

Selected Topic: Good-bad diary book

Overview

Nowadays, smartphones or other mobile devices have tremendously gained popularity in every country. They have become part of our daily life. Some people focus their minds on external distractions such as social media or entertainment. Our team believes that to help people improve their life, creating an application, that help people keep track of their life in terms of the righteousness of their actions throughout a day, will certainly help remind people of their actions and project how good or bad they live their life.

Goal

1. To help users to keep track of their actions in everyday using various rich text editing tools and
2. To help users remind and keep track of their daily good-bad goals.
3. To remind users of their actions in the past.
4. To demonstrate the capabilities of Android Jetpack by using some of its components such as Room database, Navigation, Fragments, as well as a design pattern called MVVM.

What does the app do?

With our app, users can register and login into the app to create new diary entries. In each diary entries, users can enter texts, location, and images as well as the type of their action (Good or Bad). Moreover, users can also search their diary and create a goal of doing good and get reminded depends on their preferences.

Planned Features

Name	Description
Adding a diary entry	A user can add diary entries for each day.
Adding Images to each diary	A user can add new images to a diary entry.
Rich Text editor for a diary entry	In each diary entry, a user can input and stylize text based on their liking.
Adding Tagging system	A user can give each dairy entry a tag which help classifying each diary entry.
Adding Reminders	A user can add reminders which will be notified by the app based on specified time.
Favorite and Custom Lists	A user can add diary entries into the favorite list or custom lists.
Geotagging entries	A user can also specify locations and embed into a diary entry.
Search and Filtering	A user can specify search or filter diary entries based on a given criteria within the app.
Good-Bad Tracking	For each diary entry, users can specify the type of the action that they did to quantify the amount that can be used to determine a process to achieve user-customized goals. Due to the fact that this app is supposed to be used daily, providing a customization capability will certainly prevent users from getting bored. UI will be customizable in terms of accent colors, light/dark theme, header images, notification sound, typefaces and some UI layout in the diary entry list or the dashboard.
UI Customization	
Localization Thai-Eng.	To extend the coverage of user demographics, Thai localization is required.
Registration and User Authentication	To secure sensitive information of a user, user registration and authentication is required.
Room database	To demonstrate the capability of the room database, we planned to use RxJava and room database as well as LiveData to enable an MVVM clean architecture within the app with reactive programming.
Multi-local Accounts support	On top of registration and authentication, supporting multi-local account will be useful for people who share their devices with others. Accounts can be swiftly switched.
Good and Bad Goal	To help users improve the way they live, we also planned to introduce a goal which can help motivate users doing good more.
Good-bad statistics	On top of the goal, statistics such as the total or average of good-bad can prove useful for some users.

Diaryly

Application Structure

