

Warm Connection

Chaemin Kim

Introduction

- Title: Warm Connection
- Target Audience and Key Features
 - **Care for Seniors_Living Alone**
- Utilized Public Database (DB)
 1. Public Data Portal
-Gangbuk-gu, Jongno-gu-
 - ➔ Current Status Data of **Senior Welfare Facilities**
 - Information on **Senior Welfare Centers, Nursing Homes, and Home Care Service Centers** nationwide
 - Provides **Address, Phone Number, and Operational Information**
 - ➔ Current Status Data of **Community Senior Centers (Gyeongrodang)**

Project Intent

- Please briefly describe the **project intent** for the application currently under development.
 - The app aims to monitor the safety of seniors living alone by having them perform a simple check-in once a day. If there is no response, an immediate alert is sent to their family or local government for quick intervention. Additionally, it allows users to easily find and connect with local care support organizations, welfare centers, and senior facilities (such as Community Senior Centers) in their area of residence. The in-app bulletin board facilitates information sharing and communication among users, thereby improving accessibility and contributing to the alleviation of social isolation. The ultimate goal is to create an environment where the elderly can manage their daily lives independently and stay continuously connected to their local community.

Key Features

- **Daily Check-in Notification (Once a Day)**

- ⇒ Push notification once a day -> Users select 'I'm Okay' or 'I Need Help' buttons
- ⇒ If there is no response within 10 minutes, an alert is sent to the family / local government

- **Welfare Institution Connection**

- ⇒ Care support centers, welfare centers / facilities
- ⇒ Provides a list of welfare institution information for the corresponding region
- ⇒ Pressing the phone icon on the list allows immediate phone connection with the welfare institution
- ⇒ Favorites function (Users can check their favorites list on the My Page)

- **Checking Welfare Institution Location on the Map**

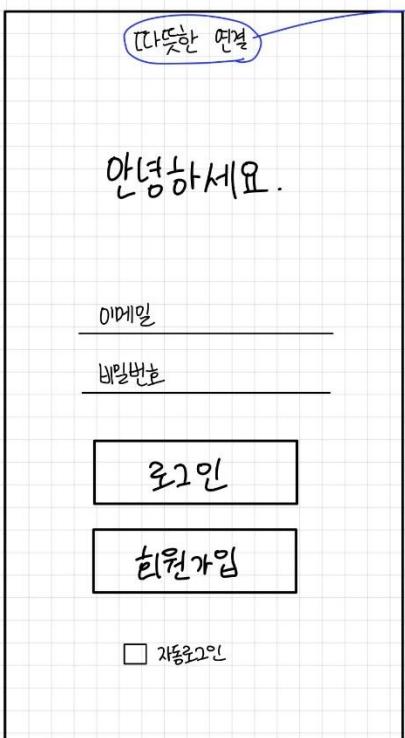
- ⇒ Direct connection from the welfare institution list to a map application

- **User Review Board**

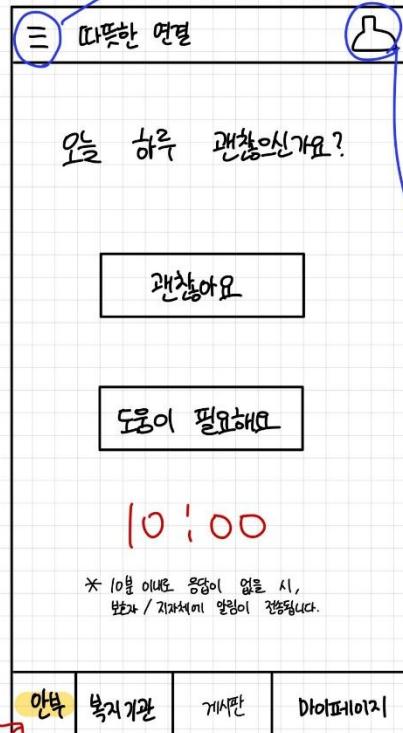
- ⇒ App users share information with each other

UI Design Plan

▷ <시작 화면> 테마색 ⇒ 살구빛 계열



| <안부 확인 화면>



드로워

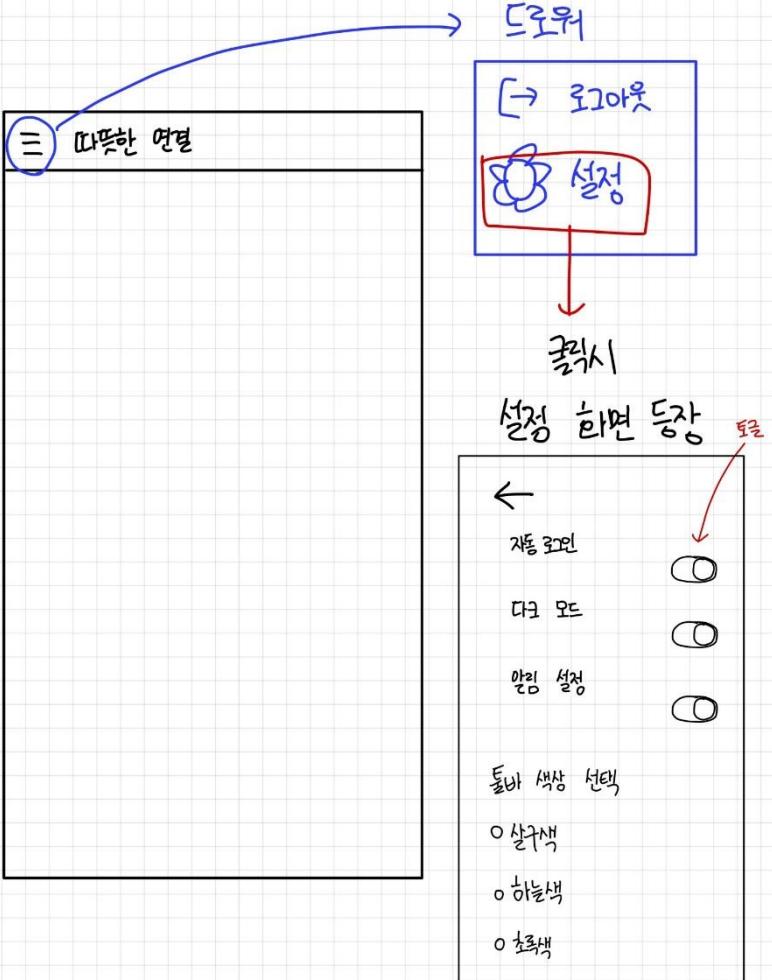
→ V정장

알림 아이콘
⇒ 클릭시

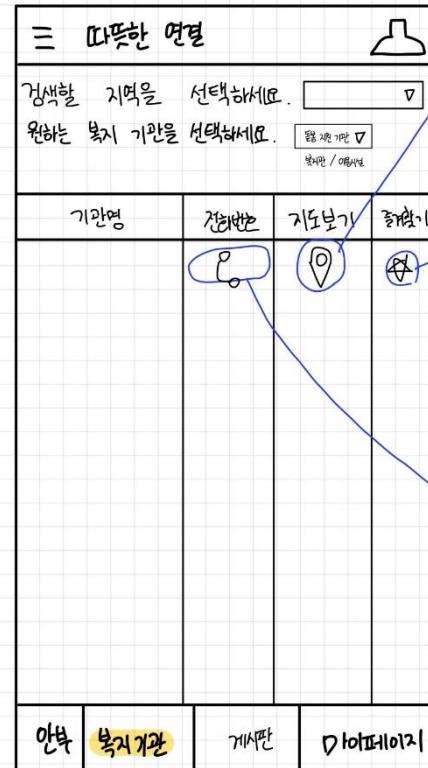


알림 리스트 품

선택하면 해당 탭으로 바로 이동



2 <복지 기관 화면>



지도 아이콘
클릭시 구글맵에서
해당 시설 검색 결과 보여줌.

← 카테고리 클릭

클릭시 마이페이지의 즐겨찾기 목록에
추가됨.

카테고리 클릭 시 즐겨찾기 해둔
기관이 가장 위에 둘.

전화모양 아이콘.

클릭시 전화 앱으로 이동.

⇒ 번호 화면에 띠 있음.

3 < 게시판 화면 >

제목			
작성자			
시설명			
시간			
안부	복지기관	게시판	▷ 미리페이지

제목
이동 ▽ or 작성자
시설
저장

작성 아이콘. ↑
클릭 시 작성페이지로 이동

⇒ 게시글 리스트

4 < 미리페이지 화면 >

제목			
작성자			
시설명			
시간			
안부	복지기관	게시판	▷ 미리페이지

홍길동

즐겨찾기 목록

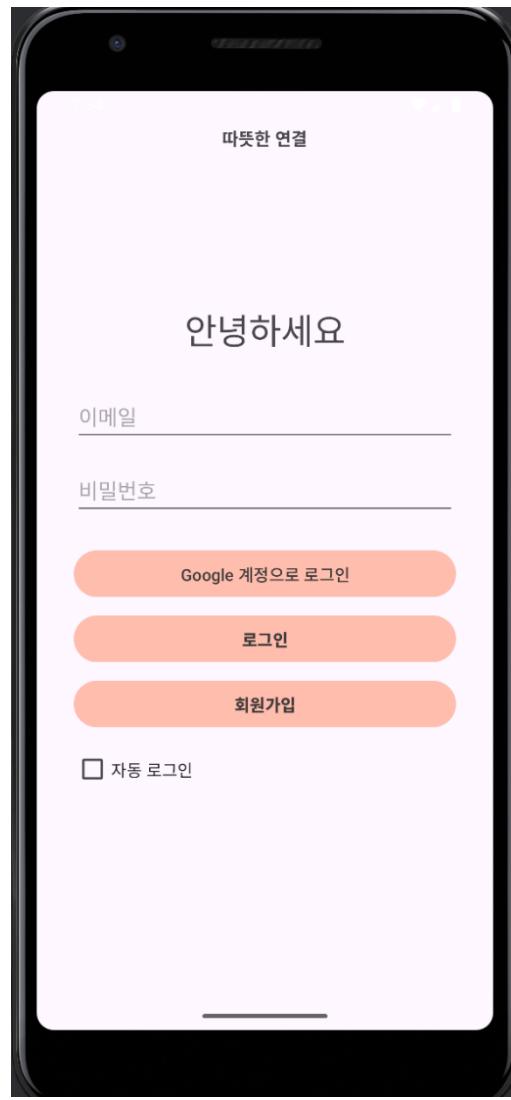
노인복지관A 전화아이콘 거리아이콘 *

:

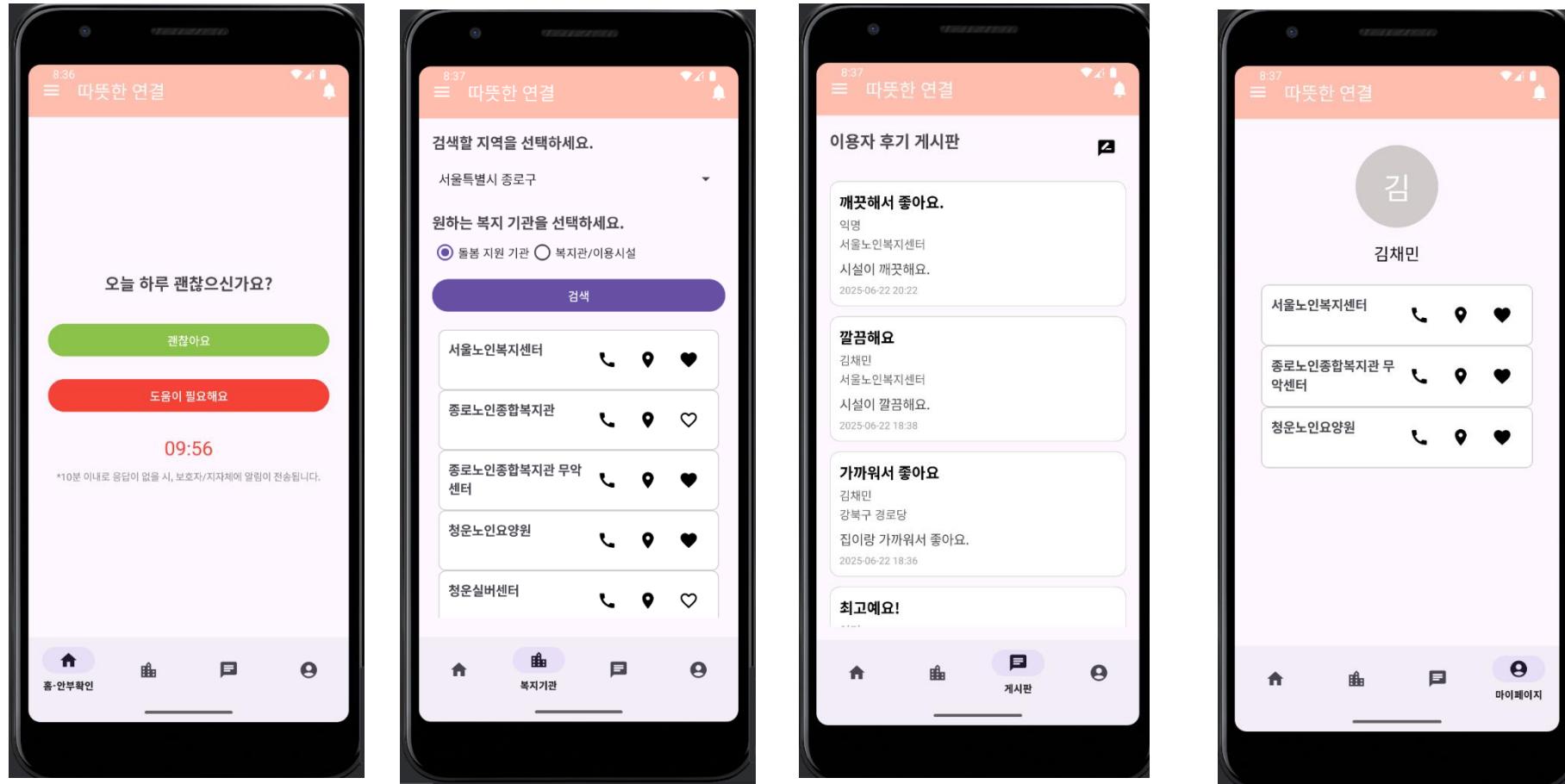
Final UI Design



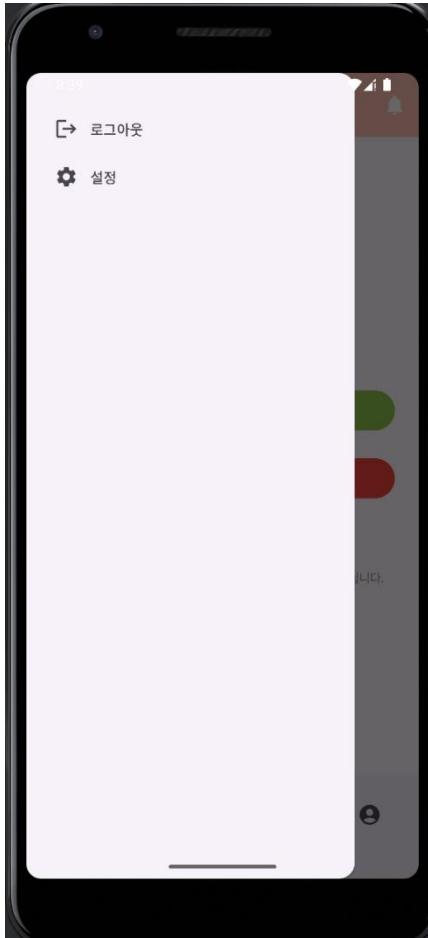
First screen shown when the app
is launched



Sign-up/Login Screen



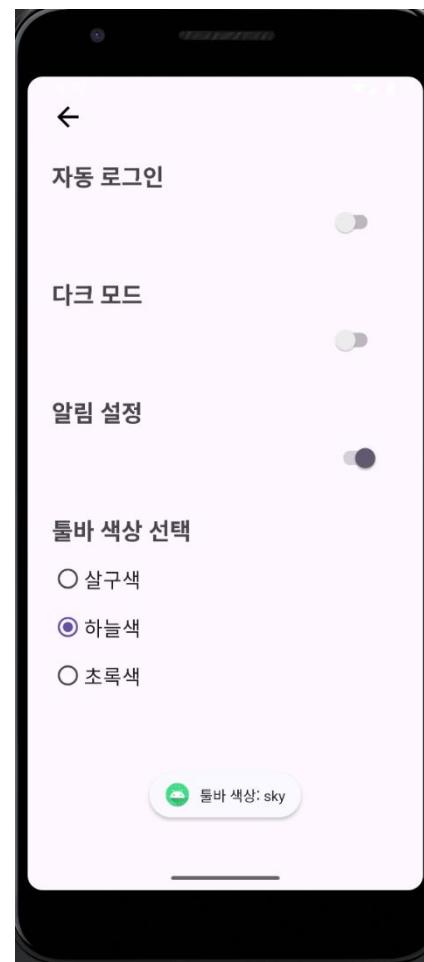
Home(Daily Check-in) Screen / Welfare Institution Screen / Bulletin Board Screen / My Page Screen



Drawer



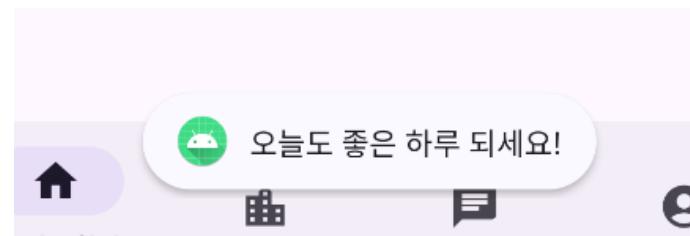
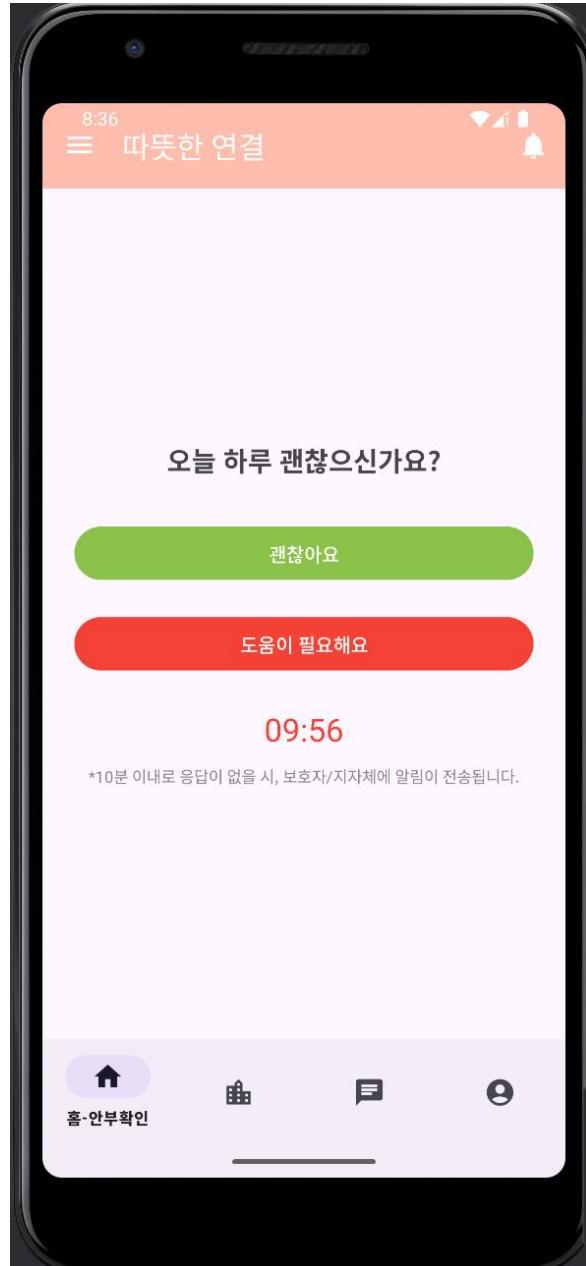
Appears when Logout is clicked



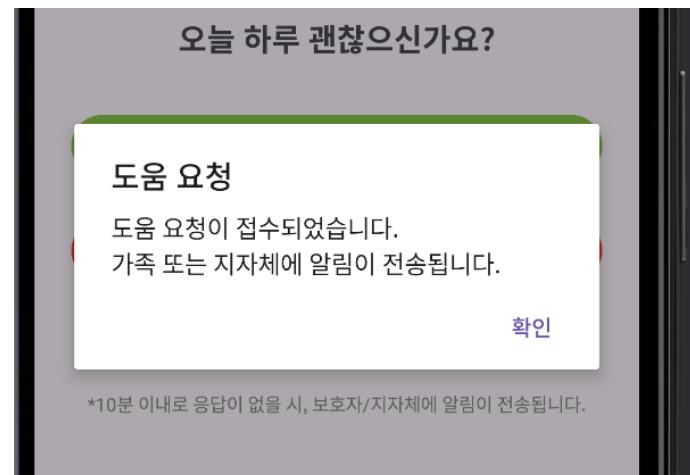
Screen shown when Settings is clicked



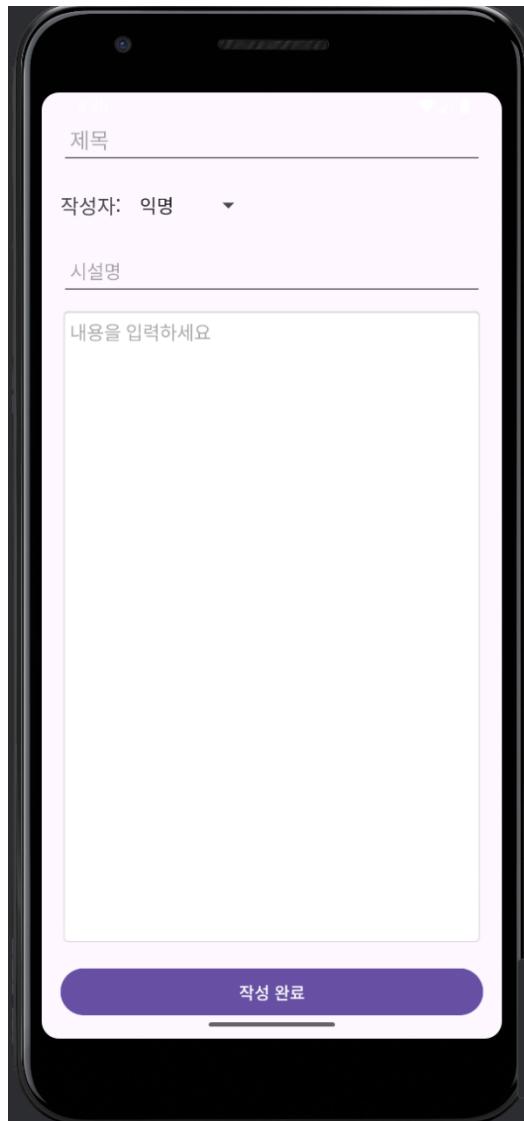
Notification list that appears when the Notification icon is clicked



Toast message that appears when the 'I'm Okay' button(green button) is clicked on the Home(Daily Check-in) Screen



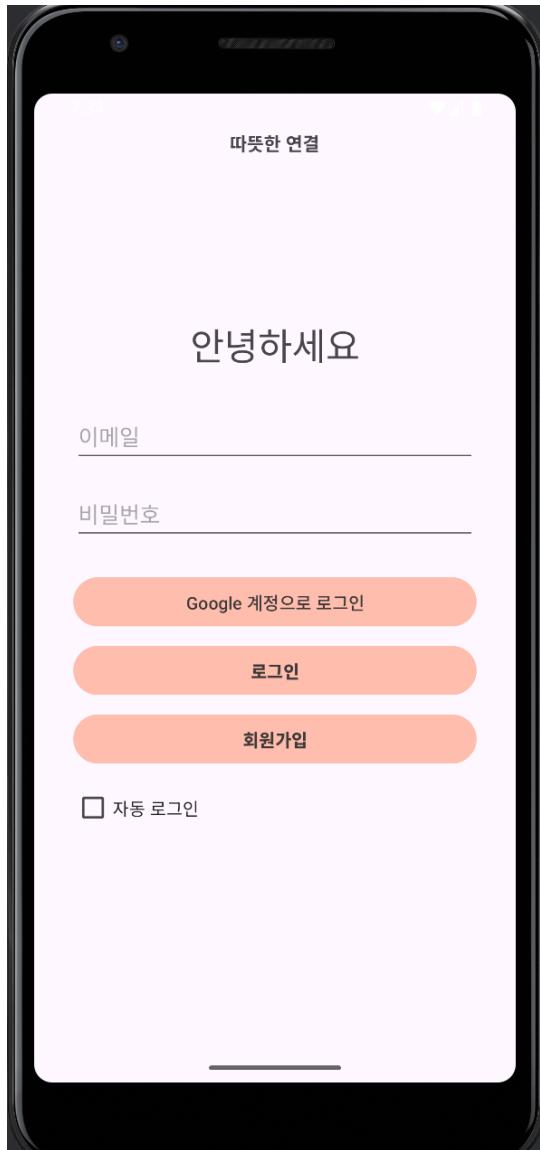
Appears when the 'I Need Help' button(red button) is clicked.



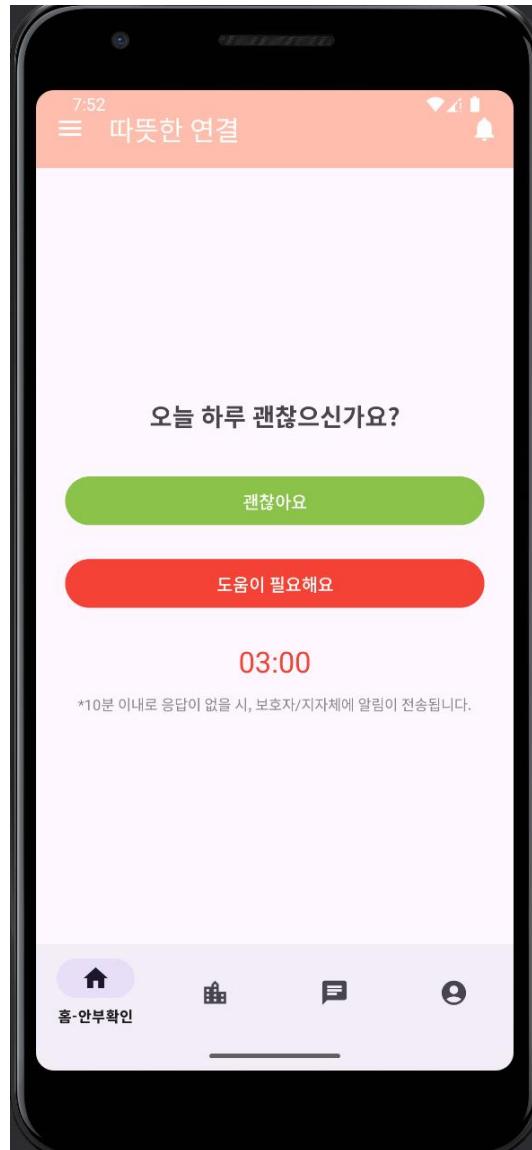
Writing Screen (accessed by clicking the pencil icon on the board)

Mandatory Requirements

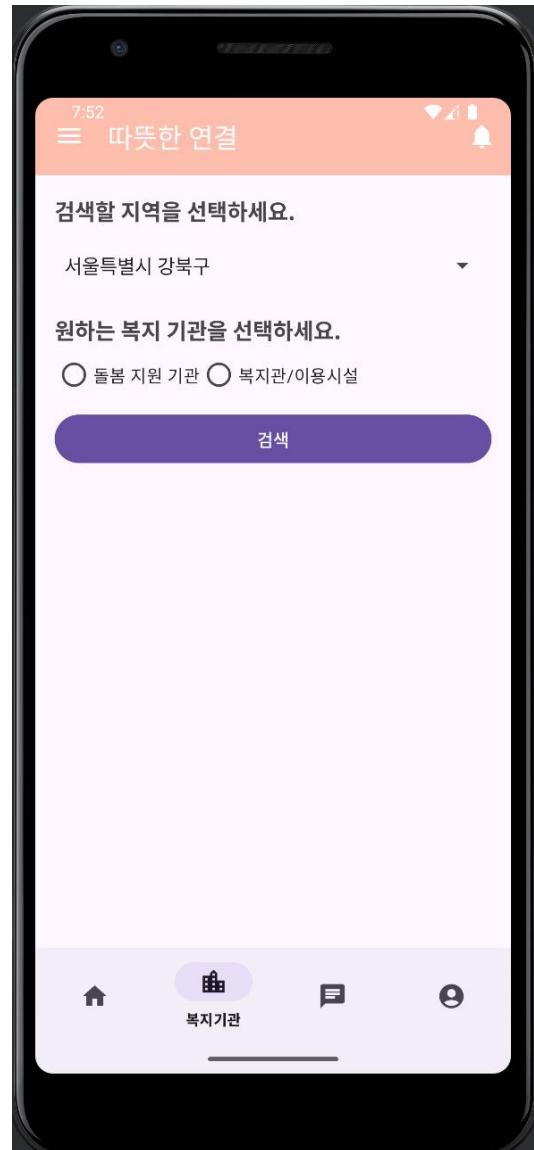
Mandatory Requirement (1): 5+ Screens (including Fragments)



Sign-up/Login Screen



Home(Daily Check-in) Screen(Tab 1)

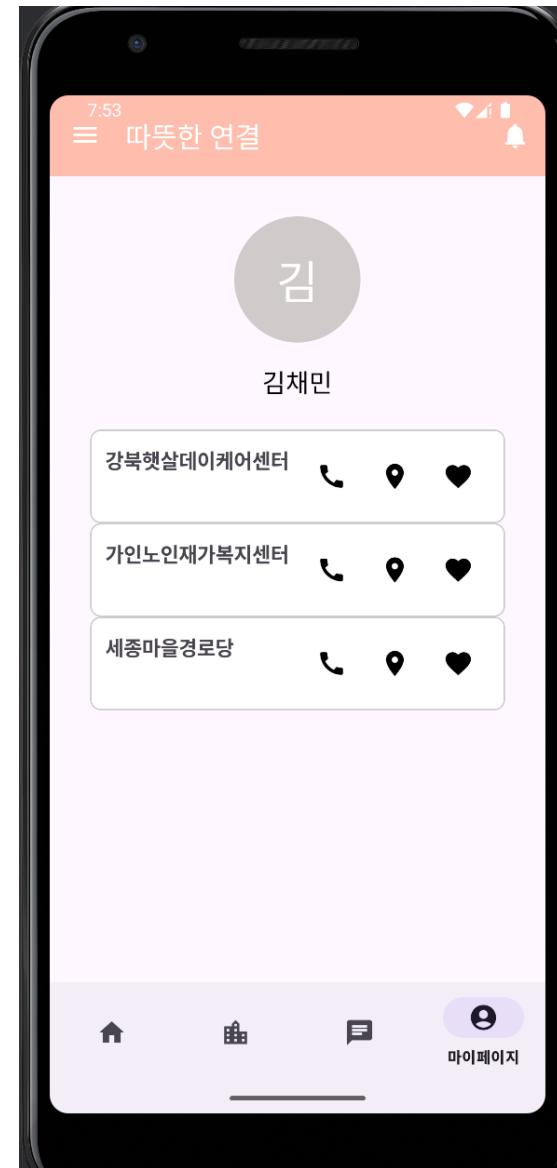


Welfare Institution Screen (Tab 2)

Mandatory Requirement (1): 5+ Screens (including Fragments)

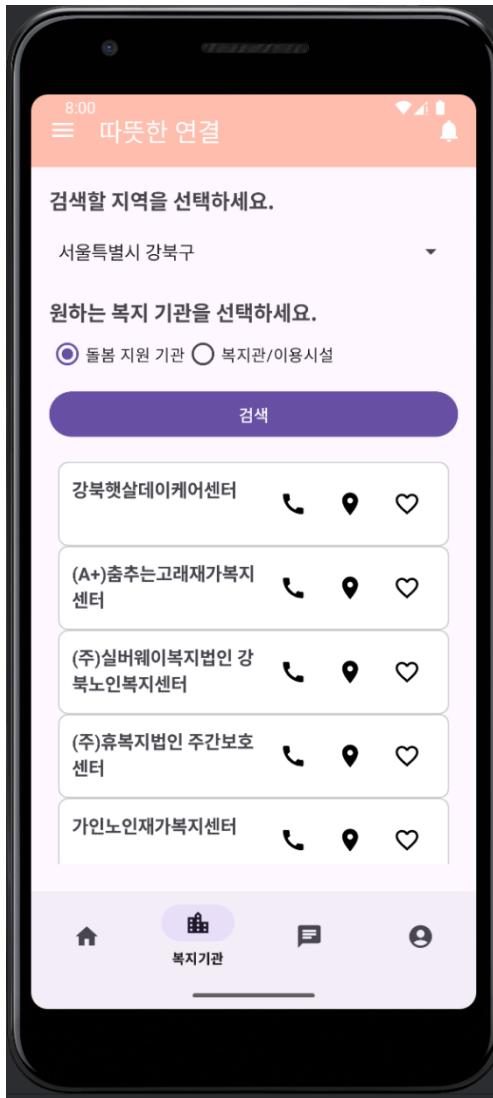


Bulletin Board Screen (Tab 3)



My Page Screen (Tab 4)

Mandatory Requirement (2): Use of RecyclerView



Welfare Center List

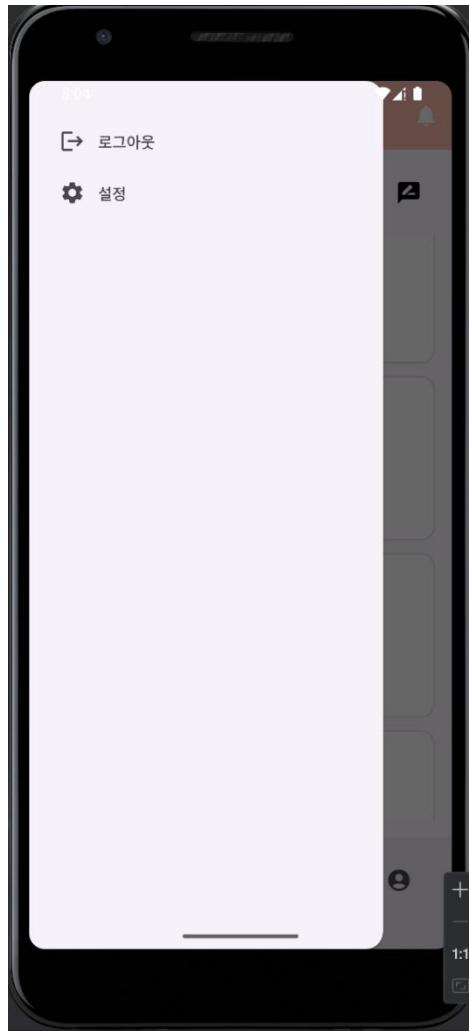


Favorites List

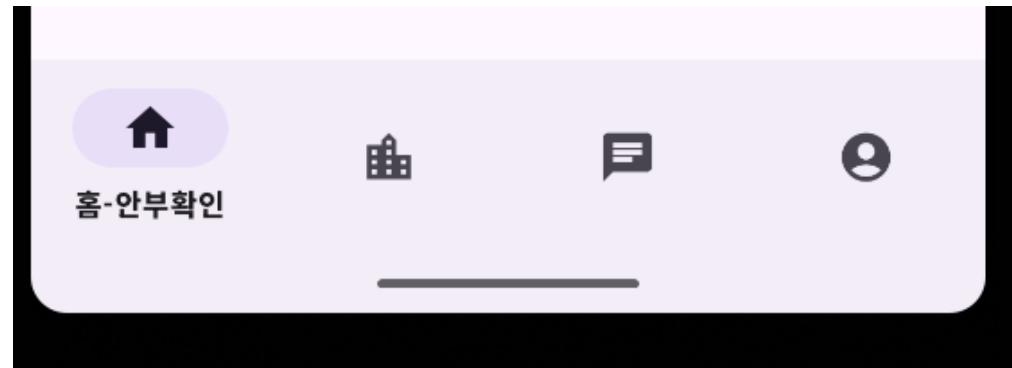


Board Post List

Mandatory Requirement (3): Implement 1+ of the following:
DrawerLayout & NavigationView OR ViewPager2 & TabLayout

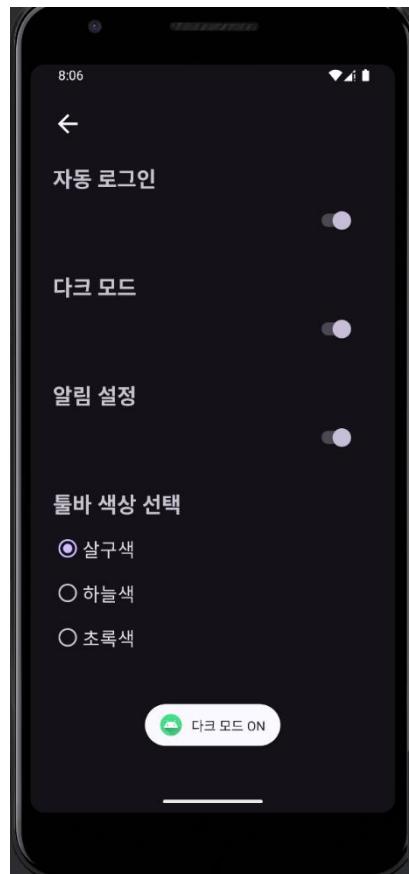


Left Drawer



Bottom Navigation View

Mandatory Requirement (4): SharedPreference (4+ Settings)



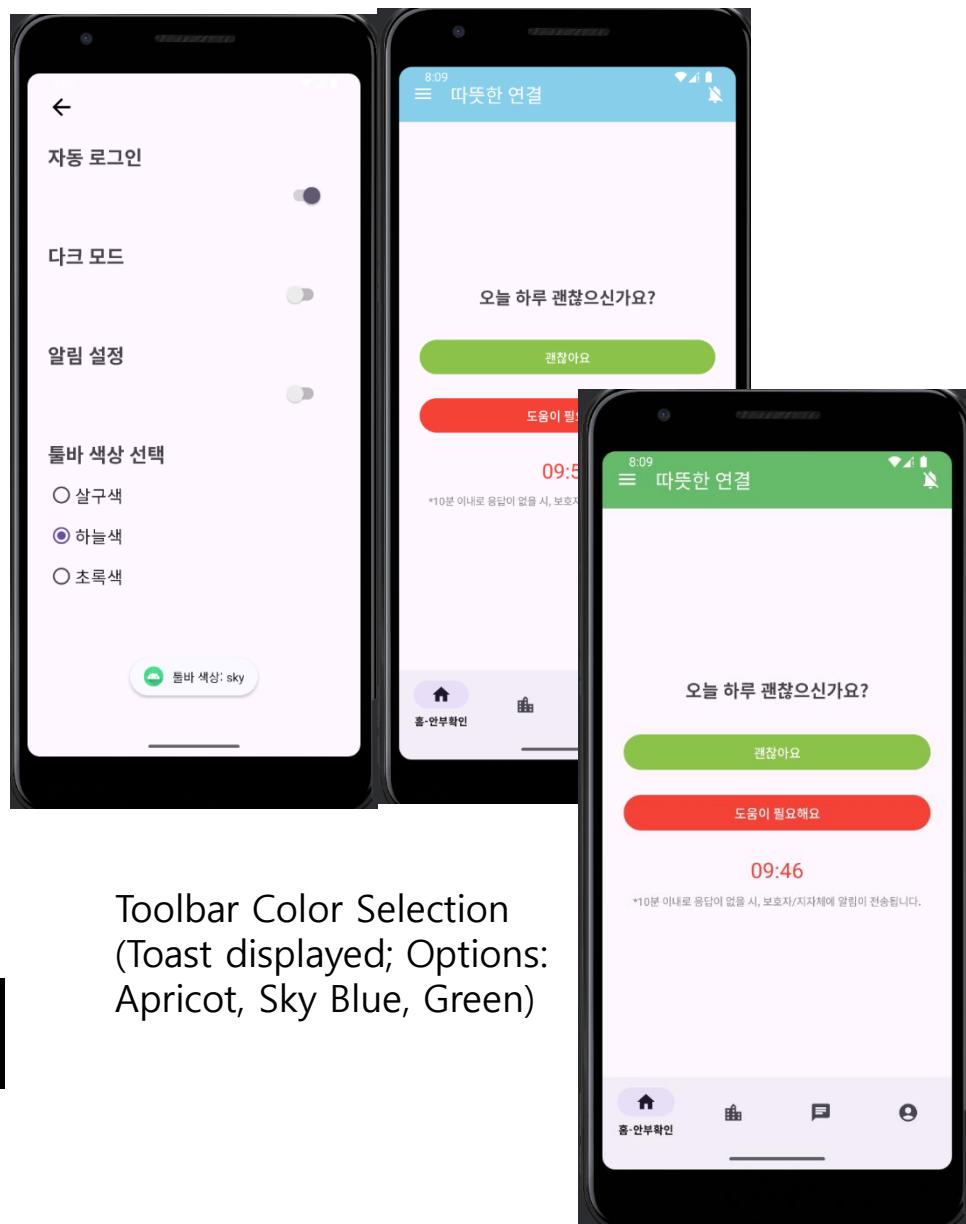
Auto Login (with Toast Notification)

Dark Mode (with Toast Notification)

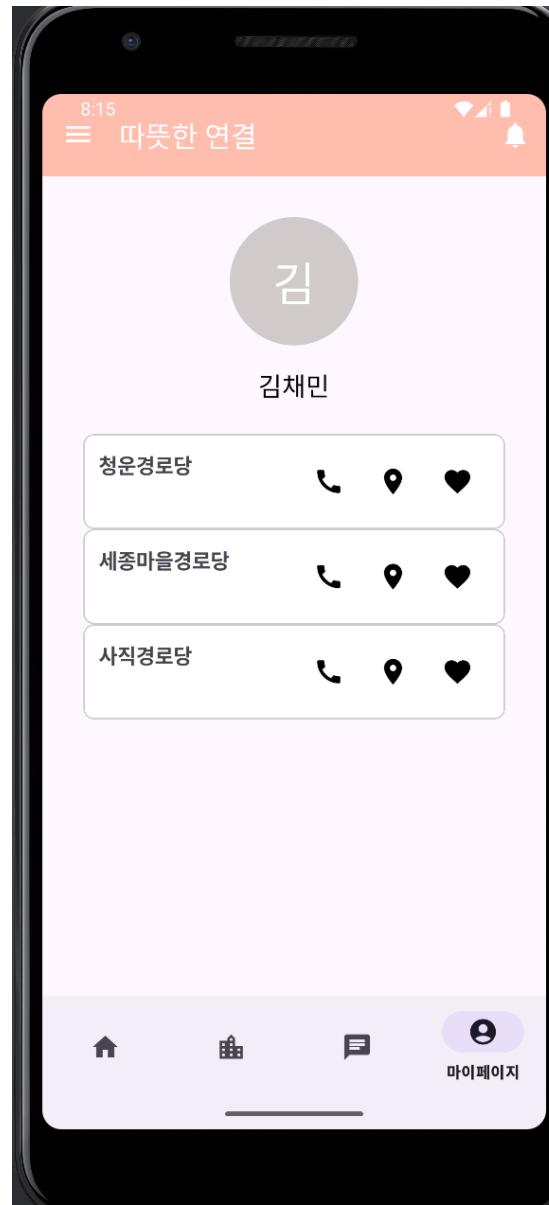
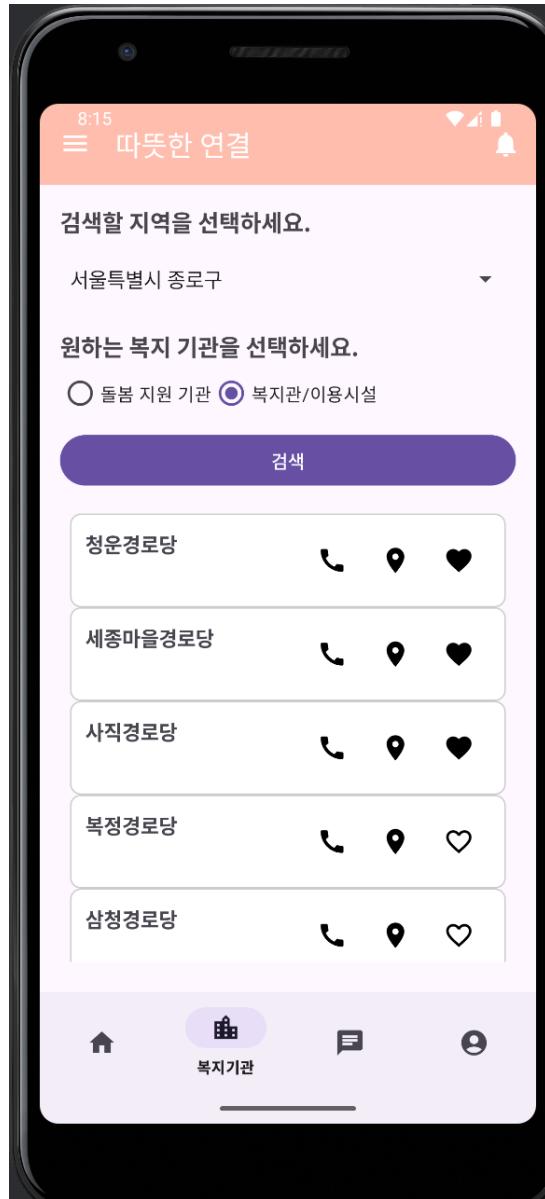
Mandatory Requirement (4): SharedPreference (4+ Settings)



Notification Settings (Toast displayed; Top-Right Icon changed)



Mandatory Requirement (5): Local DB Storage/Retrieval of Simple Data



Save Favorited Welfare
Centers

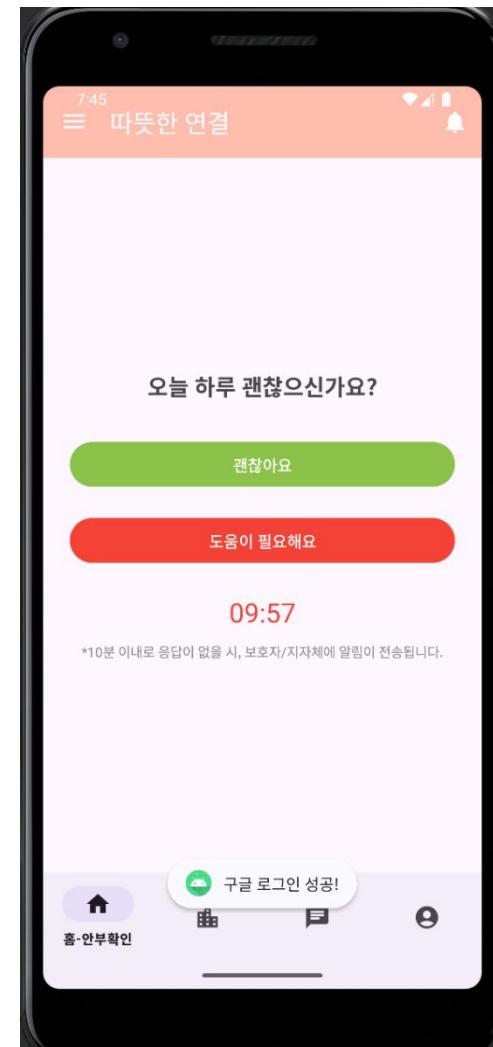
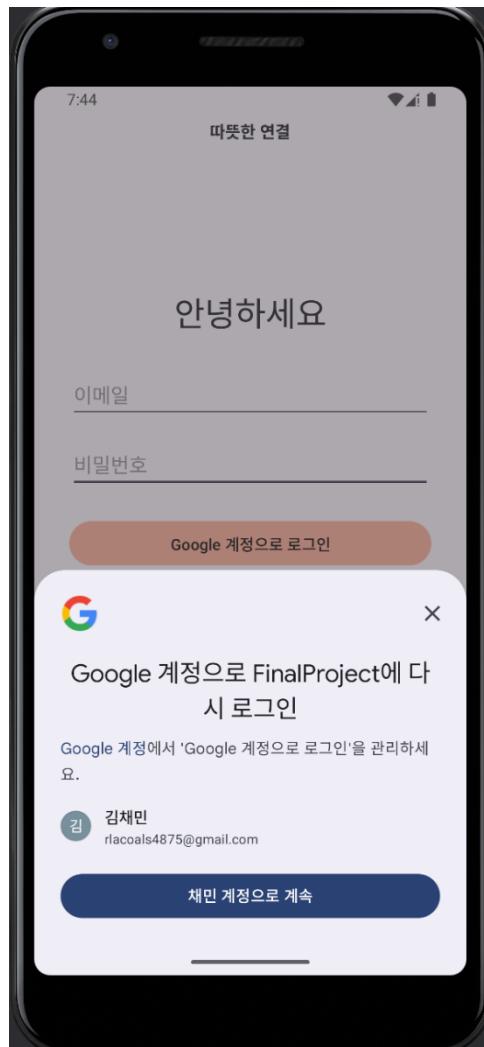
Mandatory Requirement (6): Firebase Email Sign-up/Login



Sign-up / Login Screen

- Successful sign-up upon entering email/password and clicking button (Toast notification prompts login).
- Login performed upon clicking the Login button.
- Auto-Login Checkbox Functionality (Can be disabled in Settings).

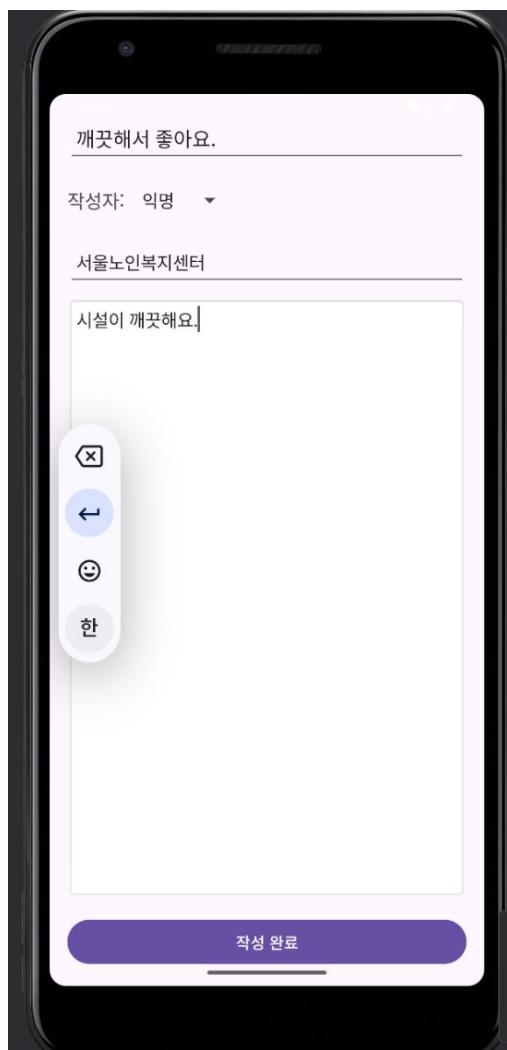
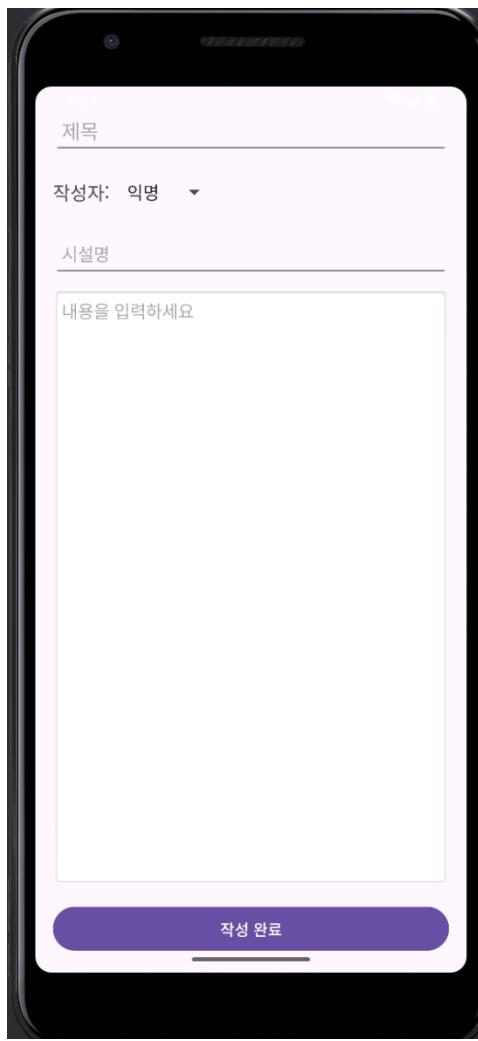
Mandatory Requirement (7): Firebase Google Login



On the Sign-up / Login Screen:
User clicks the 'Sign in with Google Account' button.

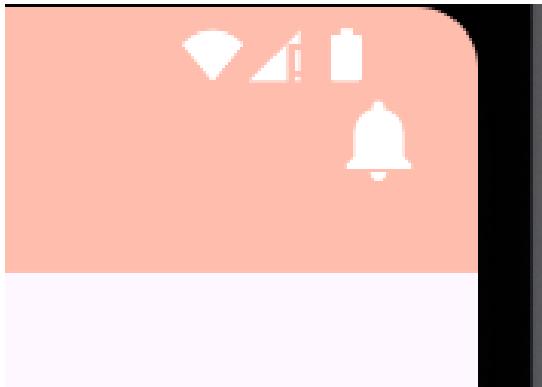
Toast message displayed at the bottom.

Mandatory Requirement (8): Post Functionality via Firestore

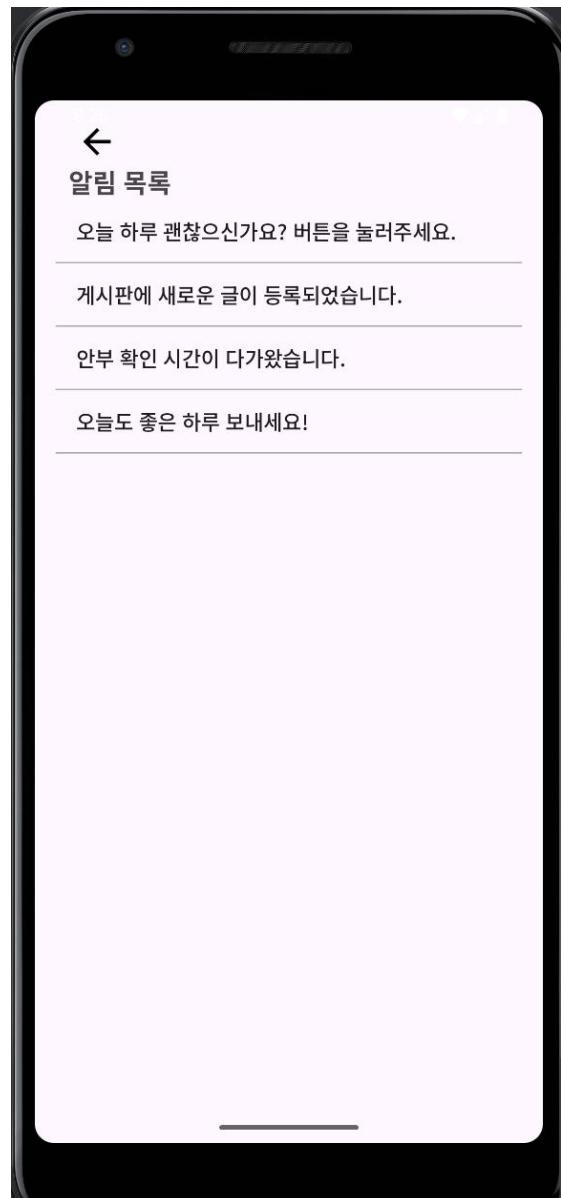


Post creation is accessed via the pencil icon (next to 'User Review Board').
Author is selectable from a dropdown (Anonymous / User Name).
Post is registered upon clicking the 'Complete Post' button.

Mandatory Requirement (9): Push Notifications



Notification list is displayed upon clicking the top-right icon.



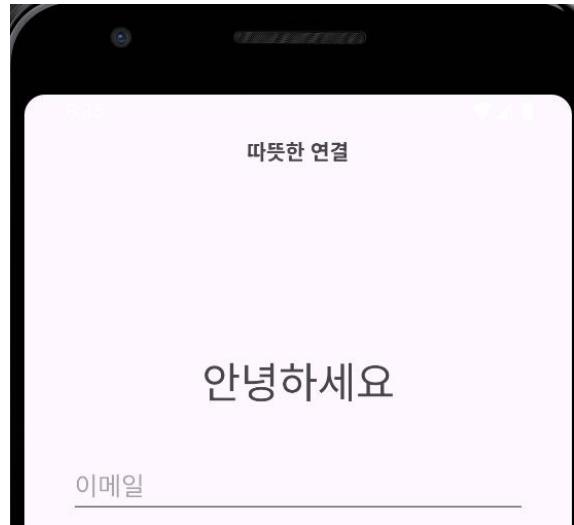
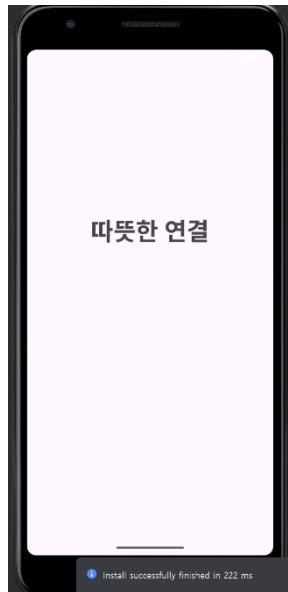
Optional Features

Optional Feature (1): Splash Screen

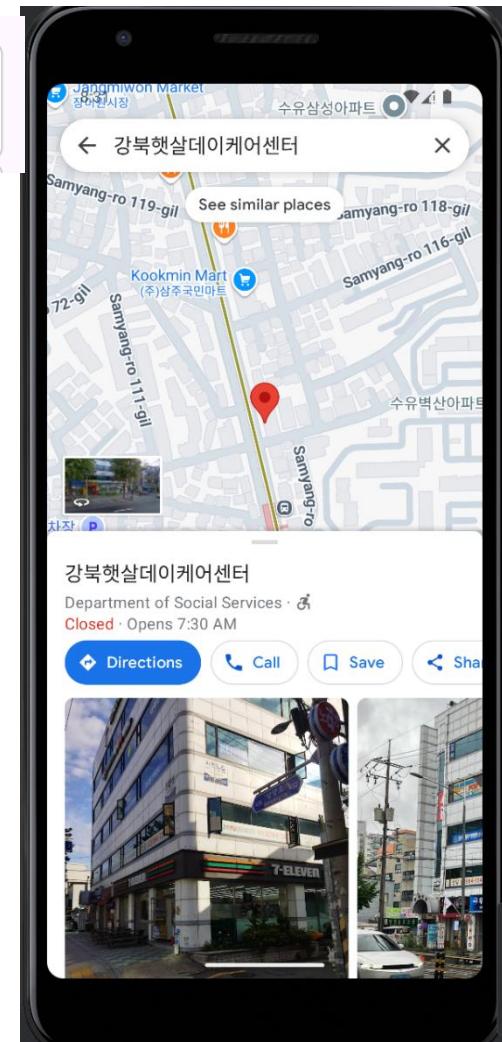
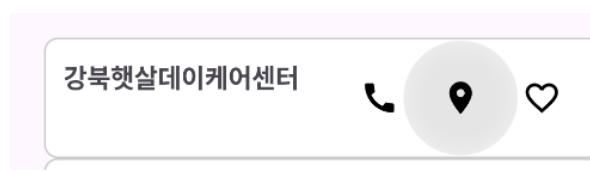
SplashActivity executes upon app launch.

Optional Feature (2): Animation Effect

The phrase 'Warm Connection' shrinks and positions itself at the top of the screen upon app launch.



Optional Feature (3): Google Maps-Based Location Feature



Location icon click in the Welfare Center List integrates with the Map application