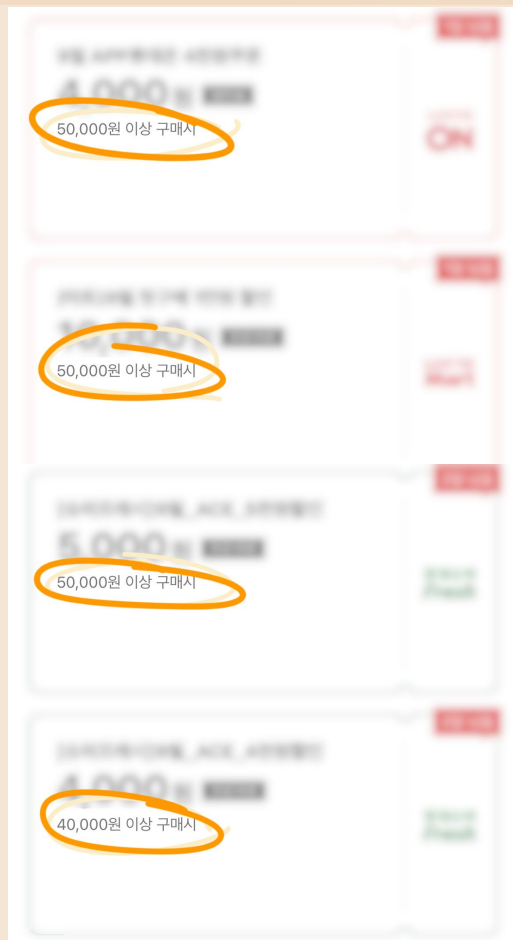
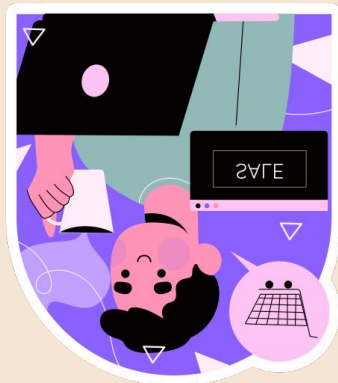
## Motivations

### Scene1

Nowadays we increasingly rely on online shopping in our daily life.

We found that if we want to use coupons while online shopping, we always have to reach a certain purchase amount...

However, most of the time we need to add some unwanted items to reach the given amount.



# Backgrounds - Motivations

## Scene 2

Supermarkets and Convenience Stores are frequently visited by college students. Each month, they offer a wide variety of 1+1 events. Also, it is common to offer 1+1 events while online shopping.



It also  
happens  
when  
online  
shopping



In fact, we **don't need** two bottles of the same drink, or two clothes of the same style.



# Backgrounds - Scene 3

## Motivations

대한민국 : \$350 USD 이상 주문 무료 배송.

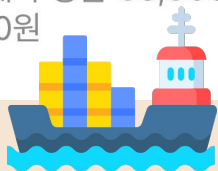


When shopping online, it usually takes over 40,000 won to get free shipping.

 CJ 대한통운 | 수요일 10/3 도착 예정

무료배송 (같은 판매자 상품 39,800원 이상 구매 시)  
그 외 배송비 2,500원

34,010원 추가주문 시, 무료배송



When shopping overseas, usually need to be over \$100-500 to get free shipping.

₩53,999 KRW away from free shipping

KRW 8,373 delivery Oct 7 - 10



When ordering takeout, it can be more cost-effective to split the delivery fee between two or three people.

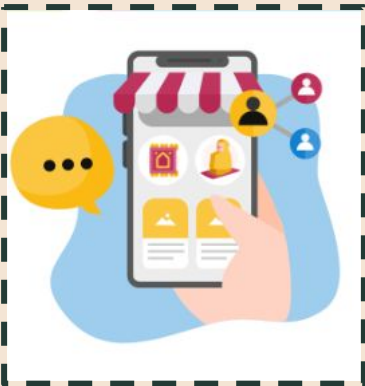
Delivery Oct 3 - 7

Republic of

# Backgrounds - Introduction



Although sometimes we can find info about group buying through SNS.



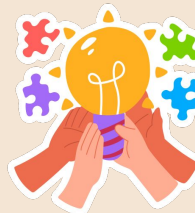
Therefore, we want to build an APP that can help us save daily costing through group buying.



As it will be a campus APP, it can be a relatively safe platform.



There is too much other info on SNS too, which makes it hard to find what we need.



Also, we may find like-minded alumni and become friends.

# Goals & Method

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Requirements

# Goals - Main objectives



**Connect people who want to buy things together**





## Goals - Function details



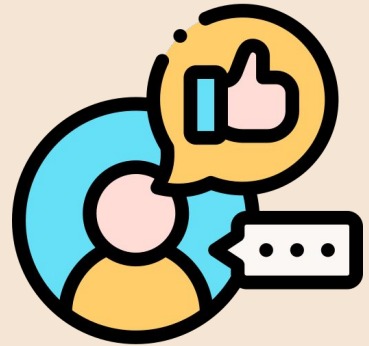
Make  
Suggestion



Join in the  
Group-Buying



Communicate with  
group member



Review or  
Comments



# Goals - System details

Suggest Group Buying

Upload Text, Images,...

Set target number of people

Join a Group

Notificate progress of Joined Group

Communicate with Group

Chat room for Group

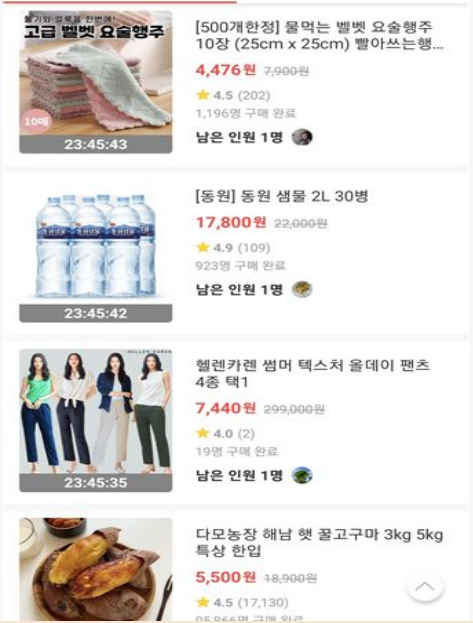
Review

Share the experience of Group Buying



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Suggest Group Buying



**Set detailed Information of Group Buying**

Users can recruit participants of group buying by listing detailed information like price of product or target number of people.

This provides an opportunity for people to buy items that are burdensome to buy alone.



# Goals - System details

Join a Group

정애*	1명 남음 23:31:02.6	참여하기
조영*	1명 남음 22:45:09.2	참여하기
블루...	1명 남음 22:32:42.1	참여하기

## Notificate progress of Joined Group

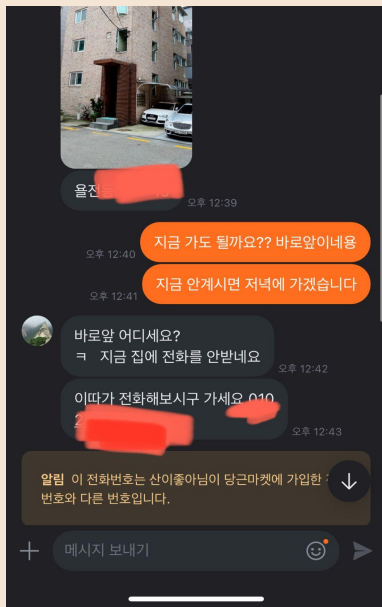
Displays the target number of people and the current number of participants in the group buying.

This increases reliability by providing participants with detailed information on the progress of group buying.



# Goals - System details

## Communicate with Group



## Chat room for Group

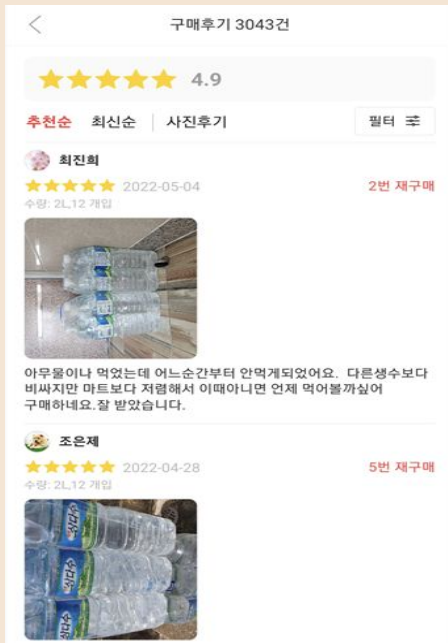
It provides a chat room function so that people can determine details such as payment method and receipt method for the group buying.

This helps communicate among participants so that the transaction can be done smoothly.



# Goals - System details

## Review



## Share the experience of Group Buying

People can leave reviews or evaluate satisfaction whether the group buying they participated in was effective.

This will allow people to review and confirm that the deal is reliable the next time they participate.



# Method



Android  
Studio

For App-Development  
Environment



Adobe XD &  
illustrator

For designing UI/UX



AWS RDS &  
EC2

For Database &  
Server Environment

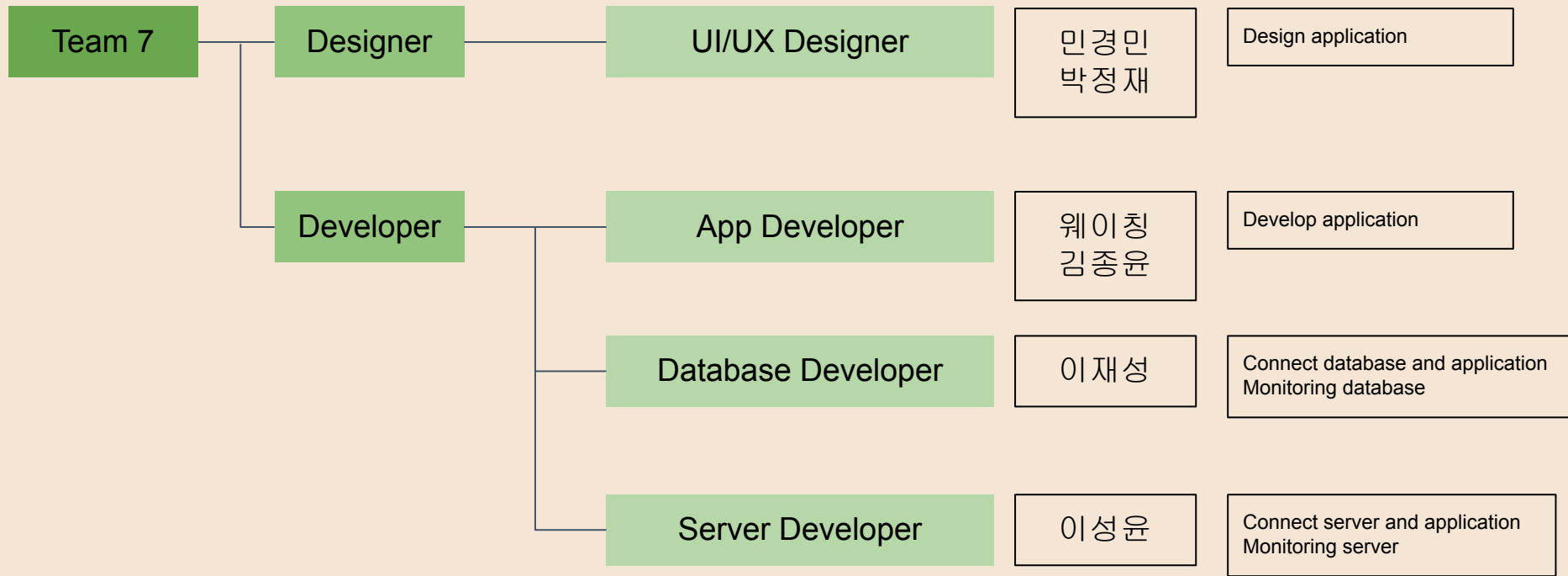


Github

For Open-Sources &  
Collaboration



# Team Role(tentative)





# Plan

Schedule												
Contents		Timeline										
		Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11
Requirements	Requirements Definition											
	Requirements Specification											
Design	Development Manual											
	System Architecture Design											
	Interface Architecture Design											
Implement & Test	Programming / DB, Server Construnction											
	Test Plan											
	Unit Test											
	Continuous Integration											
	Verification / Validation											
Requirements	User Manual											
	Deployment											
	Maintenance											



# Benefits

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**What You Can Get With This Service**

# Overview



Locality



Supports Small Scale



Time-Saving



## Benefits - Locality

NO MORE packages for distribution



- Buy what you want with nearby people
- Don't need to send package for distributing
- Just buy and distribute them in campus!



## Benefits - Supports Small Scale

Buy one get one free, but what if you ONLY NEED ONE?



- Also supports small scale of group buying
- Gather people, buy it, save money
- Best feature for people with no refrigerator



# Benefits - Time Saving

ALL-IN-ONE: From group finding to communicating



- Don't use another chatting service
- Find group, contact, and communicate
- Provides all features which you need

