Proposal

- LendMark

Mobile Programming - team 4

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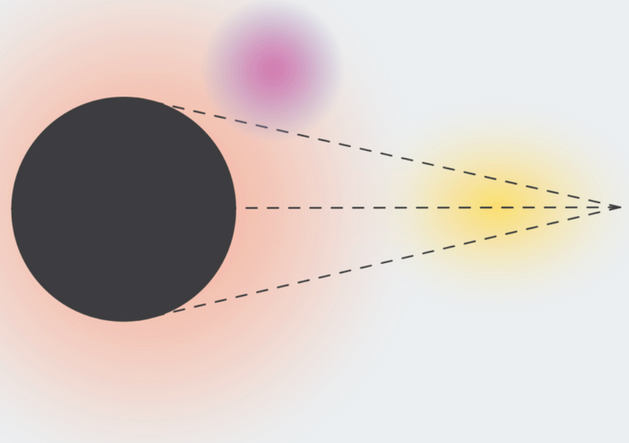

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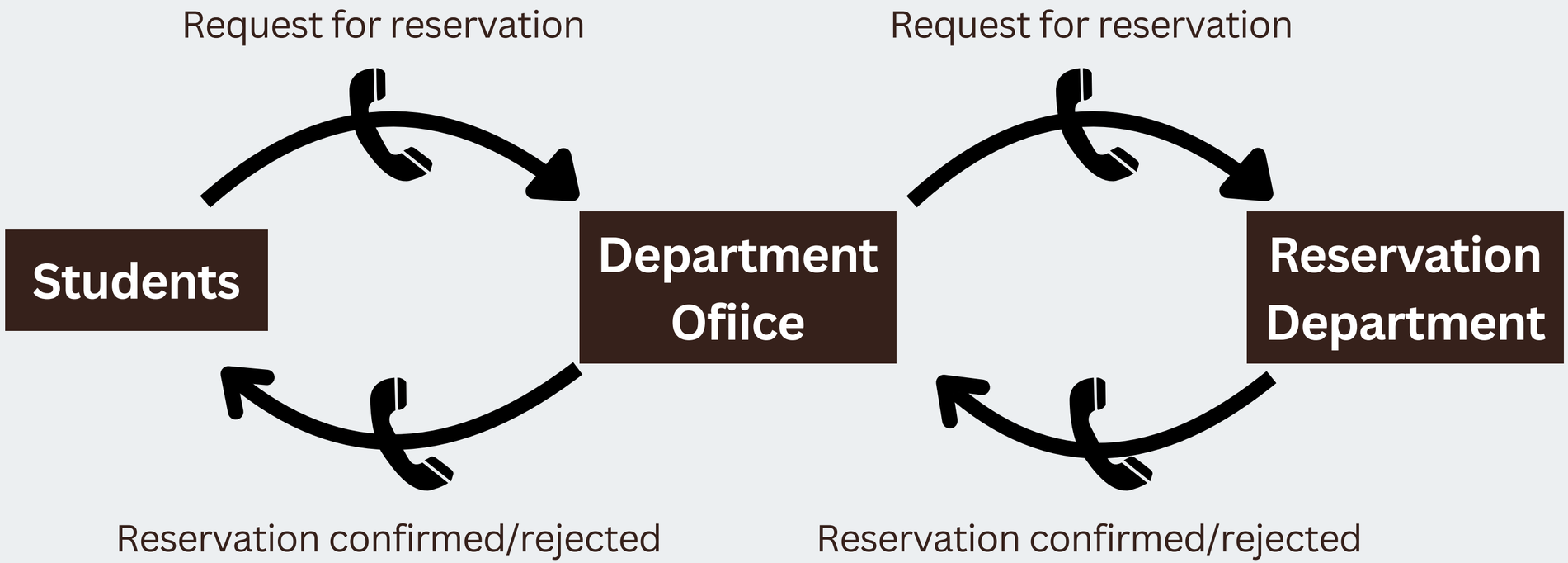
01. Background

- Current Seoul Tech classroom reservation system



→ **Complex and inefficient!**

02 .Our Application Name

LENDMARK

Lend + Landmark

“A landmark you can lend
— a symbolic, shareable space on campus.”

03. Our Application Goal

Students

Make a reservation

LENDMARK

→ All Seoultech members can reserve classroom directly in our application!

04. Main Application Concept

: A one-stop university classroom reservation app that enables map-based search, booking, management, and reviews.

Main Functioality

1. **User Management & Authentication**
2. **Timetable-Based Classroom Reservation System**
    a. **Building List - Based Classroom Search**
    b. **Map-Based Classroom Search**
3. **My : Reservation Status & Management (Notification)**
4. **Facility Information & Review**

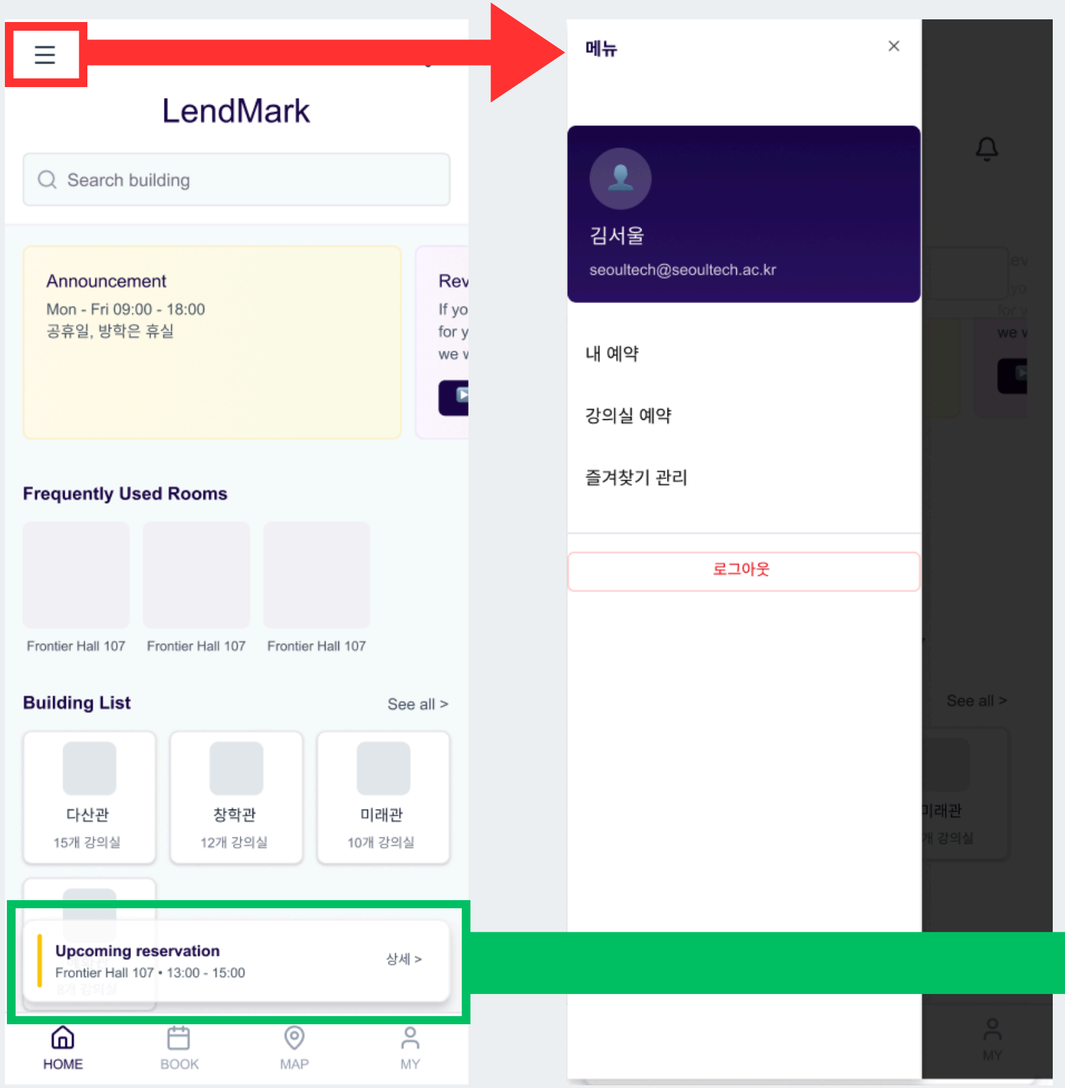
05. Basic UI/UX

- Main Page

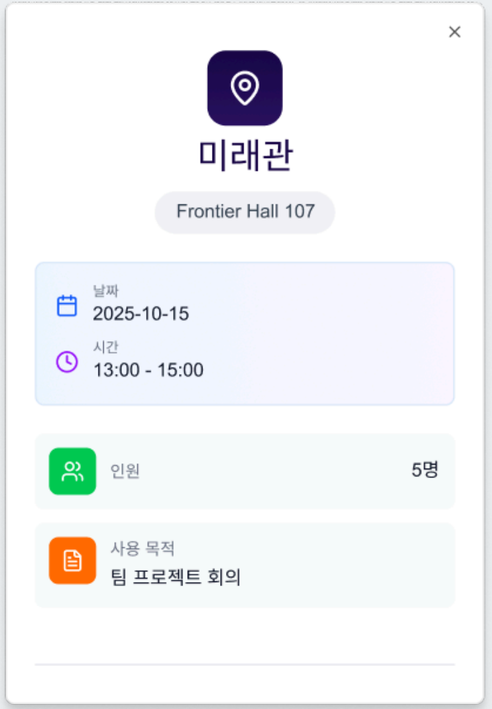
 # Search Bar
: Search the classroom name to go directly to the reservation

 # Frequently Used Rooms
: List of frequently used classrooms

 # Building List
: Total list of buildings



 # Upcoming reservation
: Users can see upcoming reservations and details

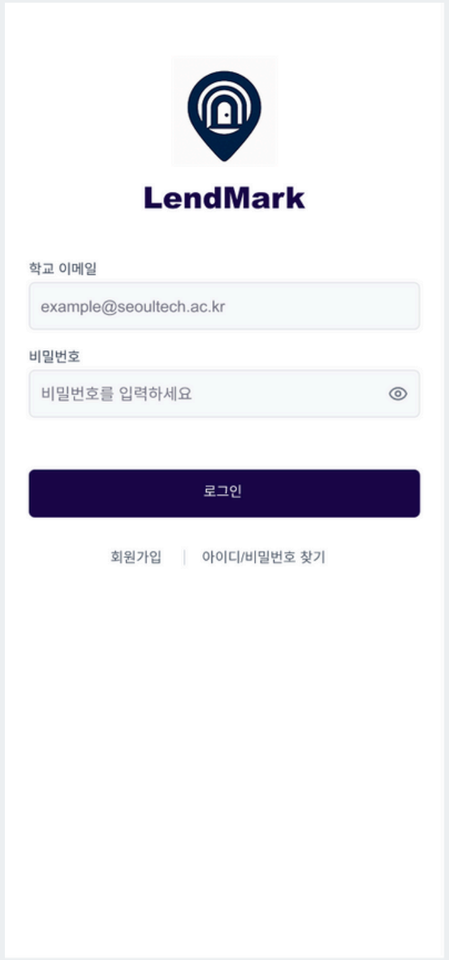


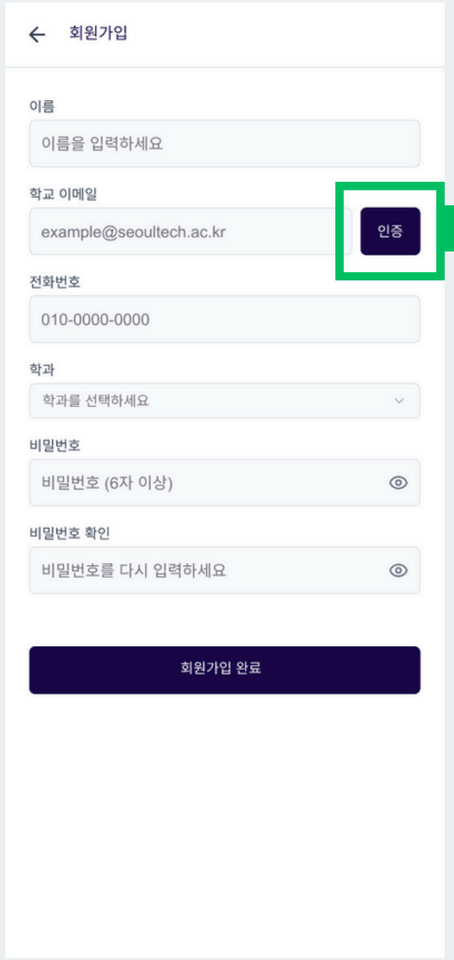
05. Basic UI/UX

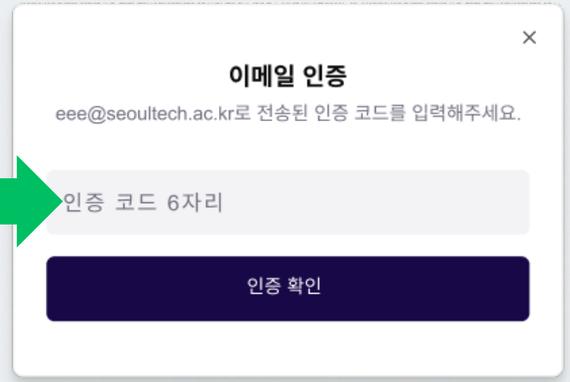
- User Management & Authentication

 # Sign up & Authentication

: Users must sign up for using services and authentication via school email







05. Basic UI/UX

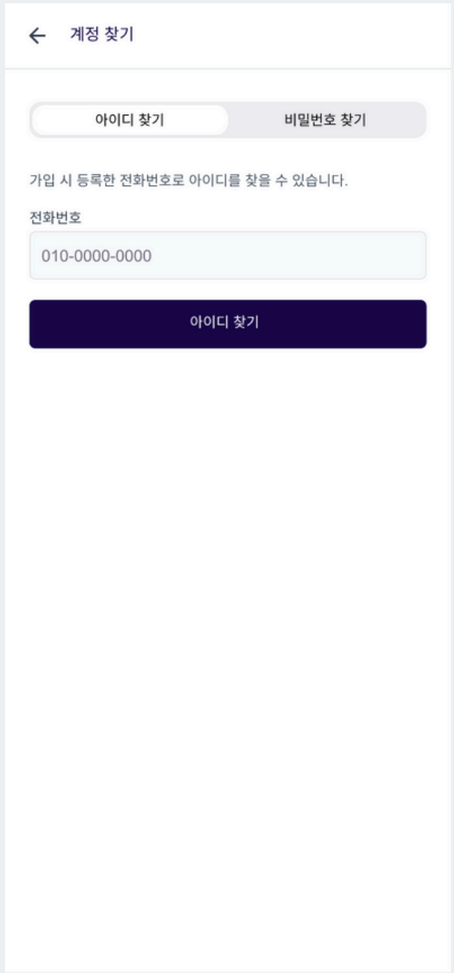
- User Management & Authentication

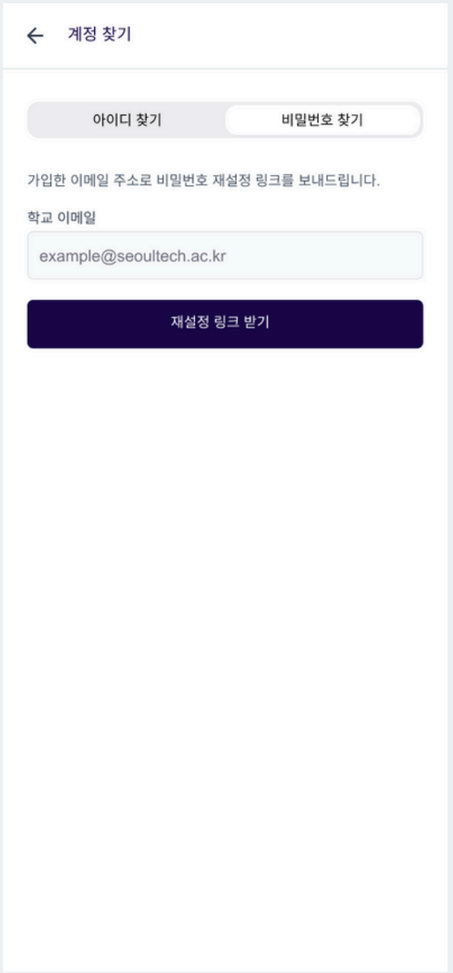
 # Find ID

: Authentication via phone number

 # Find Passwords

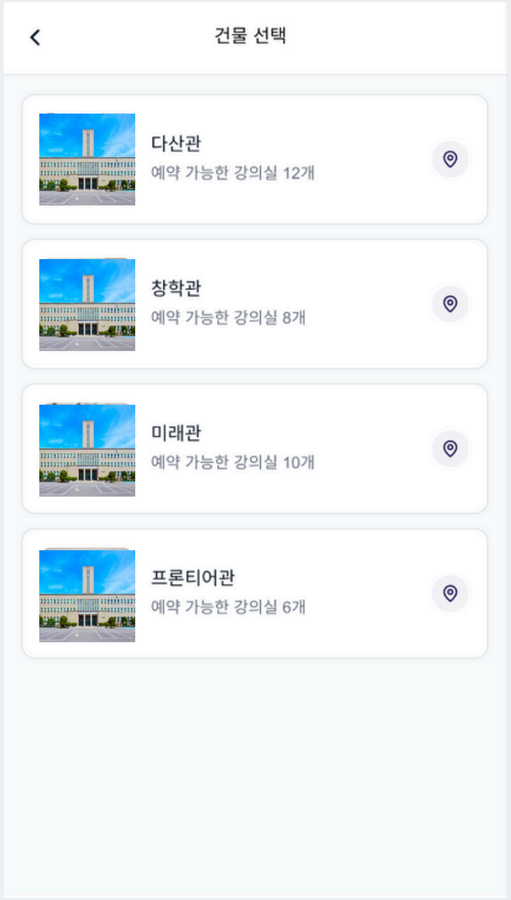
: Authentication via school email





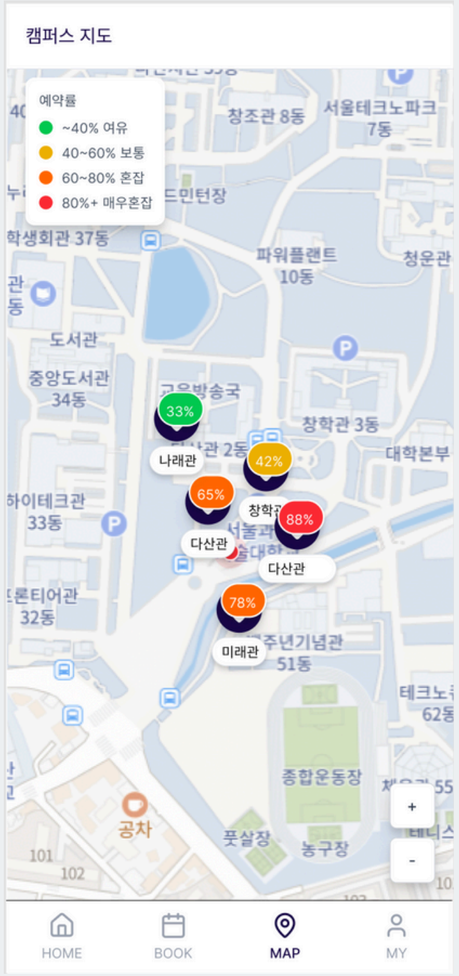
05. Basic UI/UX

- Reservation System : Two methods to view buildings



#Building List to Classroom Search

: Users can view a list of buildings at a glance, along with the number of available classrooms.

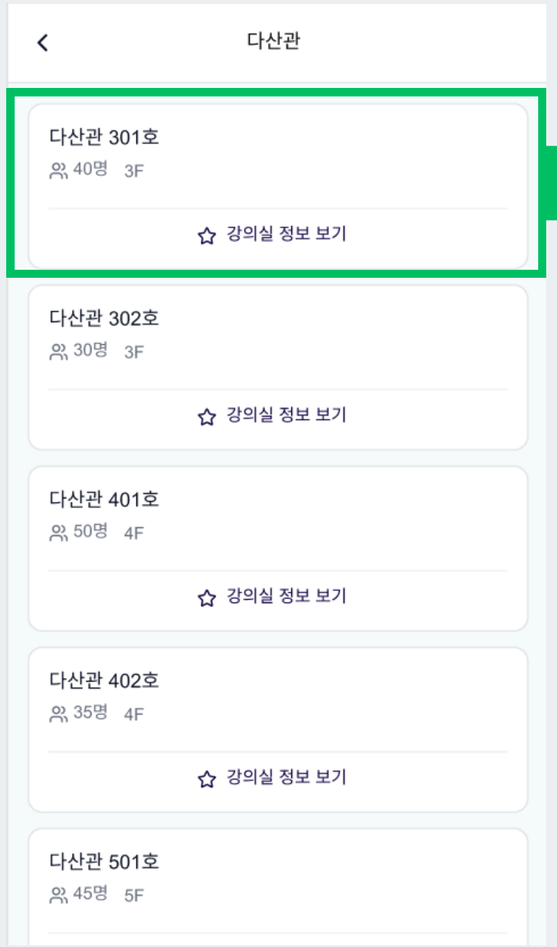


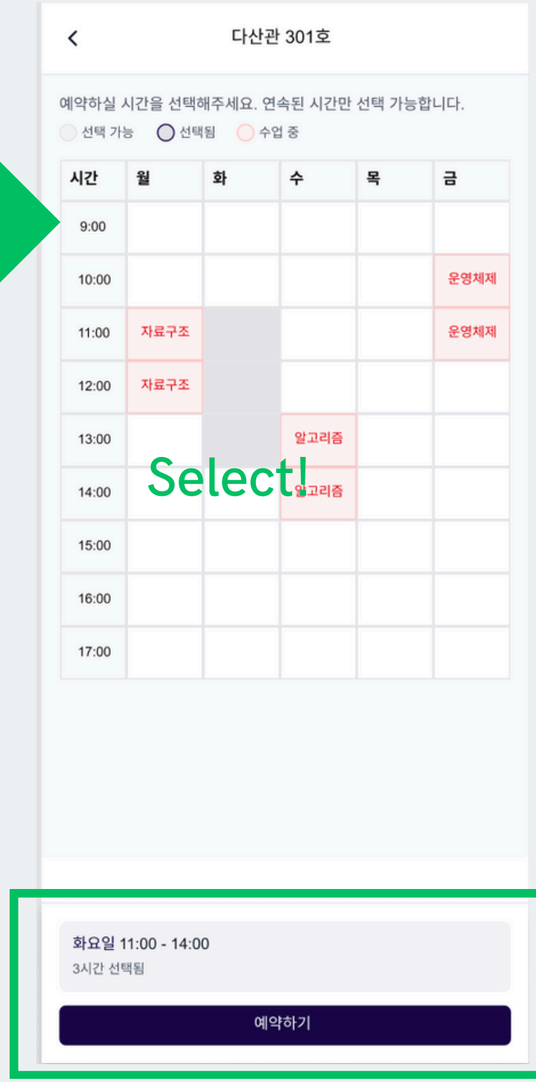
#Map to Classroom Search

:Users can check the nearest buildings based on current location and view the reservation rate.

05. Basic UI/UX

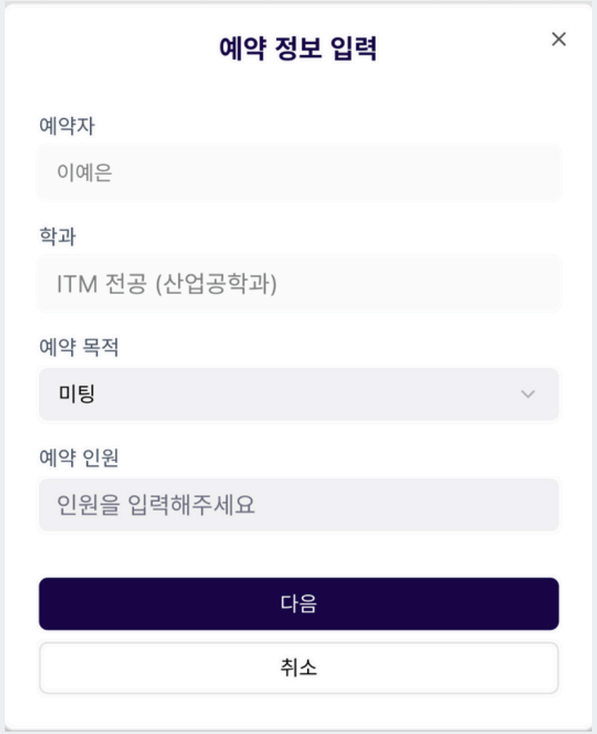
- Timetable based reservation





#Reserve Classroom

: Reservations are not allowed during scheduled classes or at times already reserved by others.

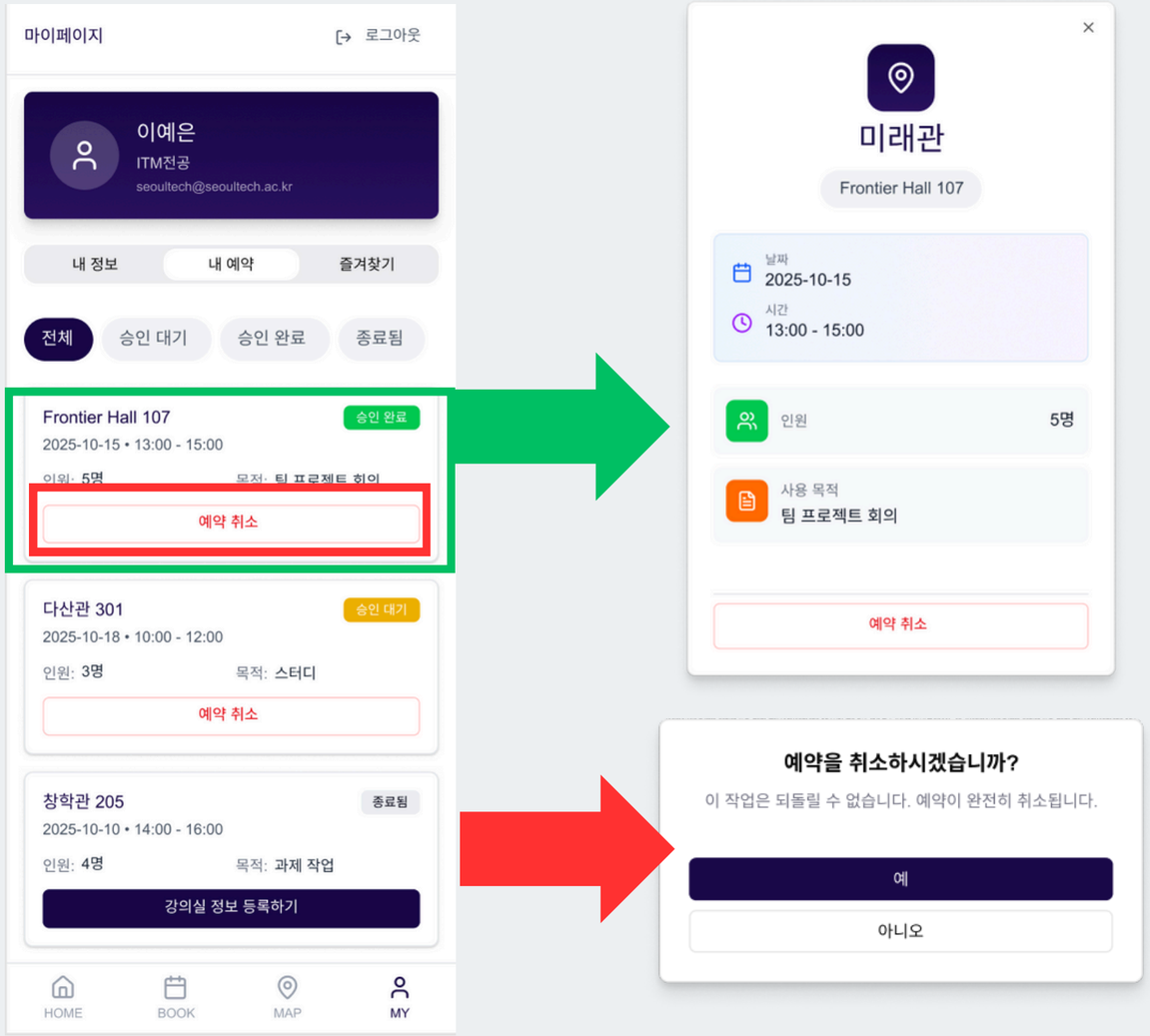


05. Basic UI/UX

- My : Reservation Status & Management (Notification)

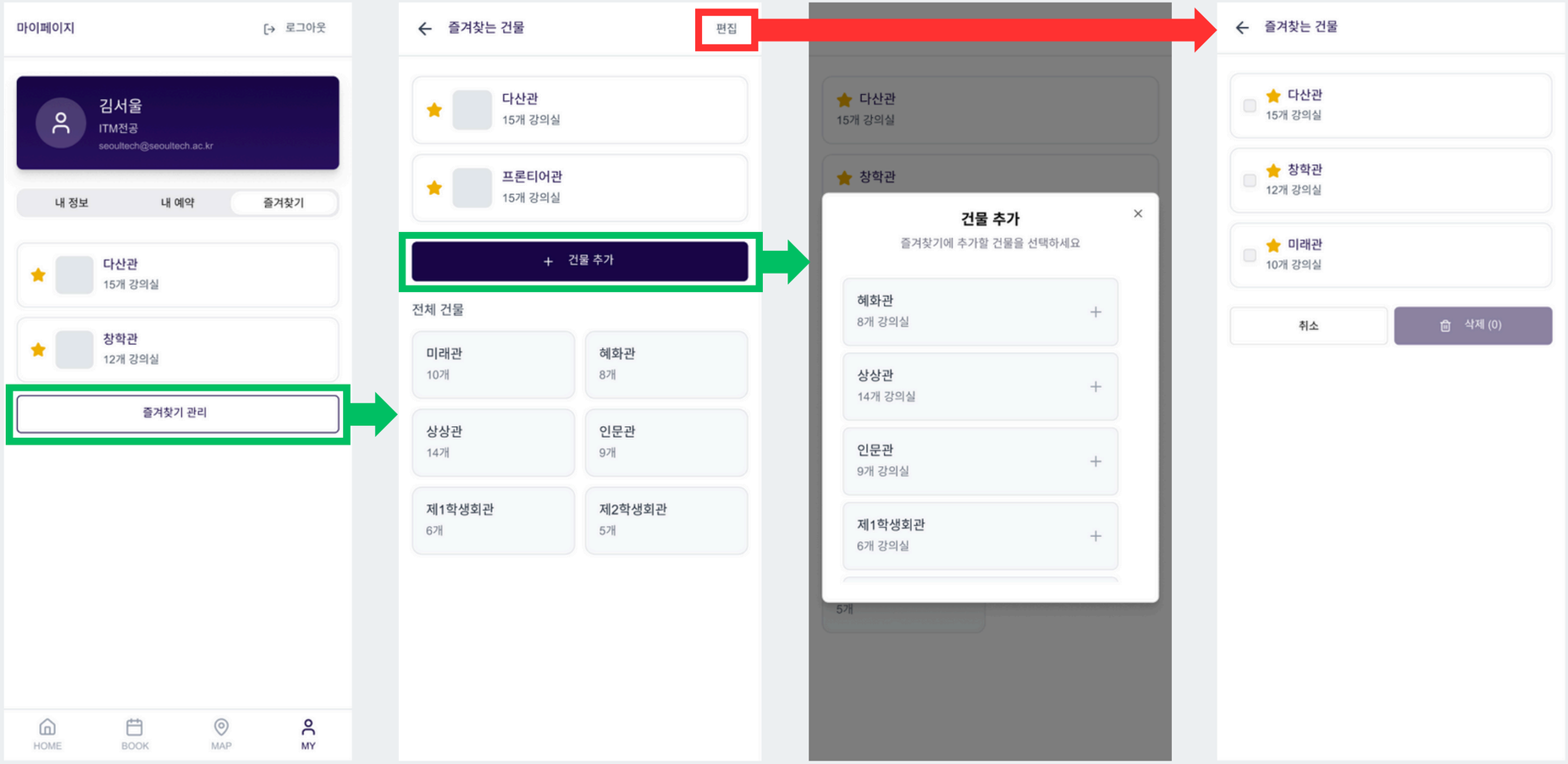
 # Cancel Reservation

: Upcoming reservations can be cancelled



05. Basic UI/UX

- My : Reservation Status & Management (Notification)



 # Favorite Building

: Users can register favorite or frequently used buildings

05. Basic UI/UX

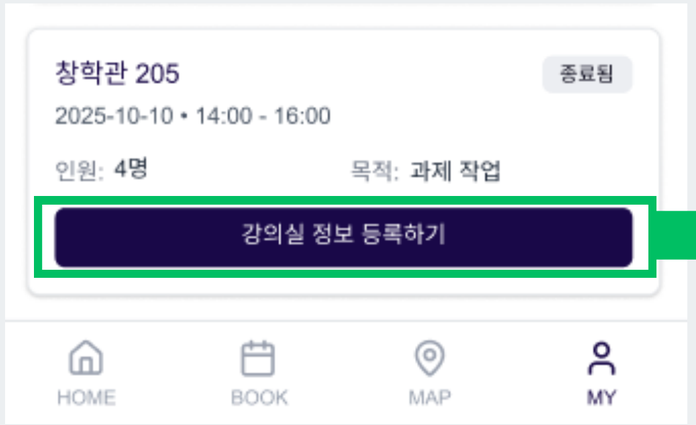
- My : Reservation Status & Management (Notification)

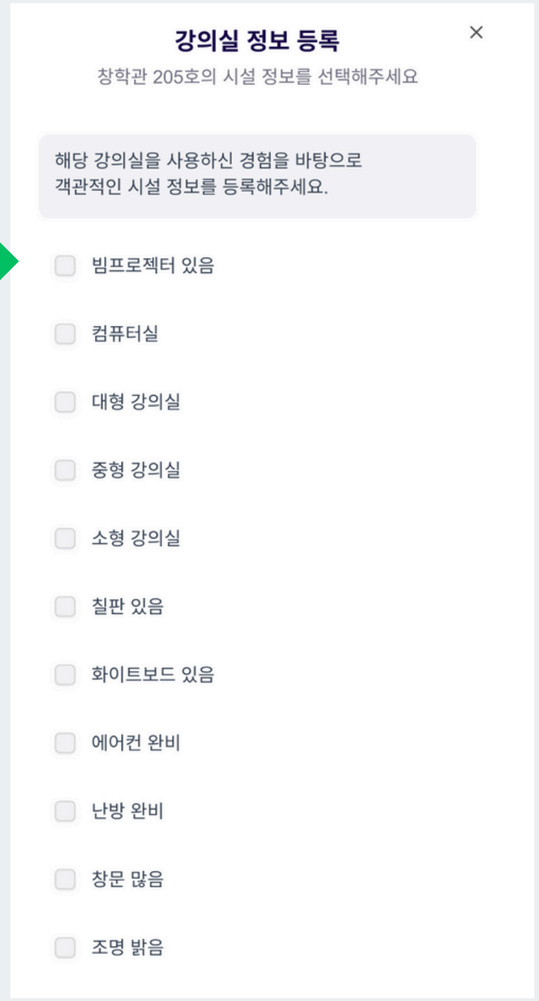
#Notice reservation
: notification about start/terminate reservation(Before 30min for start, 10min for terminate

#Notice reservation
:pop-up alarm in application

05. Basic UI/UX

- Facility Information & Review



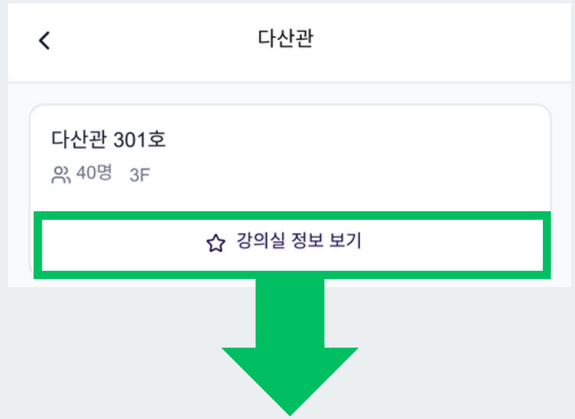


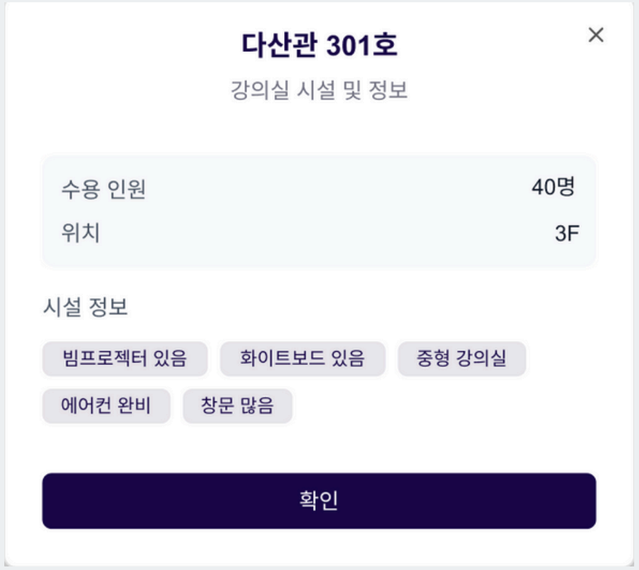
 # Registration Review

: Users can post a review of the classroom user used. (by Tag form!)

 # Display Review

: Users can see reviews about each classroom





06. Expected Timeframe

WE ARE HERE!

week 8

Proposal Presentation

week 9

Completed UI/UX

Make Github Organization

week 10

Database Structure Design

Start development

week 11 ~week 14

Development

week 15

Final Presentation

07. Role and Responsibilities

- **Shinhyung**

  Application Development, Utilize APIs

  - Git Management, Map-based Reservation Development, API Integration & Flow Control

- **Yeeun**

  Application Development, UI Design

  - UI/UX Design & Branding, Account & MyPage Development, Project Management & Documentation

- **Yuyoung**

  Application Development, Server Development

  - Backend & Database Management, List-based Reservation & Notification Features, API & Logic Optimization

Thank you!

Q&A