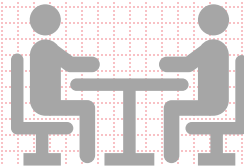


NEMO

NEo Metaverse Office



- Smart space for the professor's office hour -

Team 14

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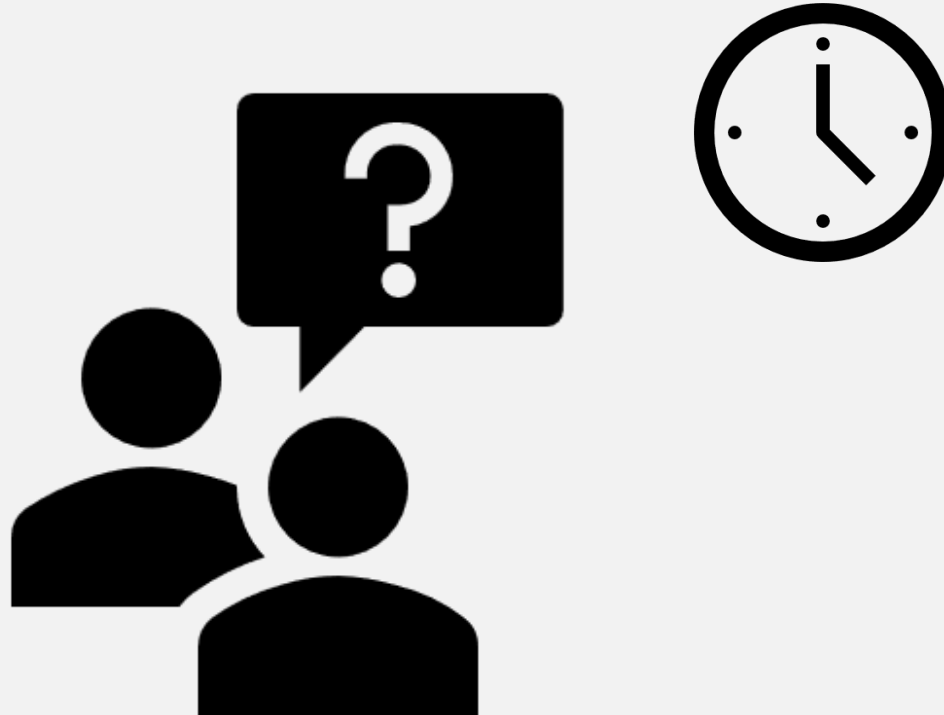
Contents

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- 002 Goals
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001

Overview





Since COVID-19, office hours have not been fully utilized.



1) Going to the office

- Face-to-face meetings are worrisome for both professors and students due to COVID-19.
- For students living far from university, it takes too long to get to the office.

Previous Options



Mail

@skku.edu

2) E-mail

- There is a limit to communication because it takes place in written form.
- Since communication is not immediate, it takes more time for asking questions and getting answers than face-to-face meetings.



3) Canvas (i-Campus) message

- Similar to the e-mail, there is a limit to the communication because it takes place in written form.
- Some professors do not use i-Campus messages at all.



4) Zoom / Webex meeting

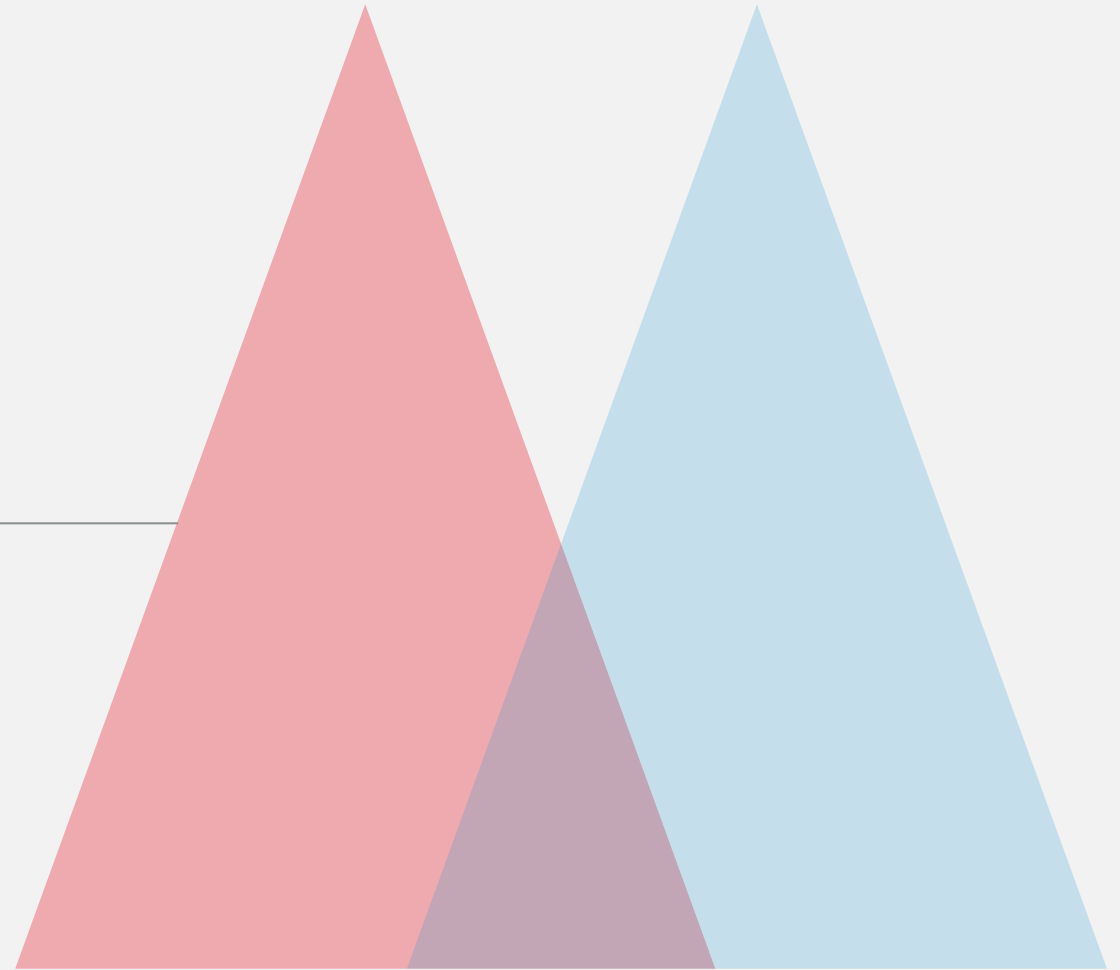
- When professor opens the meeting room during the office hour, many students usually come in together. Therefore, it is difficult to have 1-on-1 conversation with the professor.

Previous Options

Options	Exact time schedule	Non-face-to-face communication	Direct communication	1-on-1 communication	Save time
Going to the office	O	X	O	O	Δ Some students take a long time to go to the office.
E-mail	X	O	X	O	X Wait for the reply.
Canvas message	X	O	X	O	X Wait for the reply.
Zoom/Webex meeting	O	O	O	X	O
Our system	O	O	O	O	O

002

Goals



Smart space for the professor's office hour



" We provide metaverse meeting space,
which can be used in professor's office hour. "

" Increase meeting chances between professors and students,
by utilizing our convenient metaverse space. "

Detailed Goals

Teleportation to the Office

Student avatars can select professor's office and teleport to there.

1-on-1 Conversation

If the professor locks the door, student can have a 1-on-1 meeting with the professor.

Also, when one student enters the office, others can know that the office is full.

Visual & Auditory Materials

In the virtual office, professors and students can share supplementary materials like YouTube videos.

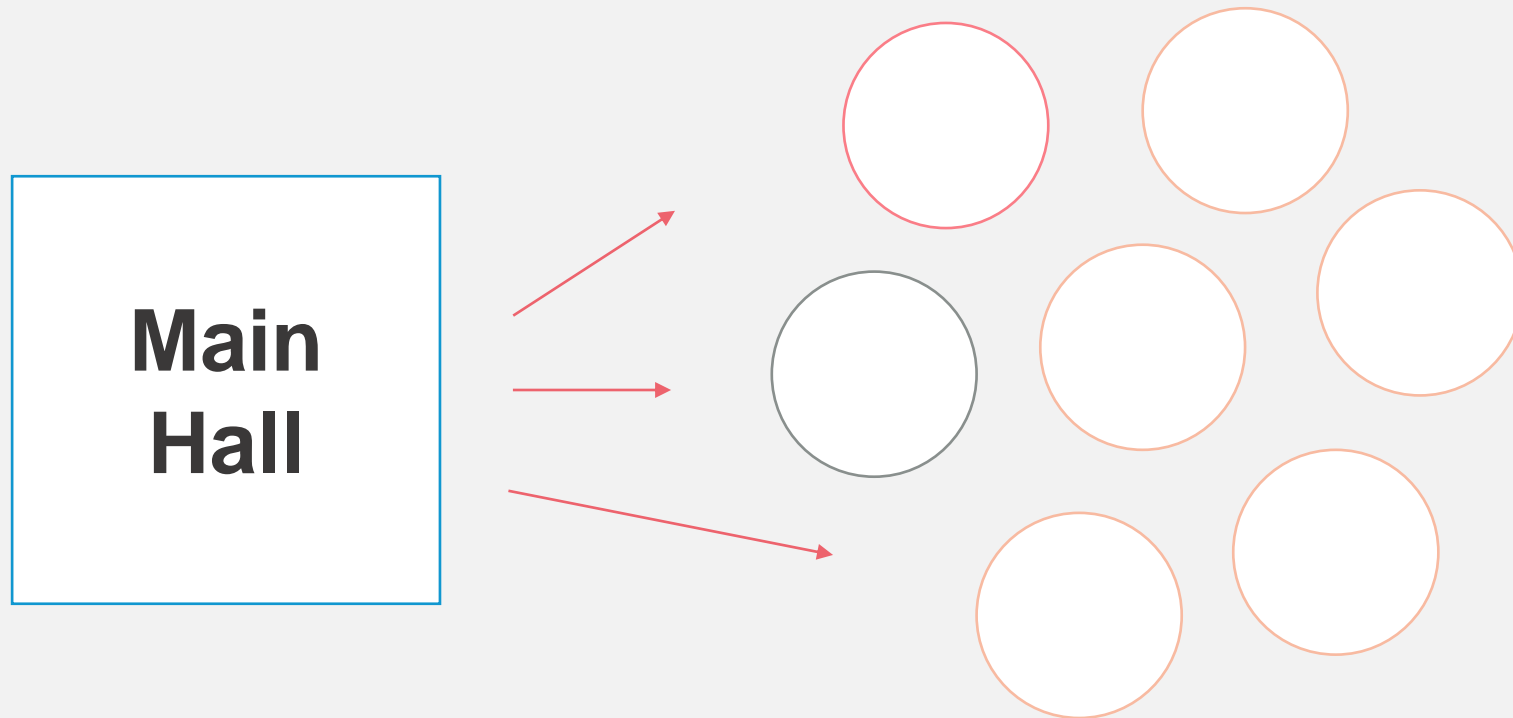
Avatars in the office can also use whiteboard so that they can write whatever they want.

003

Program Architecture
& Environment



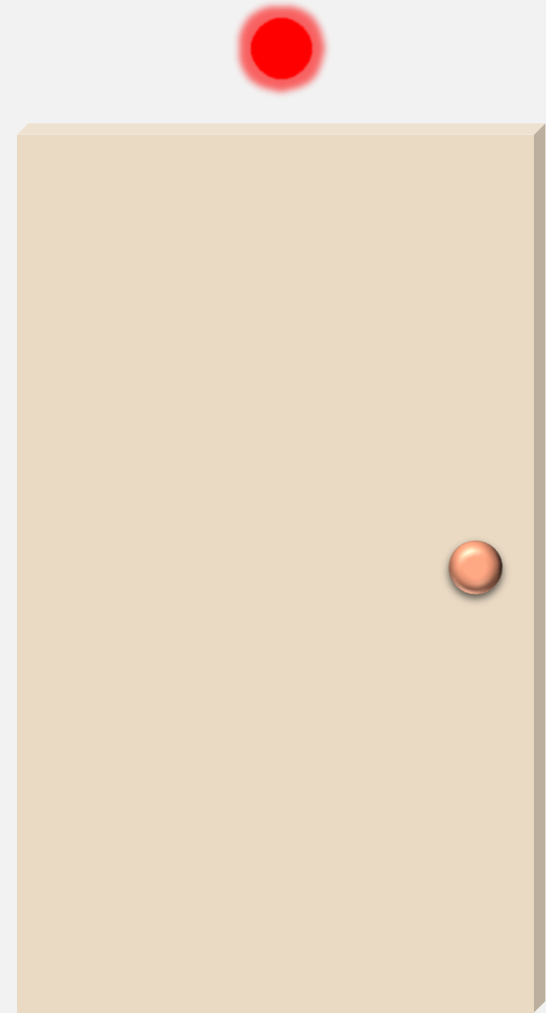
Overall Architecture



Move to each professor's space

Main Hall Functions

- Move to professor's room
 - Students can teleport into the specific room.
- Show whether the room is available
 - The color of light above the door shows whether someone can enter the room or not.
 - This will be controlled directly by the professor or automatically according to office hours.



Main Hall Functions

- Ticketing system

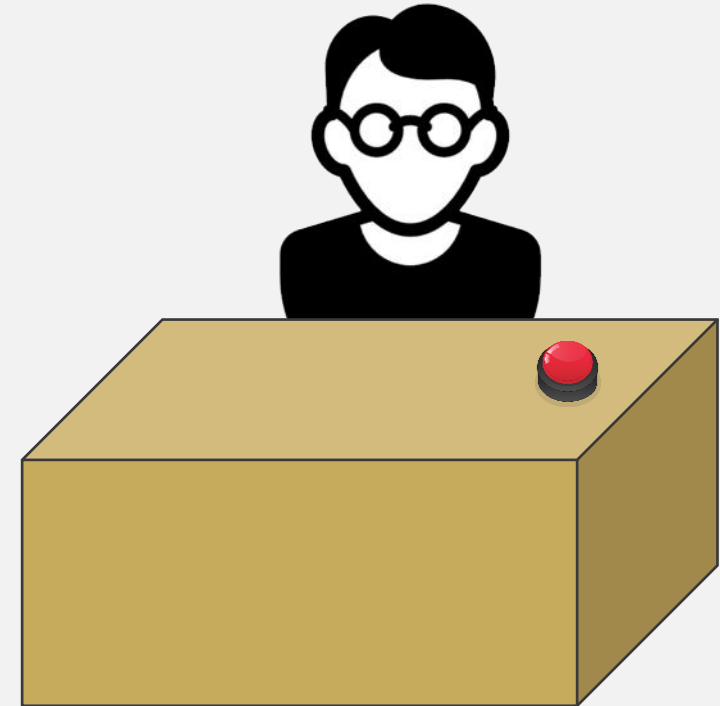
- Students can get the ticket when the room is not available.
- There will be a notification when the turn comes.

 Your turn has come



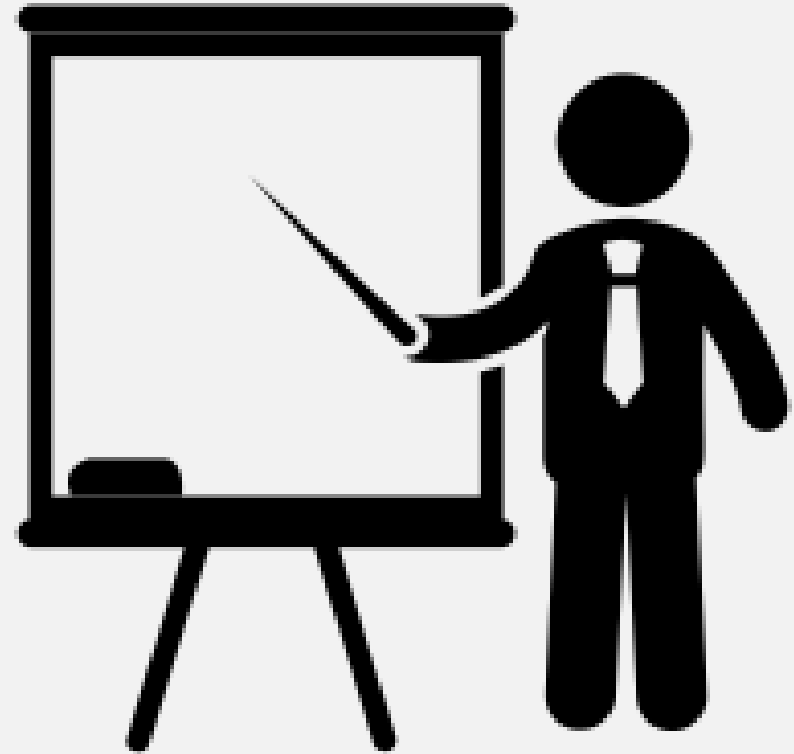
Office Functions

- Call next person
 - Professors can call next person who has the ticket using the button.
- Show supplementary materials
 - Professors or students can show and share related images or videos.



Office Functions

- White board
 - This is a supporting tool for intuitive explanation.
 - Professors and students can draw or write something on the board.





Platform **VR CHAT**

Multi-user online virtual reality
social service

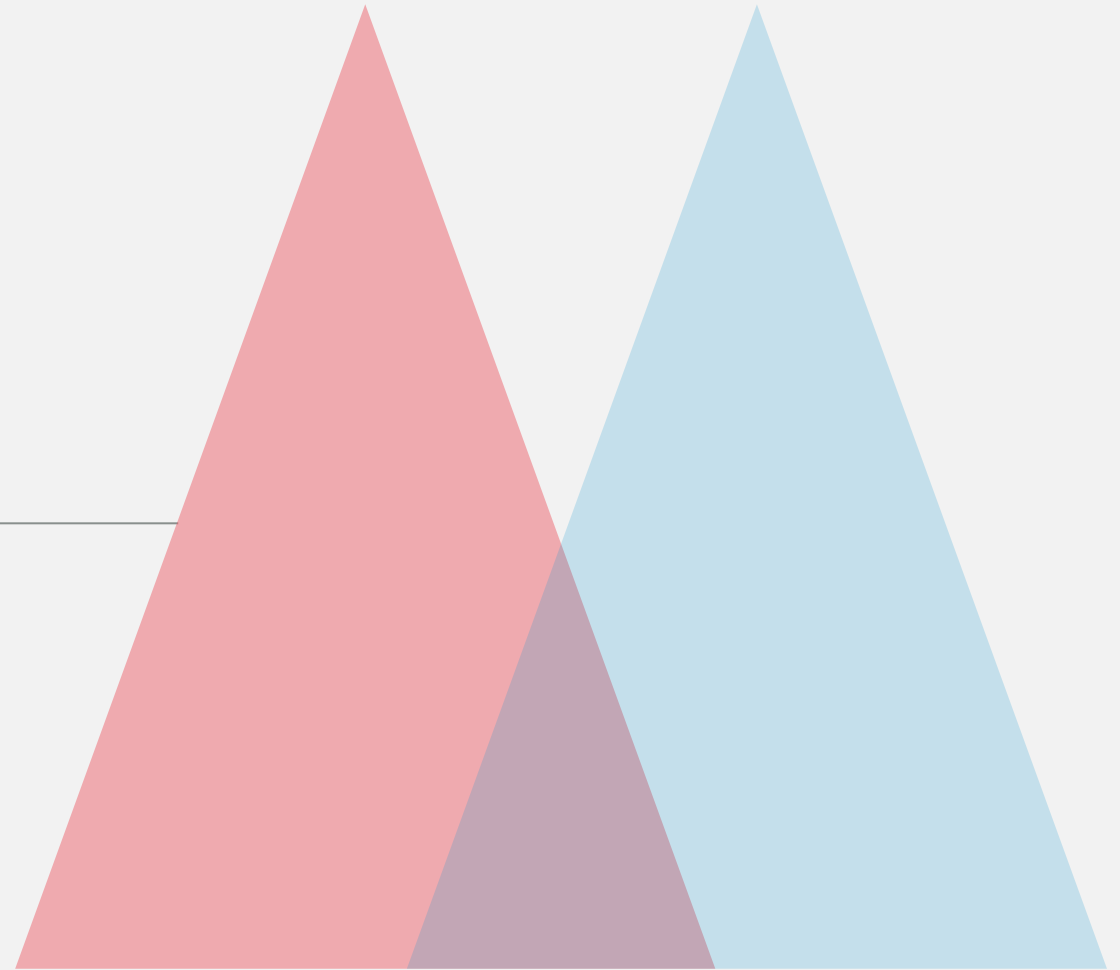


Tool **Unity**

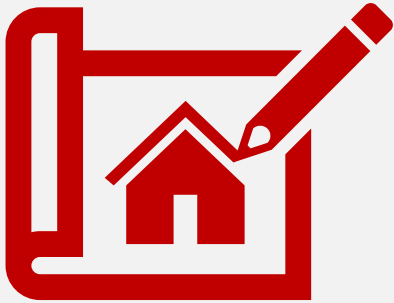
Development platform for creating 2D
and 3D multiplatform experiences and
games

004

Team & Plan

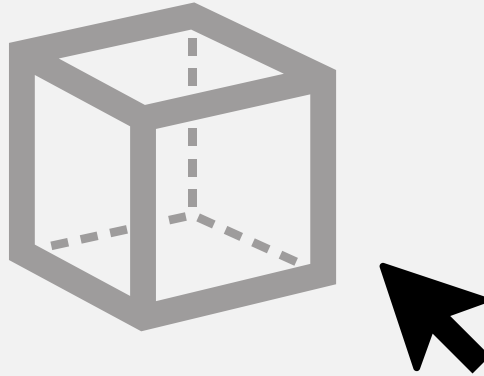


Team Formation



Designer

- Design UX/UI
- Import design to application
- **Members: Sehwan Park, Minjae Cho**



World Developer

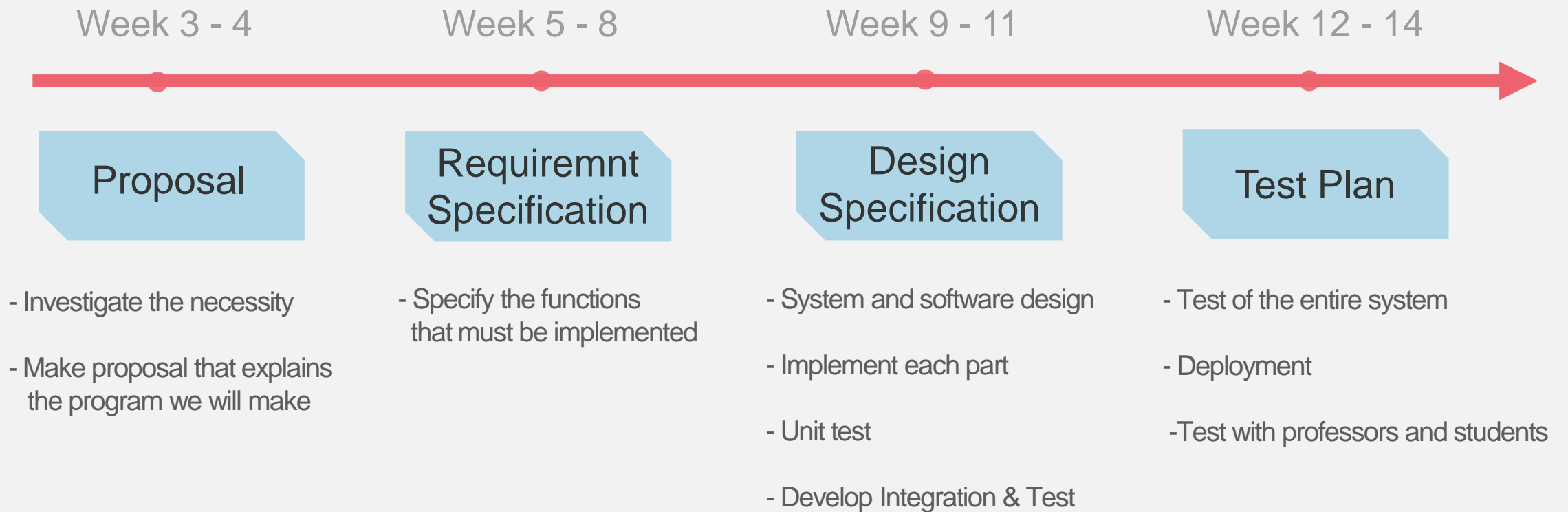
- Develop the application's base world
- Integrate the main functions to the world
- **Members: Eunji Lee, Donglak Kim**



Function Developer

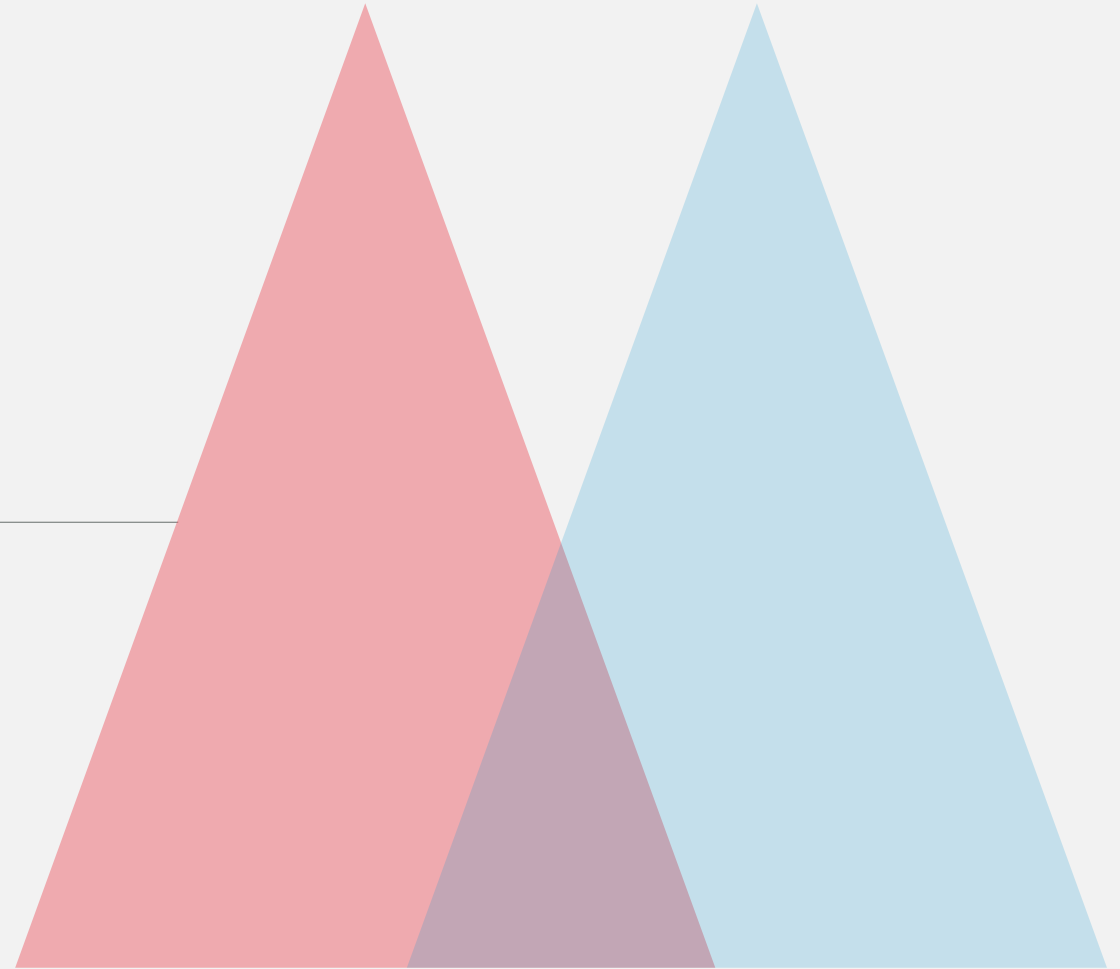
- Develop the functions that connect professors and students
- Function optimization
- **Members: QIYAO Li, Kyungho Na**

Plan



005

Effect



Main Benefit



Replace face-to-face interview

- Not only can it be used in the COVID-19 era, but it can also be used as a substitute for offline meetings even after the pandemic is over.

Easy UI/UX & Visual interaction

- Users can easily find the function they want through a concise page.
- Compared with existing software such as Webex, it provides more visual space, giving professors and students a feeling of communicating in person.

Other Benefit



Variety of choices

- Users can choose characters and communication space freely.

Real-time communication

- Professors and students can communicate without delay.



**Thank
You**