유생찾기

Finding friends for the same purpose

at close distance

Team 7

CONTENTS

1. Overview
2. Goals & Methods
3. Team & Strategy
4. Plan & Effect

PART 1

Overview

1. Background
2. Market Status

Background

Who do I do with **my team project**?

How can I **make my group**?

I need friends to **eat lunch together**.

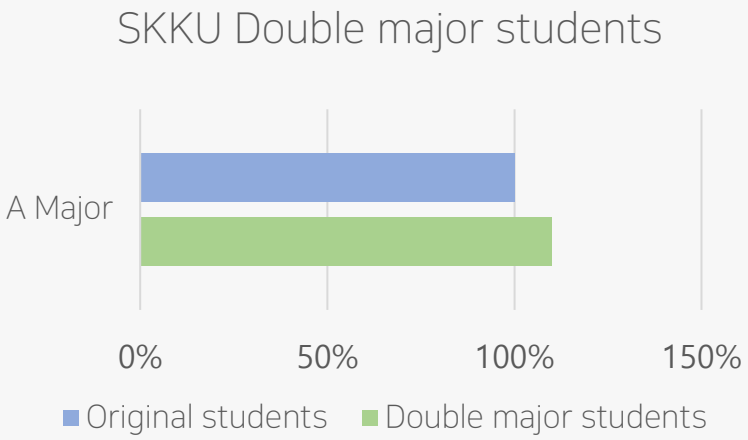
How can I **find my lunch mate**?

In college, we don’t have a lot of opportunities to make new friends.

01 Overview

Background

1 Double major students

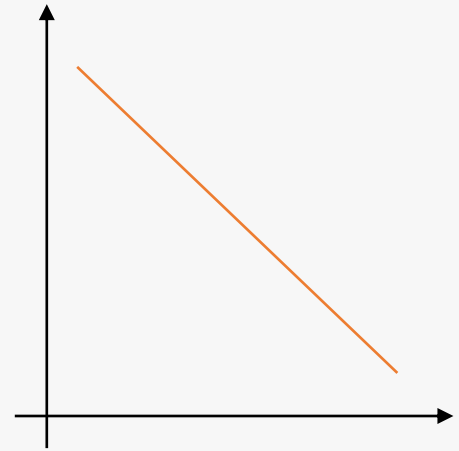


There are a lot of double major students in SKKU. Therefore, there is not enough opportunity to make new departments, and even new campus friends.

2 Military matters

In the case of most of the male students, friends are scattered when they come back from the army because the timing is different.

3 Senior year



As students go up to the senior year, they have a significantly lower chance of making friends than they did in your freshman year.

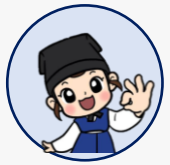
There are many reasons why there is not enough opportunity to make friends.

01 Overview

Background

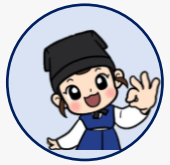
26, Male
Computer Science

I don't have many chances to make friends because I'm in the **senior year**. I need a friend to **share career concerns**, and work on a **project together**.



23, Female
Economics & Software

The department changed and the campus changed as I majored in **double major**. I need a friend to **take classes together** and **share information**. A friend who can **eat with me**, too.



22, Female
Mathematics

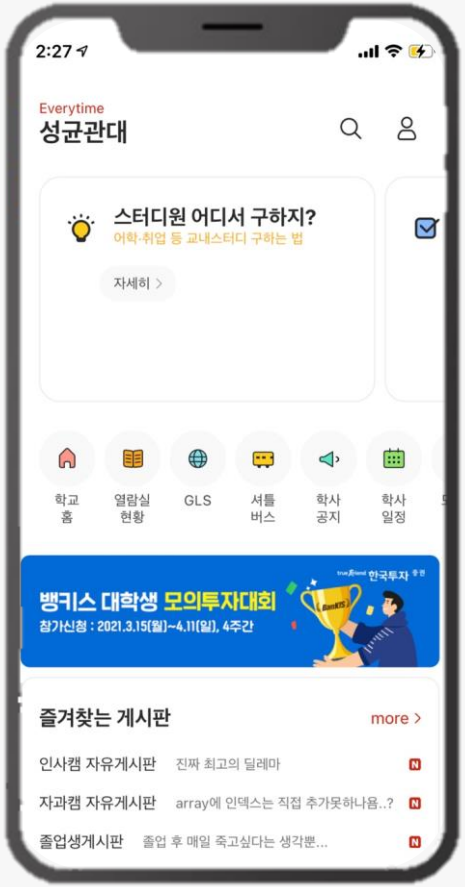
When I was a freshman, I didn't do much in my department or club activities, so I hardly made friends. I need a friend to **meet on campus** and **eat together**.

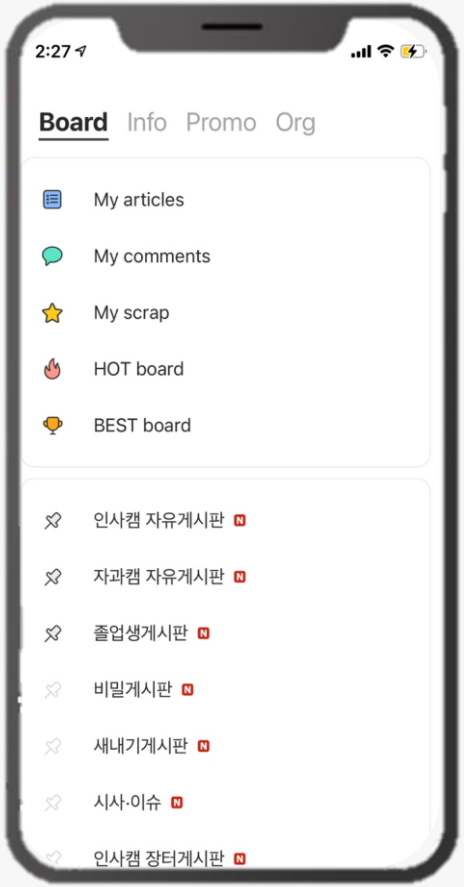
Students want to interact with friends for various reasons.

01 Overview

Market status

There are three kinds of communities to connect with students in SKKU.





1. Everytime

Analysis

Basic description: Community accessible to the entire students, Multiple bulletins formed.

- Information Sharing: O

1. CAN find information about school life
2. But there is a limit to getting the answers you want because there are so many users and so many articles are posted in real time, so the posting is pushed back to new posting

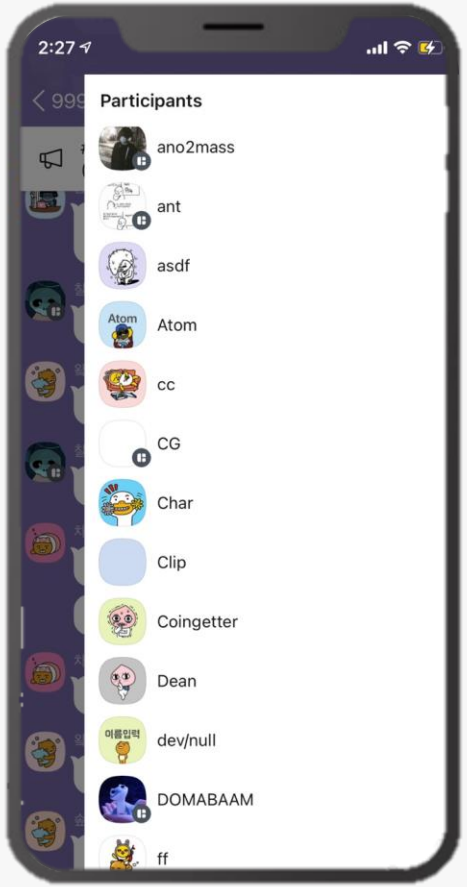
- Promoting friendship with friends with the same purpose: X

1. NOT easy to form friendship freely
2. Anonymity and various topics are posted.

Overview

Market status

There are three kinds of communities to connect with students in SKKU.



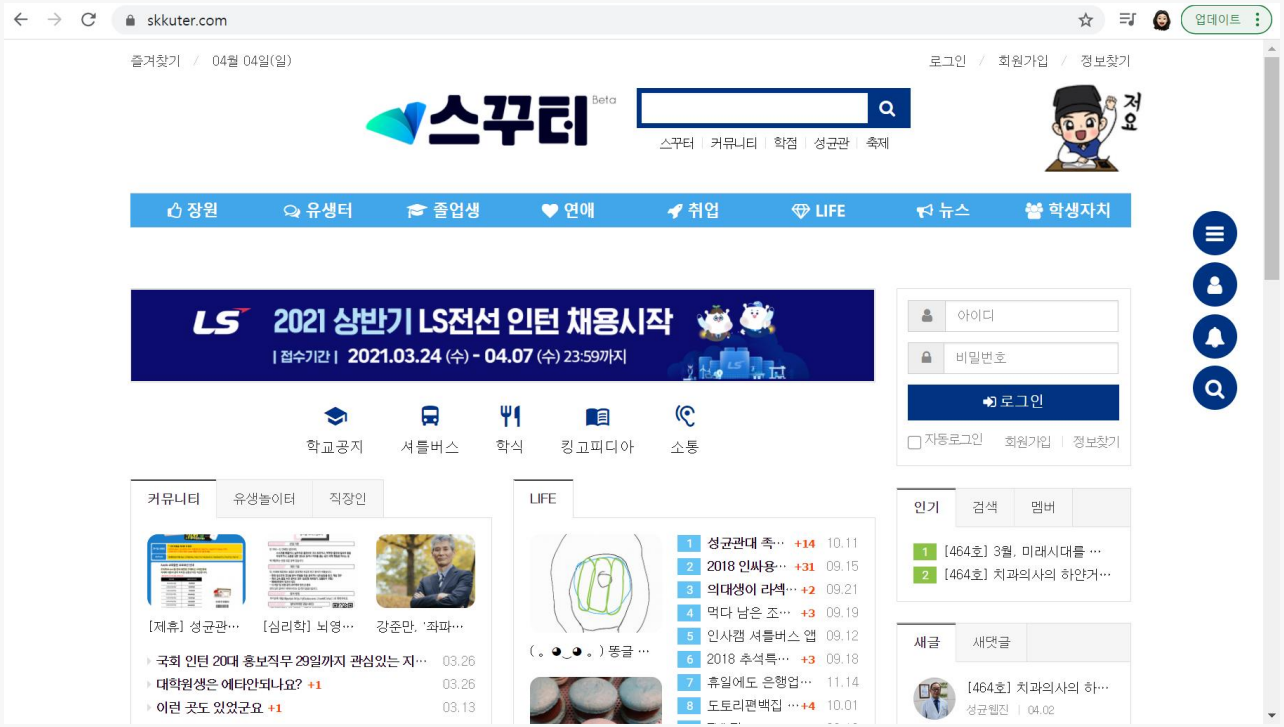
2. Kakao open-chatting room

Analysis
Basic Description: Group chat composed of the same department or club.
- Information Sharing: O 1. Compared to Everytime, it is easier to share specific information among the same groups
- Promoting friendship with friends with the same purpose: X 1. Usually anonymous 2. Short-answer Q&A form rather than long-term conversation Realistically, it is difficult to form a friendship.

01 Overview

Market status

There are three kinds of communities to connect with students in SKKU.



3. SKKUTER

Analysis

Basic description: Communities accessible to current students and graduates

- Information Sharing: O

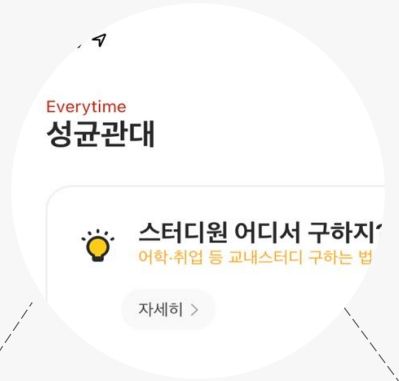
1. low accessibility due to web page access required, consequently activation failed

- Promoting friendship with friends with the same purpose: X

1. It is practically difficult for current students, not graduates, to find friends

Market status

“ Everytime “



There was no community in SKKU that could actually make friends by doing social work.

“ Kakao open-chatting room ”

“ SKKUTER”

PART 2

Goals & Methods

1. Goals
2. Methods
    1. System structure
    2. Development tools

Goals

It recommends a friend who is close to you

> It is easier and more enjoyable to make friends with same purpose in SKKU.

Example

- Lunch at 1 o'clock
- Find study member
- Looking for team members in SE class
- You can ask for help.
  Who can lend me a calculator?

Goals – Detailed goals

> It is easier and more enjoyable to make friends with same purpose in SKKU.

Map-based application

You can look at friends who are looking for friends in close proximity.

It recommends a friend who is close to you and suits your purpose.

You can set your own profile.

You can manage your friends list by requesting, accepting, blocking friends.

You can chat with your added friends.

You can share your location with your friends.

You can easily know the location of the school building.

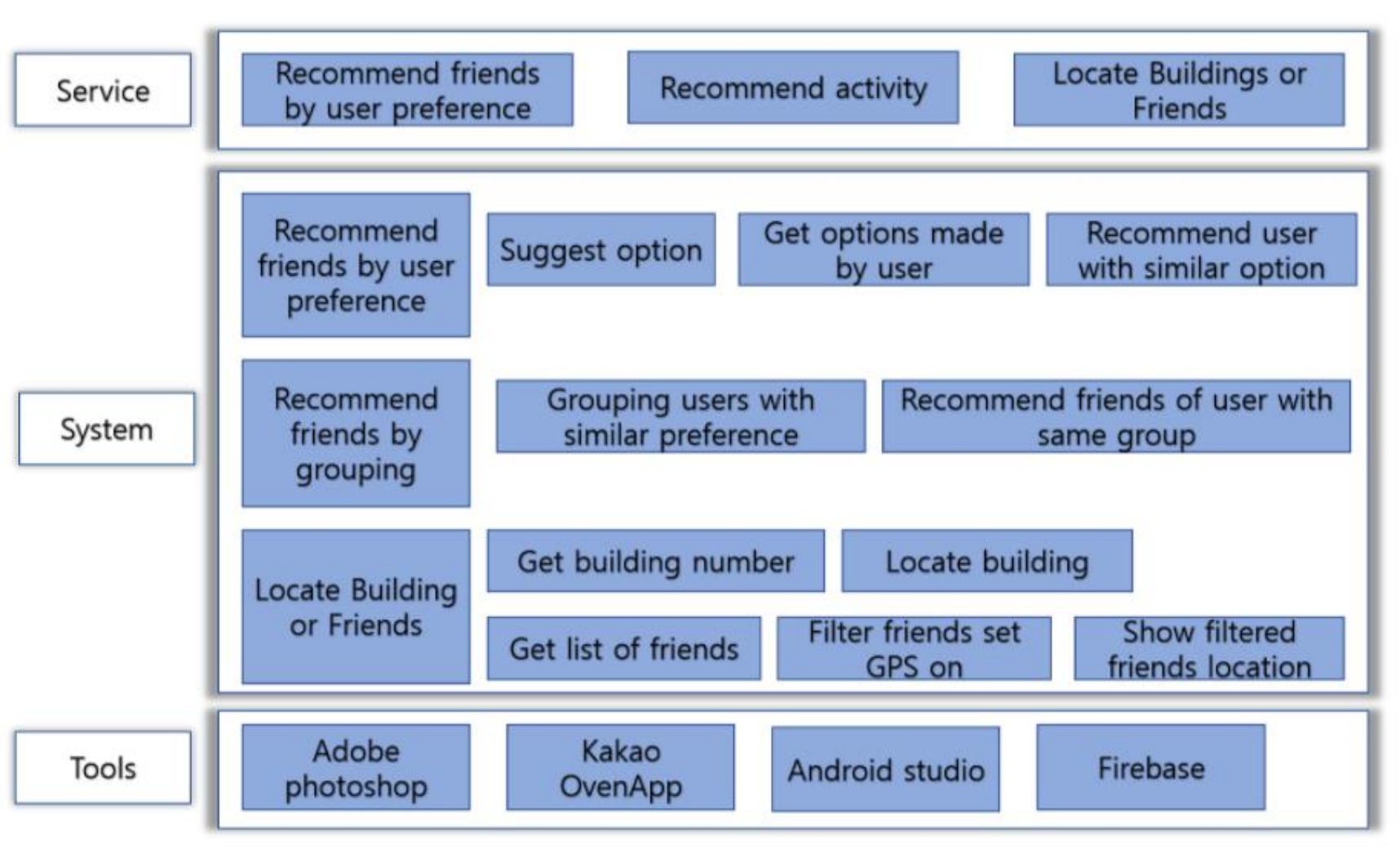
Methods – System structure

<table>
<tr><td colspan="5">System</td></tr>
<tr><td>Front-end</td><td colspan="4">Back-end</td></tr>
<tr><td rowspan="3">UI/UX design

Application
(Front-end)

HTML & CSS</td><td>Application
(Back-end)</td><td>Database</td><td>Server</td><td>Filtering
algorithm</td></tr>
<tr><td colspan="4">Main functions</td></tr>
<tr><td>User account</td><td>Friend
recommendation</td><td>Chat service</td><td>Location-based
service</td></tr>
</table>

Methods – System structure



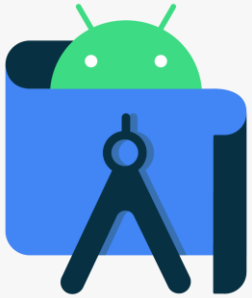
Methods – Frontend tools

Frontend Tools For our APP

- UI/UX design
  - Adobe Photoshop
  - Adobe Xd
  - Kakao OvenApp
- Application
  - Android Studio(XML)

Methods – Backend tools

Backend Tools For our APP



Android Studio(Java)
Application

Firebase

SQLite Database

DBMS

Github
Open source

Node.js

AWS

Server

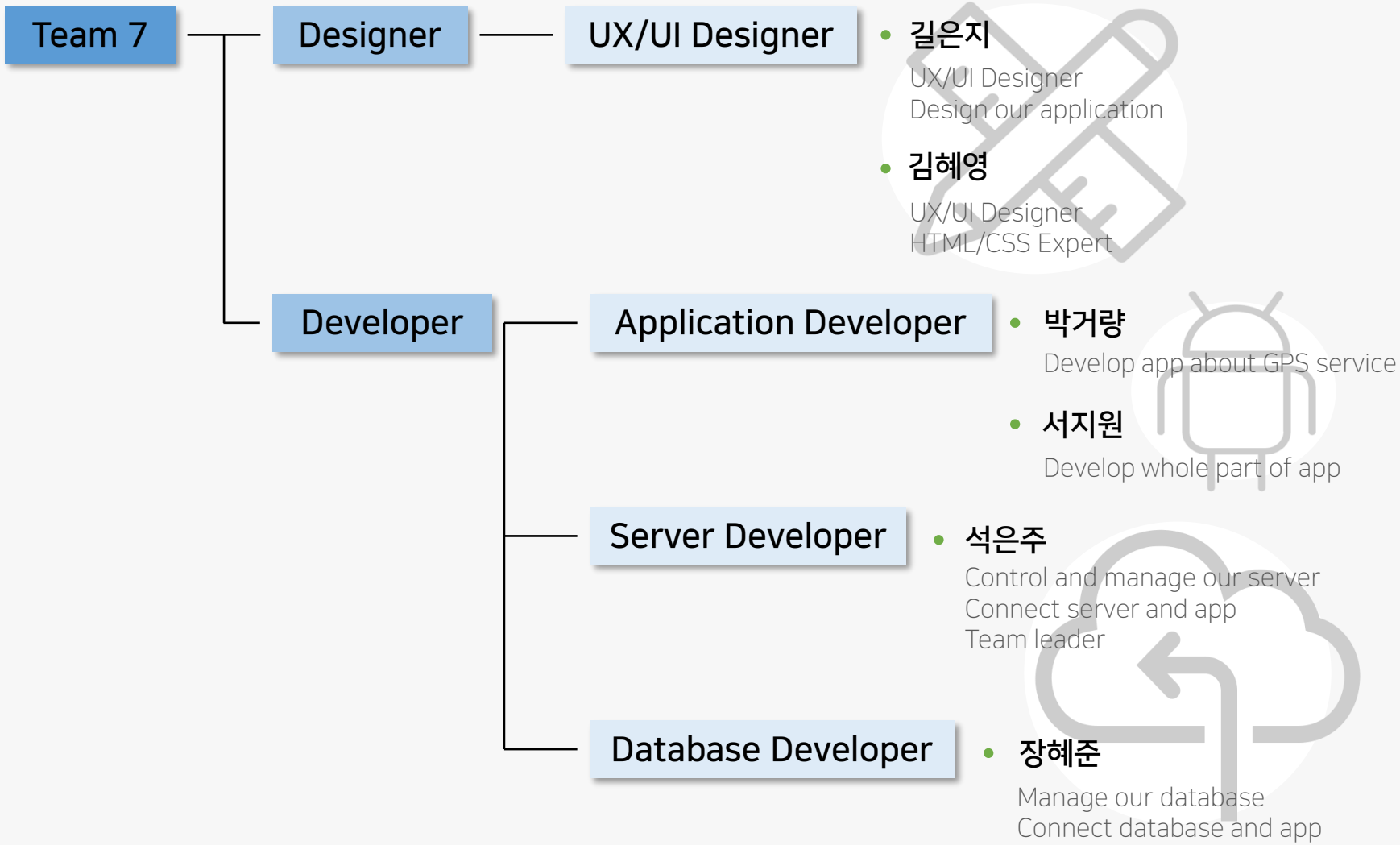
PART 3

Team & Strategy

1. Team formation
2. Planning strategy - Schedule
3. Quantative evaluation of goals

03 Team & Strategy

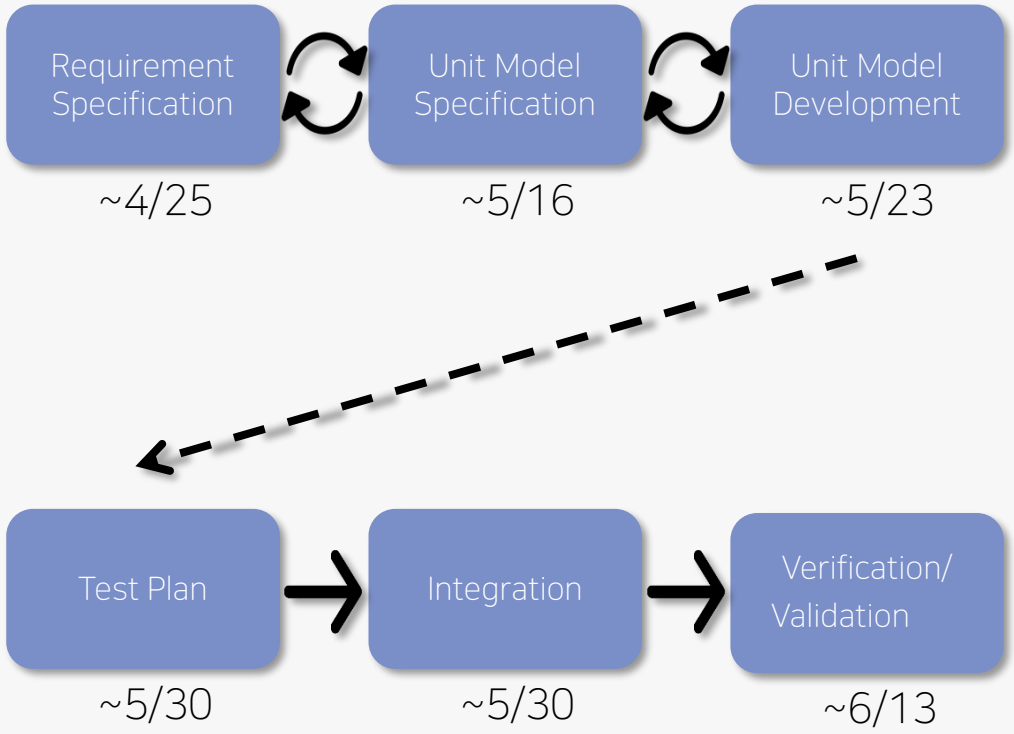
Team formation



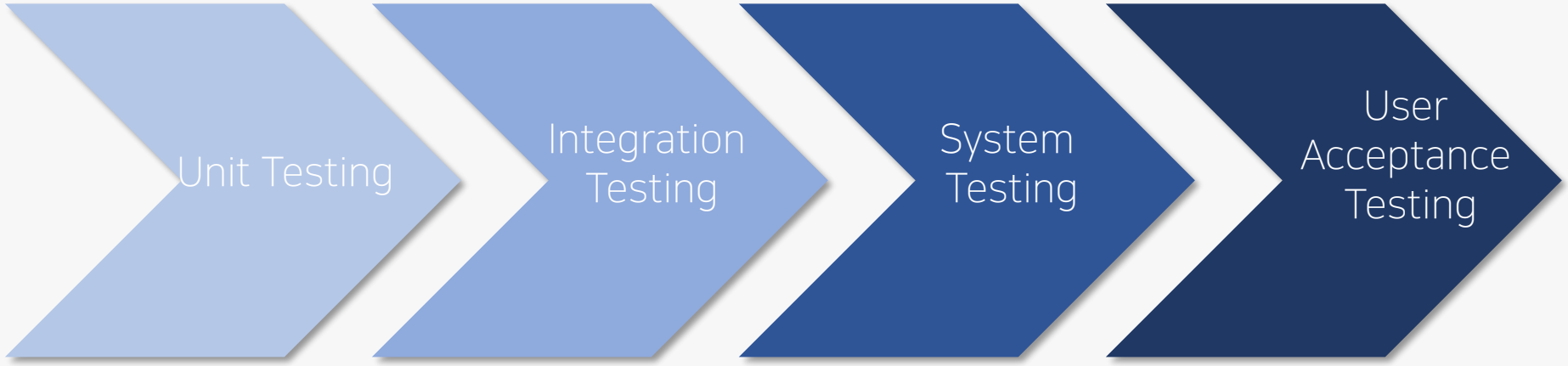
Planning strategy – Schedule

Contents	Time Line									
	4/5 ~4/11	4/12 ~ 4/18	4/19 ~ 4/25	4/26 ~ 5/2	5/3 ~ 5/9	5/10 ~ 5/16	5/17 ~ 5/23	5/24 ~ 5/30	5/31 ~ 6/6	6/7 ~ 6/13
Requirement Specification	■	■	■							
UX / UI Design			■	■	■	■				
Implement - Component						■	■			
Implement - Integration							■	■		
Making a test plan								■		
Code Review									■	
Testing									■	■

Planning strategy - Schedule



Planning strategy - Demonstration Process



Planning strategy – Quantative evaluation of goals

Quantative evaluation of goals		
Evaluation indicator	**Goal achievement rate**	**Importance**
Easy to understand document	Over 90%	30%
Location service accuracy	Over 95%	30%
User-friendly UI/UX	Over 80%	20%
Expert verification/review	Over 85%	20%

Planning strategy - Acheivements

1. Detailed and easy to understand document

2. Application with market competitiveness

PART 4

Plan & Effect

1. Application Plan
2. Benefit

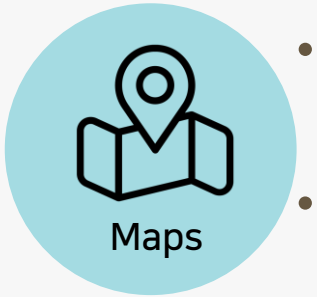
04 Plan & Effect

Application Plan

- It can be extended to a platform that receives advertising fees.
- Examples include nearby restaurants, and dormitory refrigerator providers.

- Beyond making friends, it can be extended to a community app.
- Such as finding team project members, finding people to eat together.

- It can be extended to a platform that can promote events in the school.
- The school can increase the rate of student participation in events.



- You can easily find your destination by displaying the building number.
- Expandable to platform that guides restaurants and nearby trail.

Benefit

- It provides an opportunity to meet new people for various purposes.
- Starting with a chat, you can make new friends relatively easily, and you can even meet face-to-face with them.

- Has a friend recommendation algorithm that can match people with similar purposes.
- Business can be expanded to various fields based on the user database in the school.

- You start by chatting first, so you can easily start to talk to people without going out.
- It saves time to find opportunities in various ways to make friends and various interactions can arise from new relationship building. It also can delvelop into a team member of a valuable project.

Thank you