

# 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

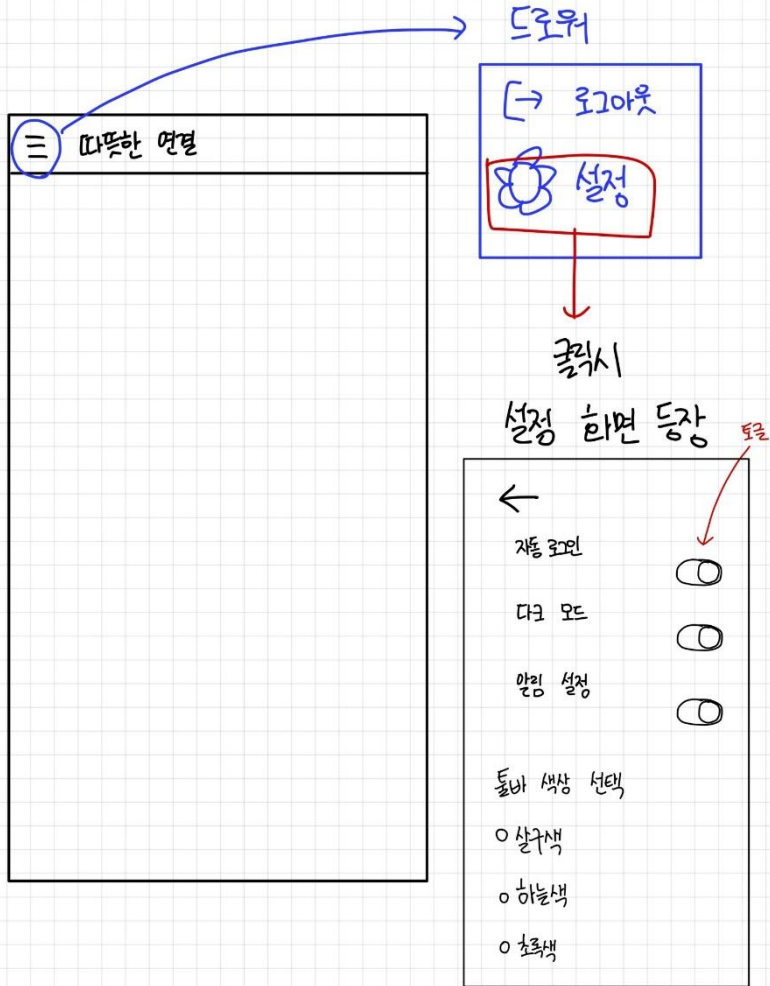
# UI Design Plan



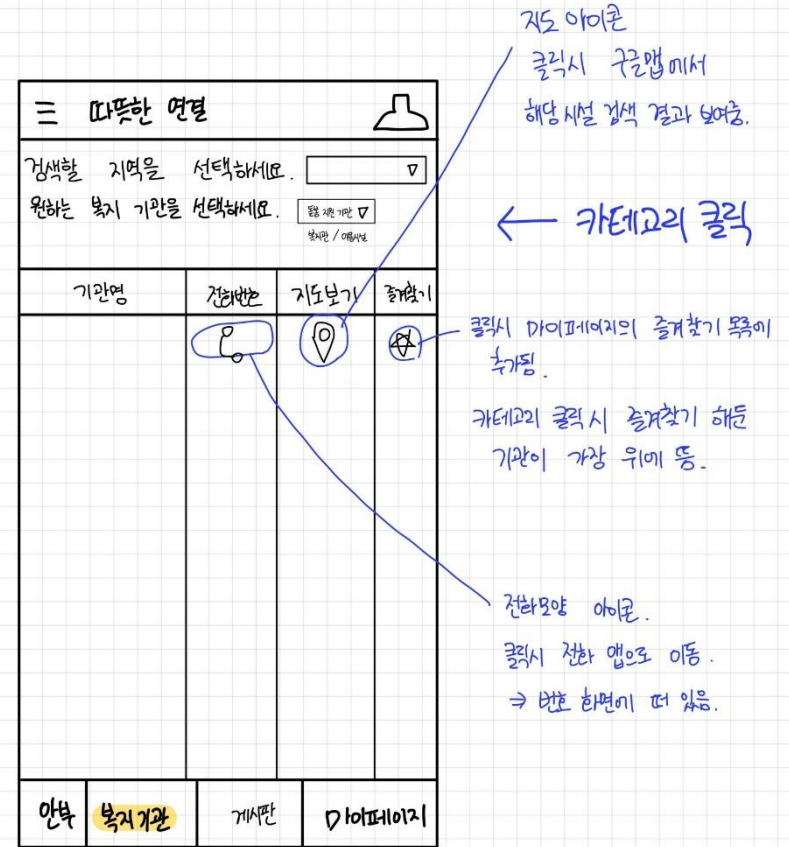
→ 앱 실행했을 때  
하면 중앙. 큰글씨. 2초 머뭇

## 1

정답



## 2 < 복지 기관 화면 >



### 3 < 게시판 화면 >

≡ 따뜻한 면밀

이름 후기 게시판

제목

작성자

시일명

시간

안락

복지기관

게시판

이미지

작성 이미지. ↑

클릭 시 작성 페이지로 이동

⇒ 게시물 리스트

제목

작성

작성

시일

작성

### 4 < 이미지 화면 >

≡ 따뜻한 면밀

홍길동

즐거찾기 목록

노민환판A

전함미운

기소미운

☆

안락

복지기관

게시판

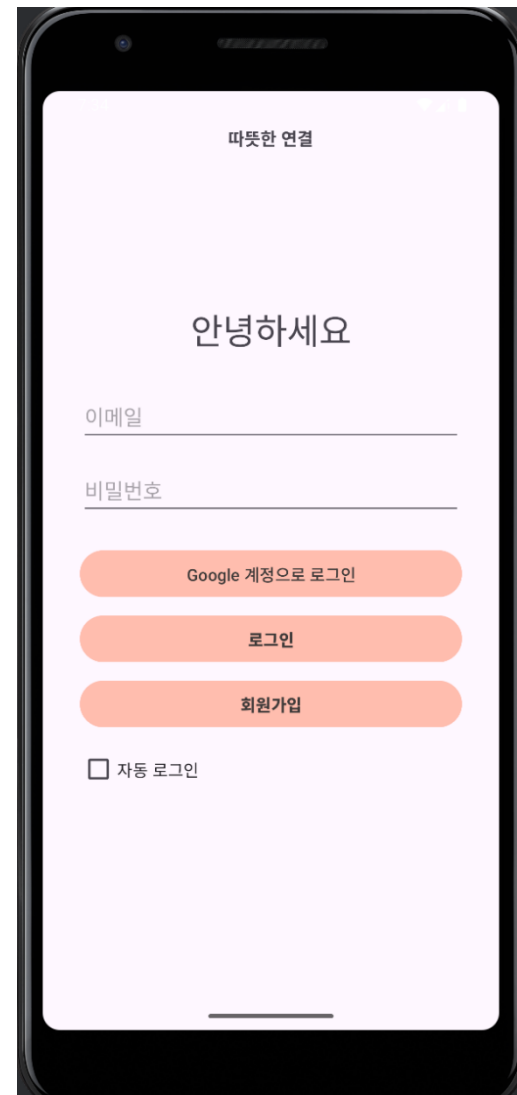
이미지



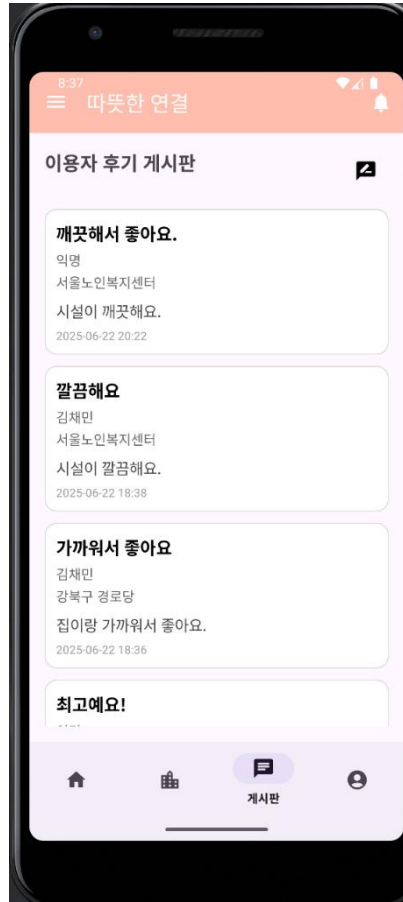
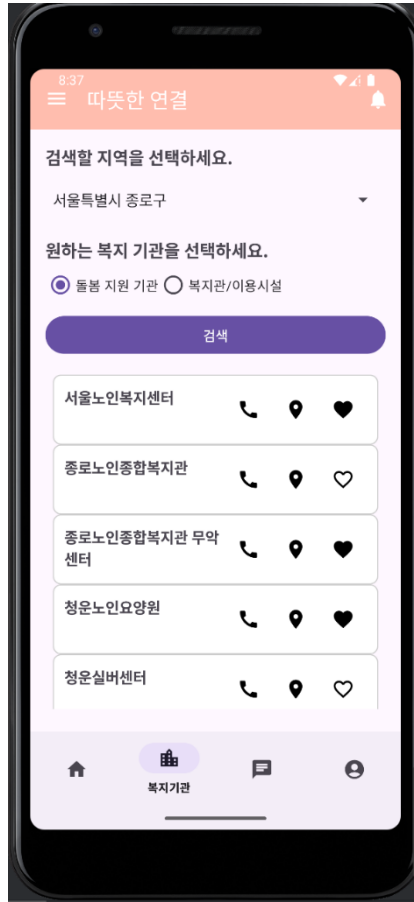
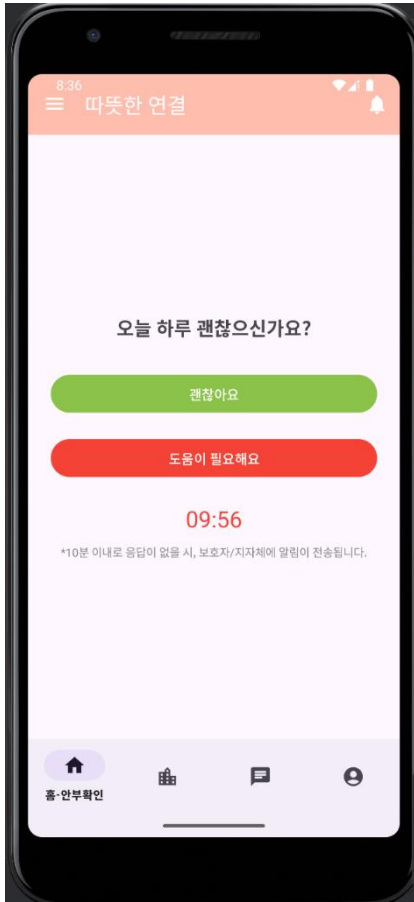
Final UI Design



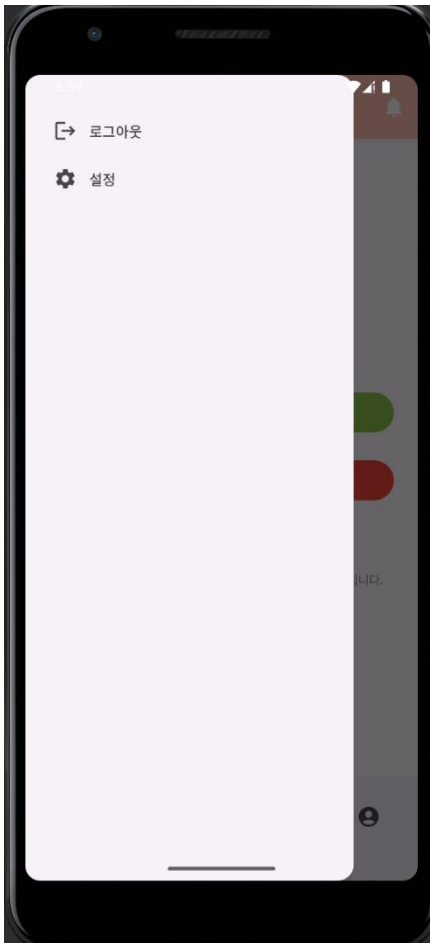
First screen shown when the app is launched



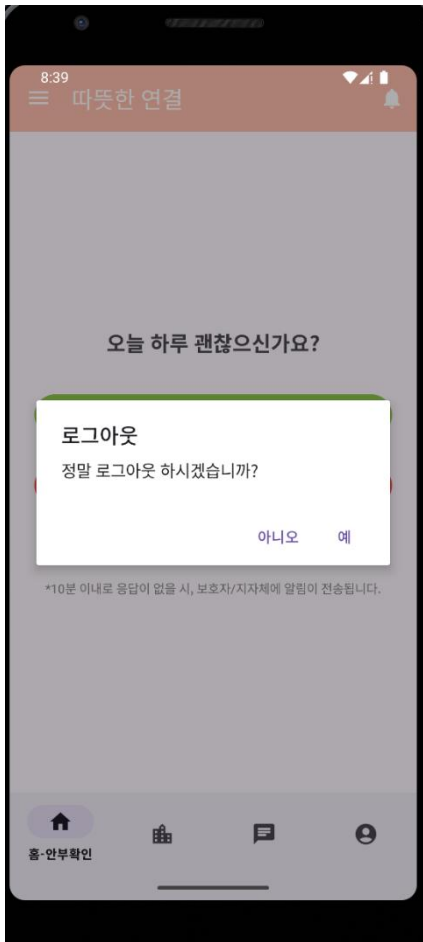
Sign-up/Login Screen



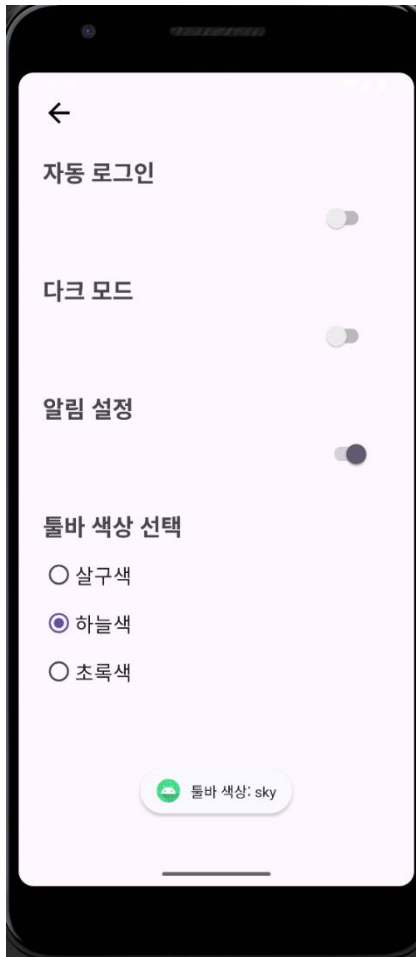
Home(Daily Check-in) Screen / Welfare Institution Screen / Bulletin Board Screen / My Page Screen



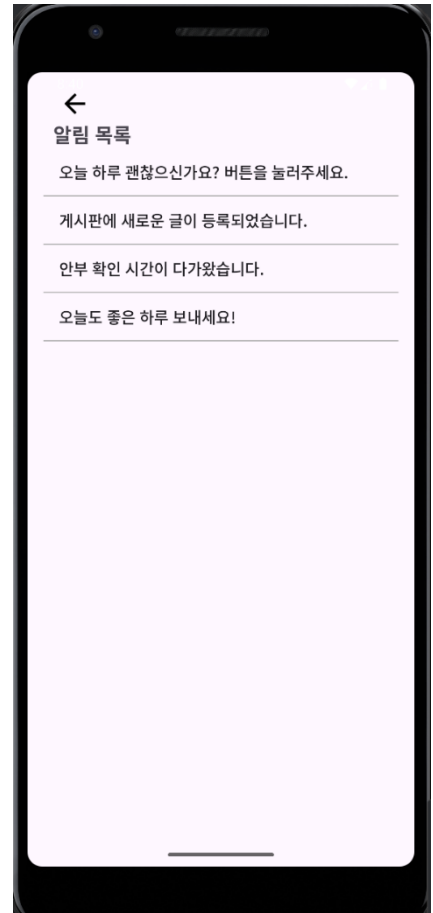
Drawer



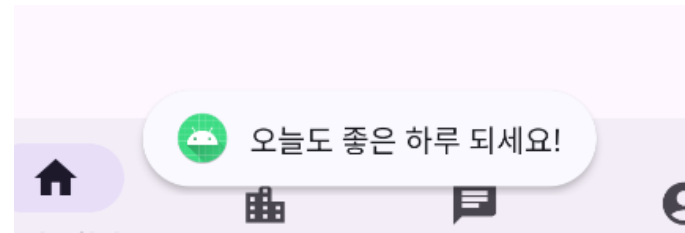
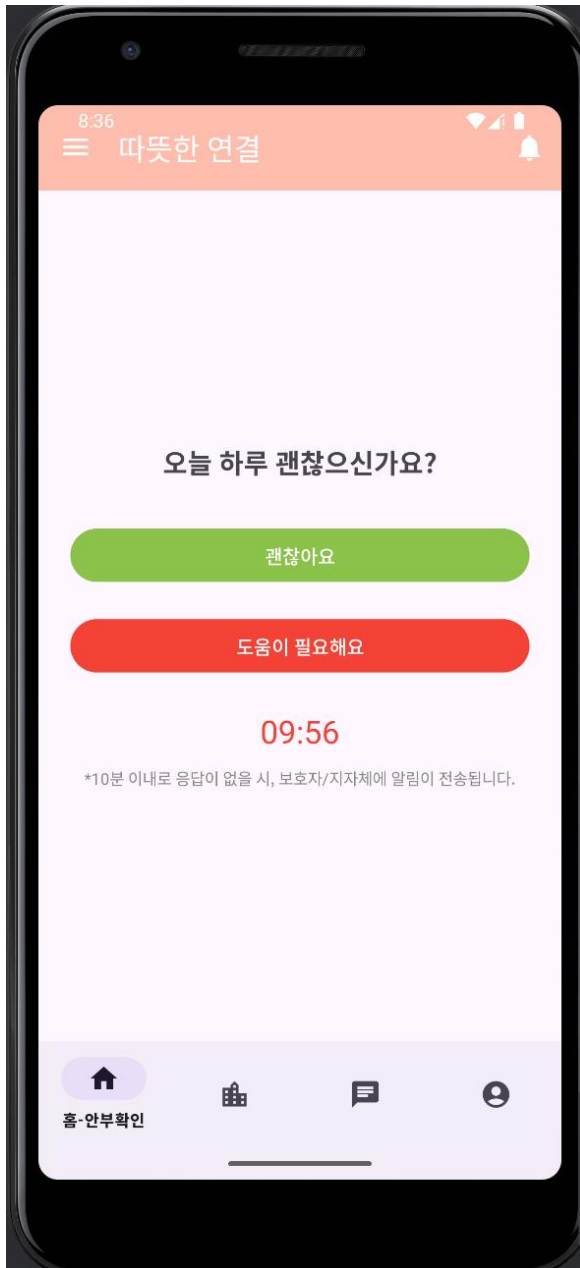
Appears when Logout is clicked



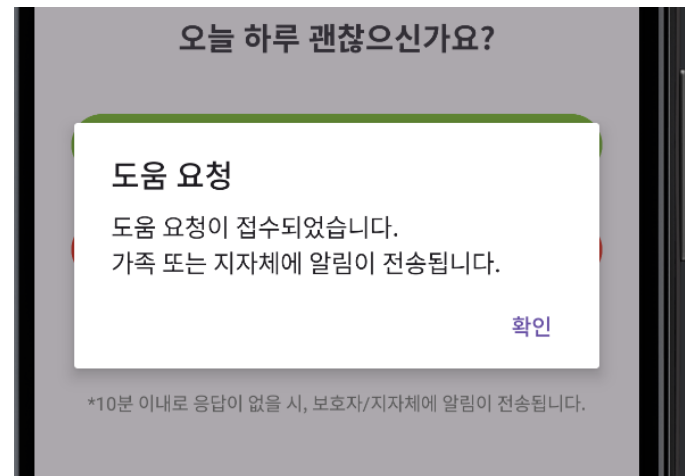
Screen shown when Settings is clicked



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.

제목

작성자: 익명 ▼

시설명

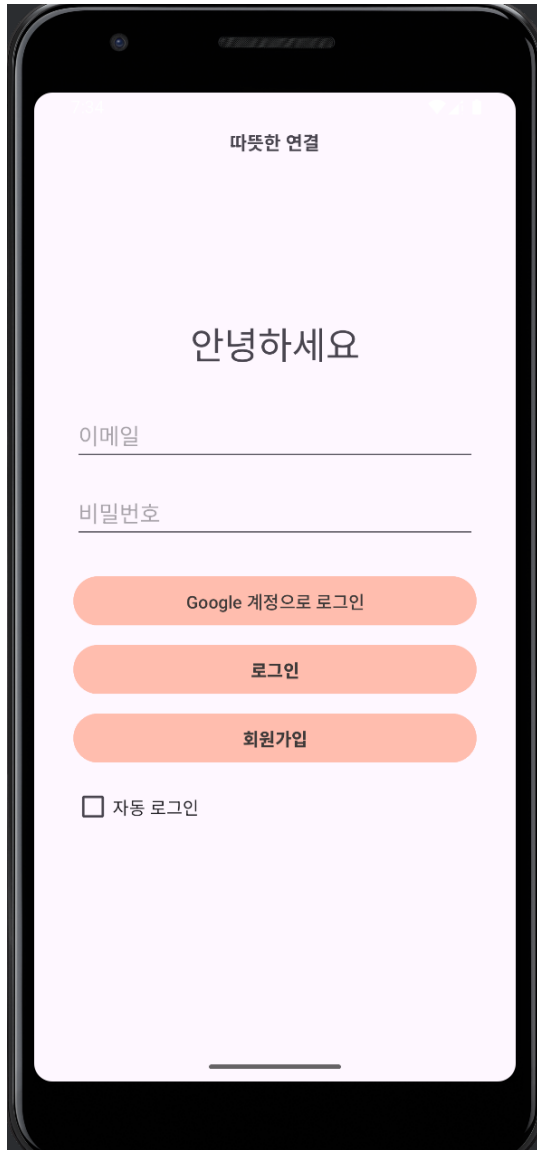
내용을 입력하세요

작성 완료

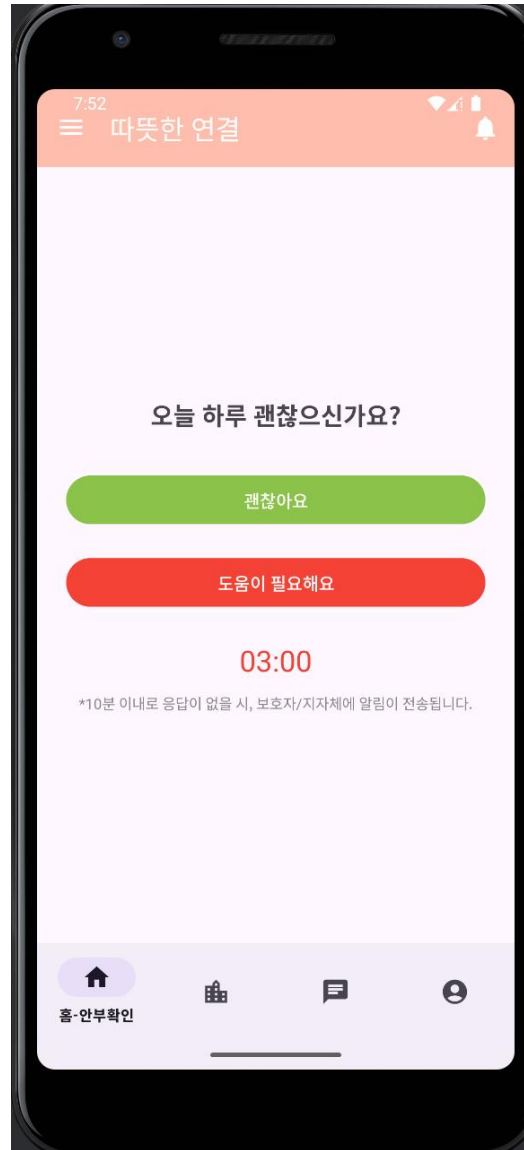
Writing Screen (accessed by clicking the pencil icon on the board)

# Mandatory Requirements

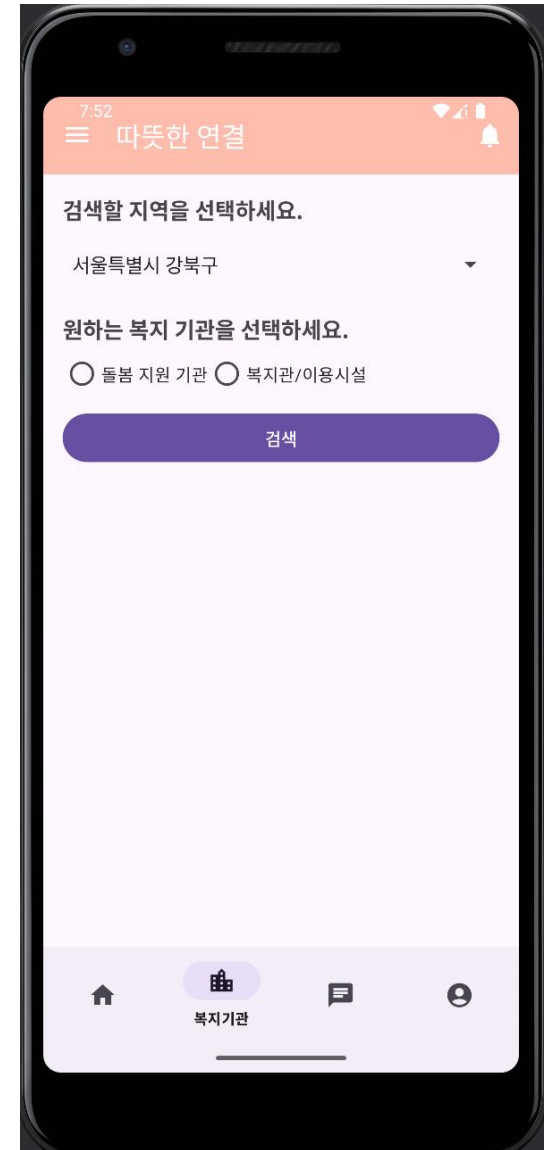
# Mandatory Requirement (1): 5+ Screens (including Fragments)



Sign-up/Login Screen



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



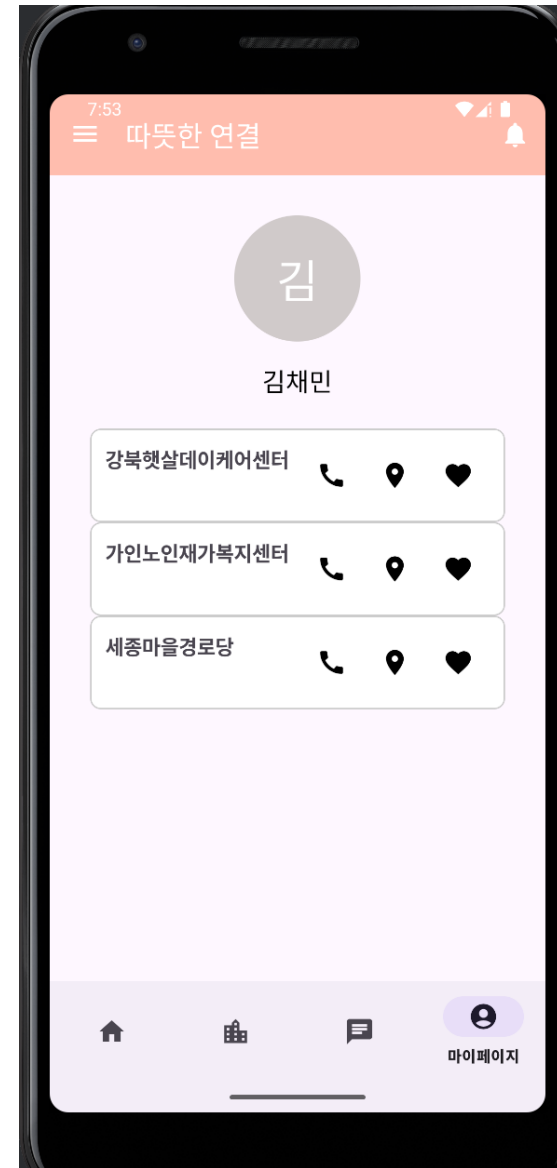
Welfare Institution Screen (Tab 2)



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

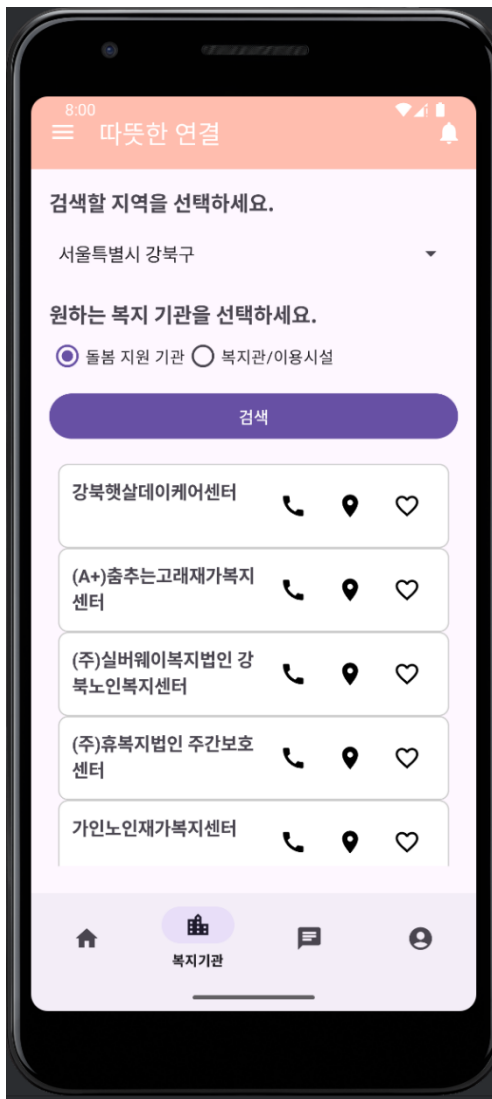


Bulletin Board Screen (Tab 3)

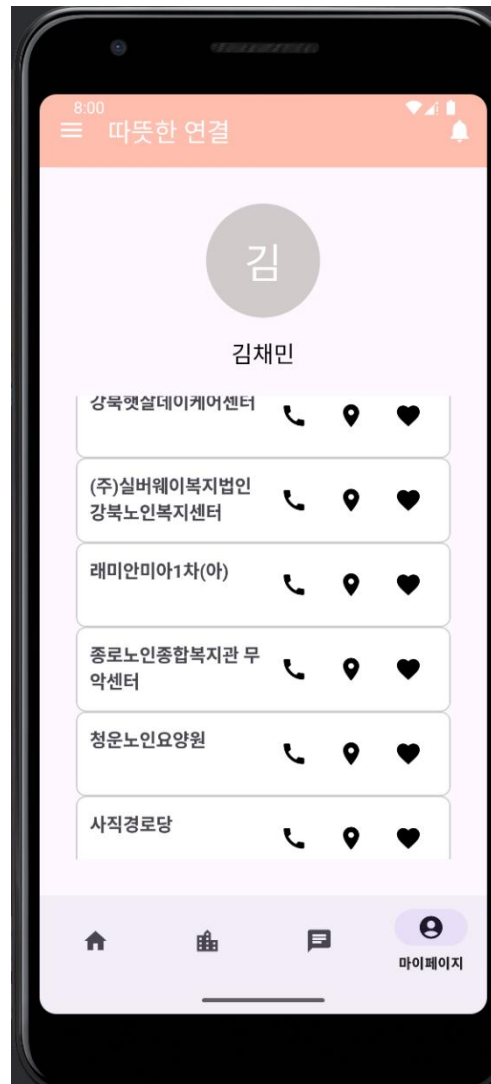


My Page Screen (Tab 4)

# Mandatory Requirement (2): Use of RecyclerView



Welfare Center List

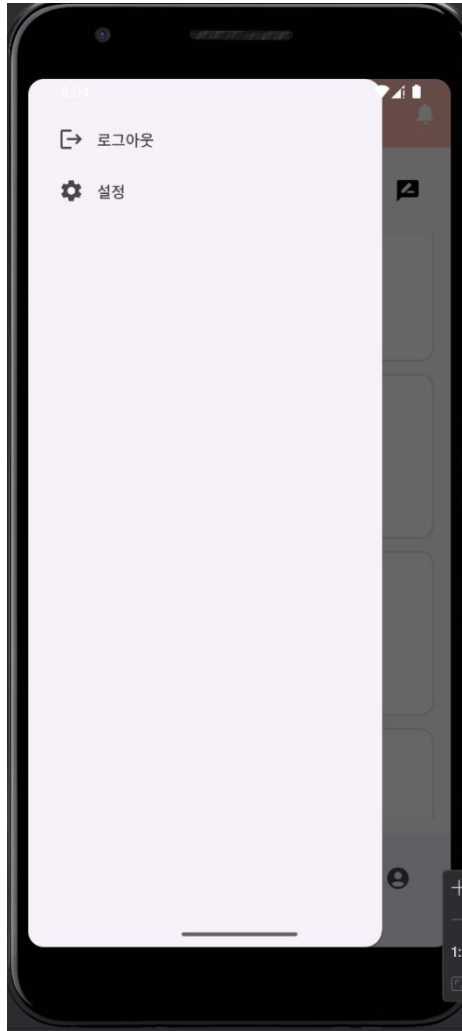


Favorites List

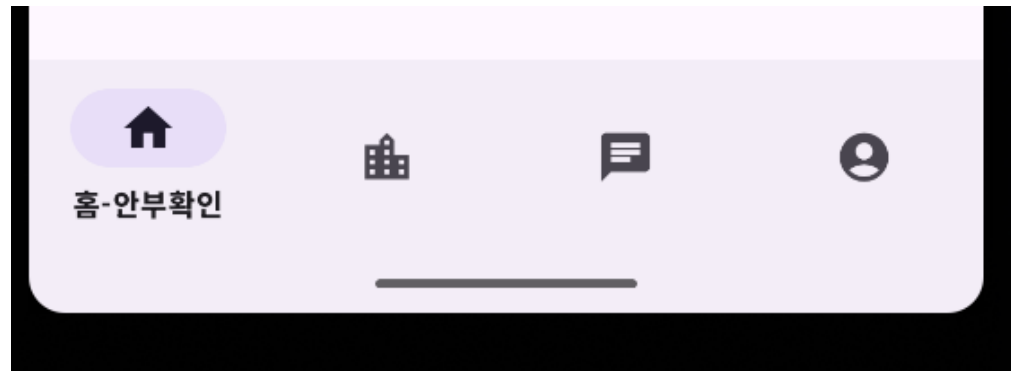


Board Post List

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

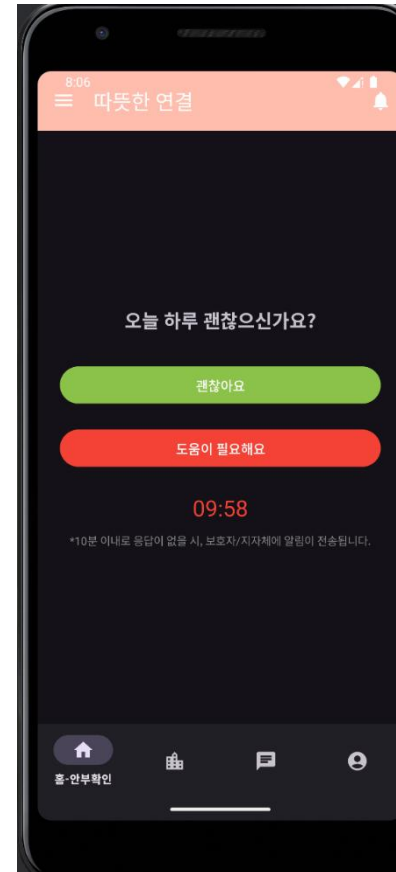
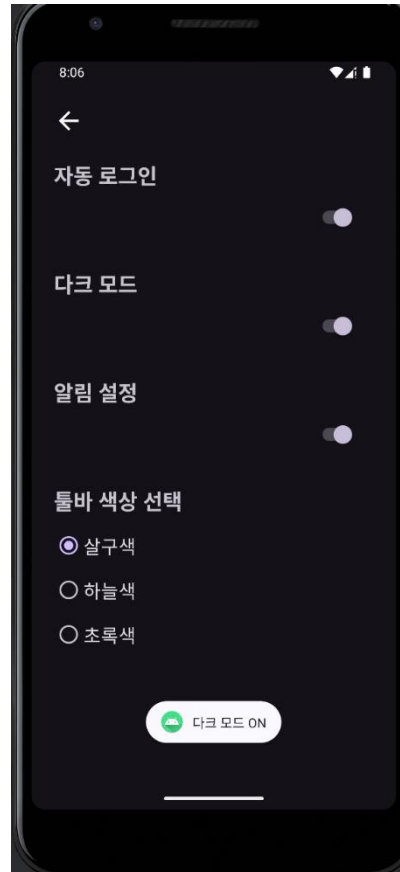


Left Drawer



Bottom Navigation View

# Mandatory Requirement (4): SharedPreferences (4+ Settings)



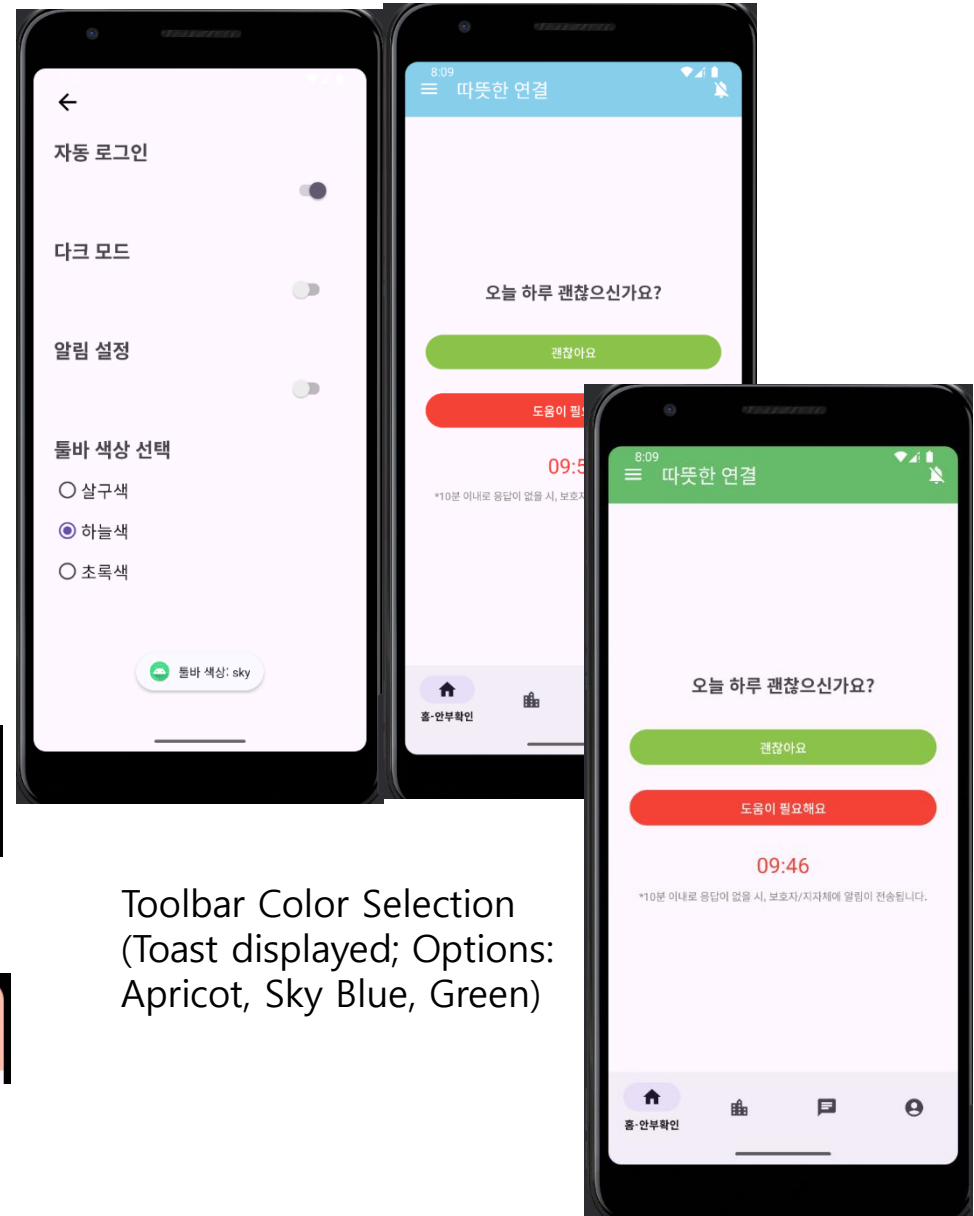
Dark Mode (with Toast Notification)

Auto Login (with Toast Notification)

# Mandatory Requirement (4): SharedPreferences (4+ Settings)

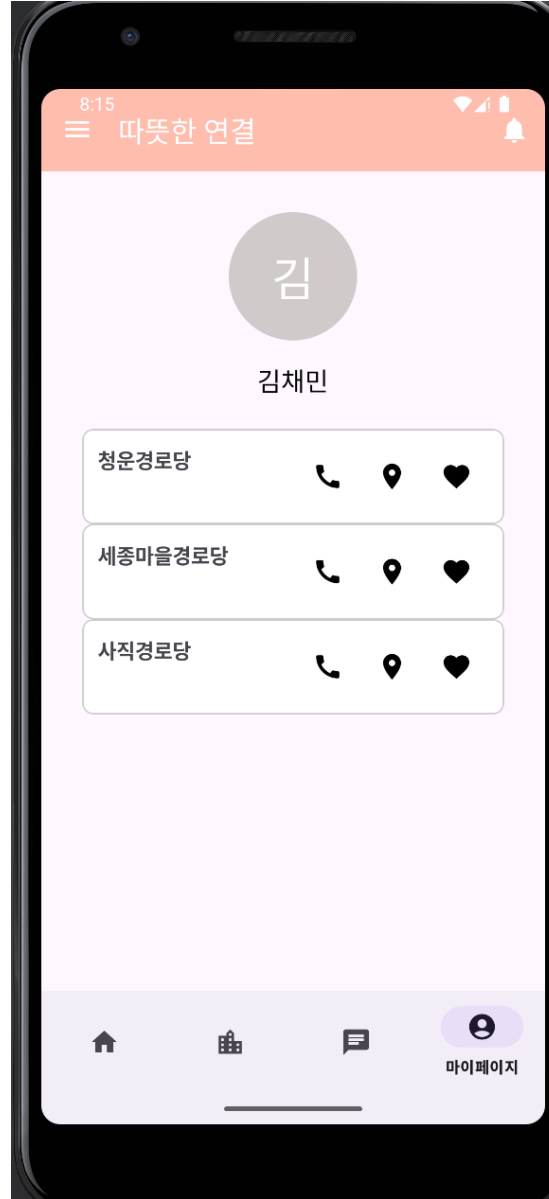
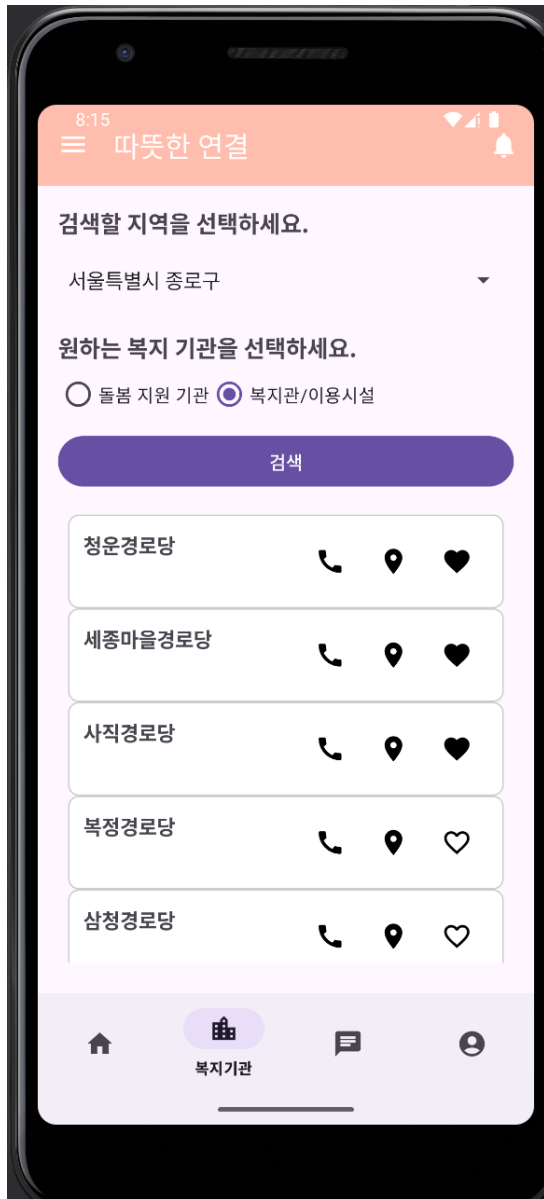


Notification Settings (Toast displayed; Top-Right Icon changed)



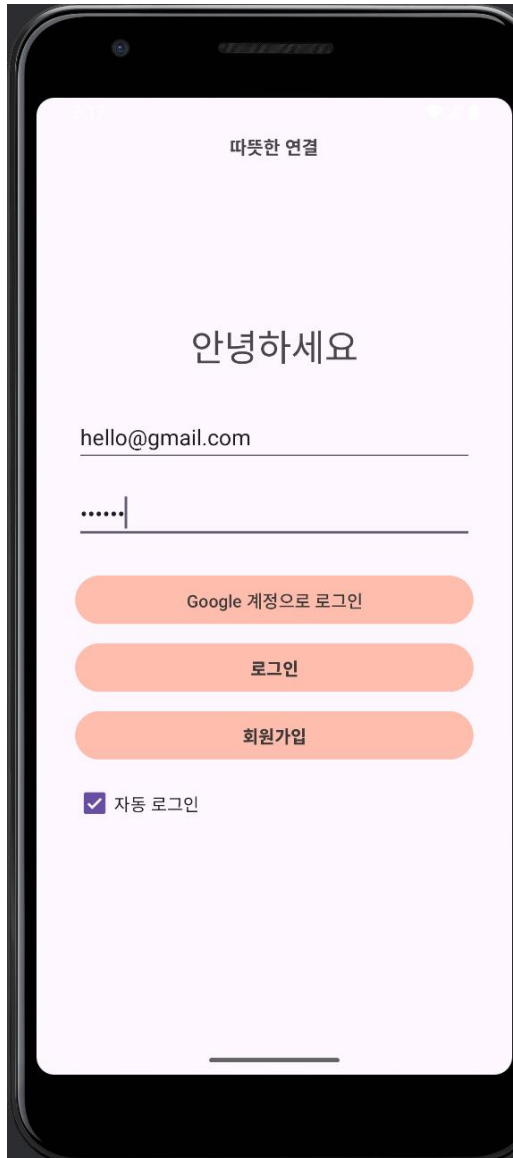
Toolbar Color Selection  
(Toast displayed; Options:  
Apricot, Sky Blue, Green)

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



Save Favorited Welfare Centers

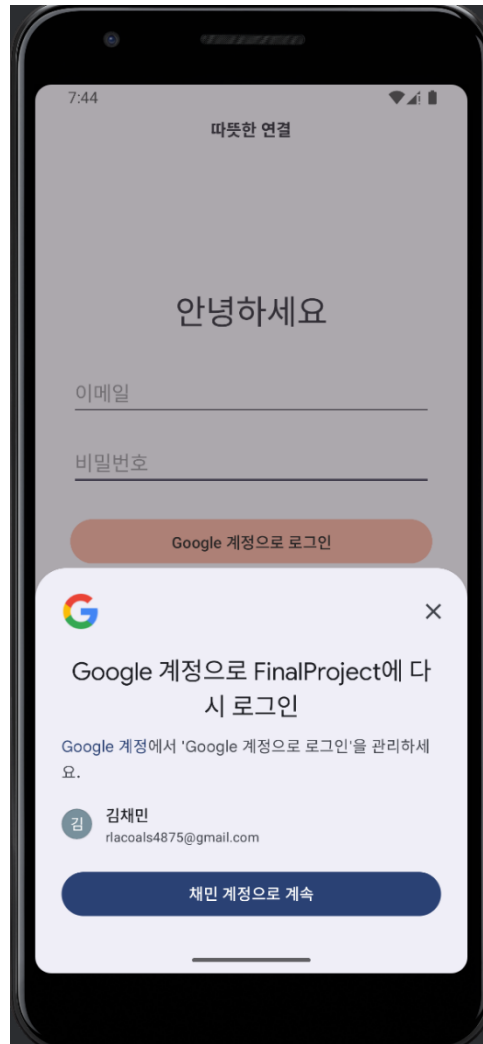
# Mandatory Requirement (6): Firebase Email Sign-up/Login



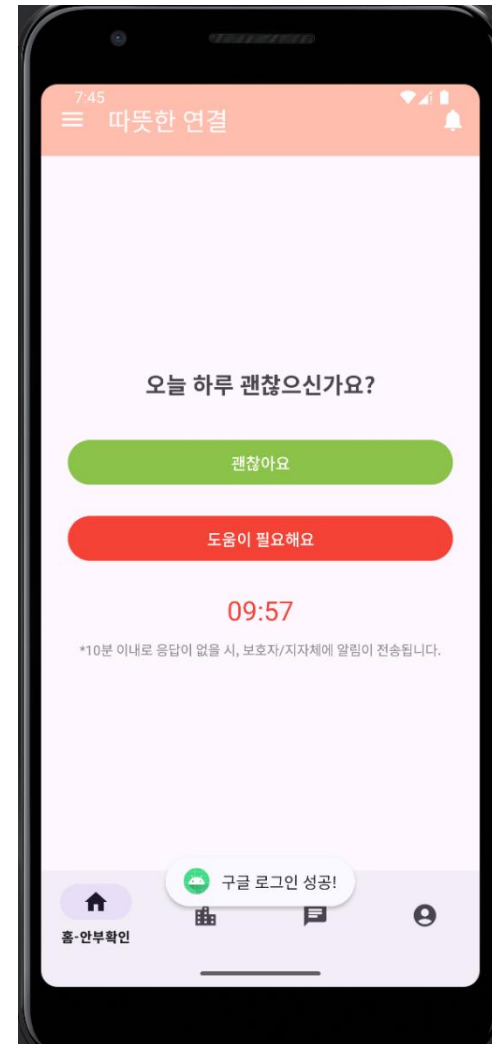
## Sign-up / Login Screen

- 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

제목

작성자: 익명 ▼

시설명

내용을 입력하세요

작성 완료

깨끗해서 좋아요.

작성자: 익명 ▼

서울노인복지센터

시설이 깨끗해요.

✕  
←  
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한

작성 완료

8:22  
☰ 따뜻한 연결 🔔

이용자 후기 게시판

**깨끗해서 좋아요.**  
익명  
서울노인복지센터  
시설이 깨끗해요.  
2025-06-22 20:22

**깔끔해요**  
김채민  
서울노인복지센터  
시설이 깔끔해요.  
2025-06-22 18:38

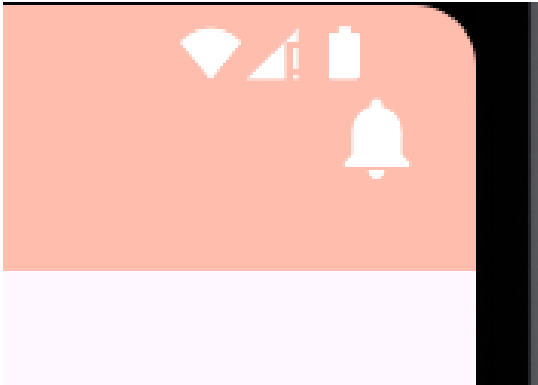
**가까워서 좋아요**  
김채민  
강북구 경로당  
집이랑 가까워서 좋아요.  
2025-06-22 18:36

**최고예요!**

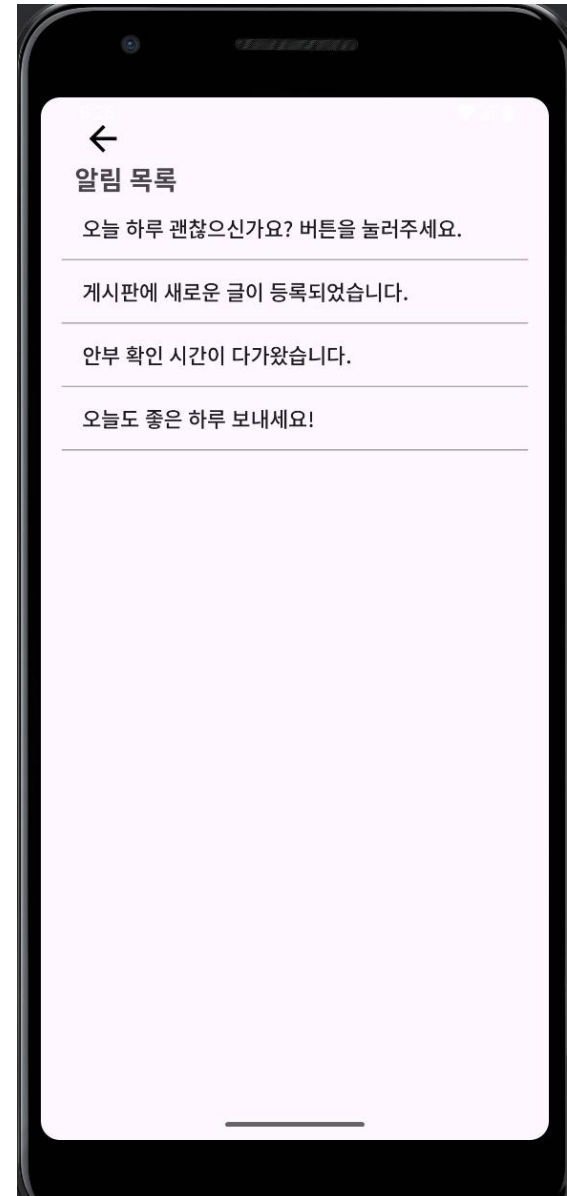
🏠 🏢 📄 게시판 👤

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.



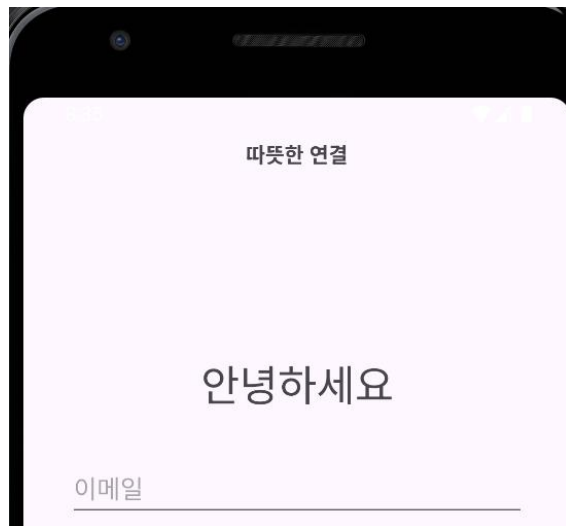
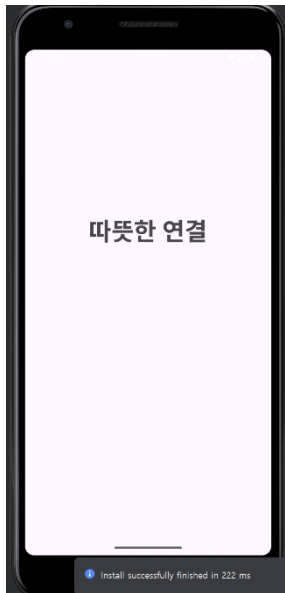
# Optional Features

## Optional Feature (1): Splash Screen

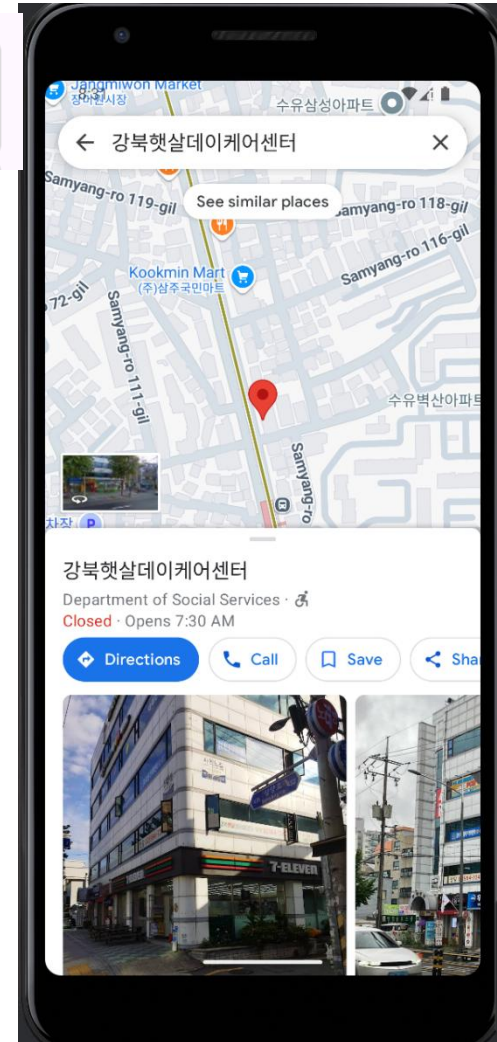
SplashActivity executes upon app launch.

## 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