

Simple Weather App

Mobile Programming Final Project

22101214 최규진

1. Prerequisites

Used "com.android.volley:volley:1.2.1" library for HTTP rest api.

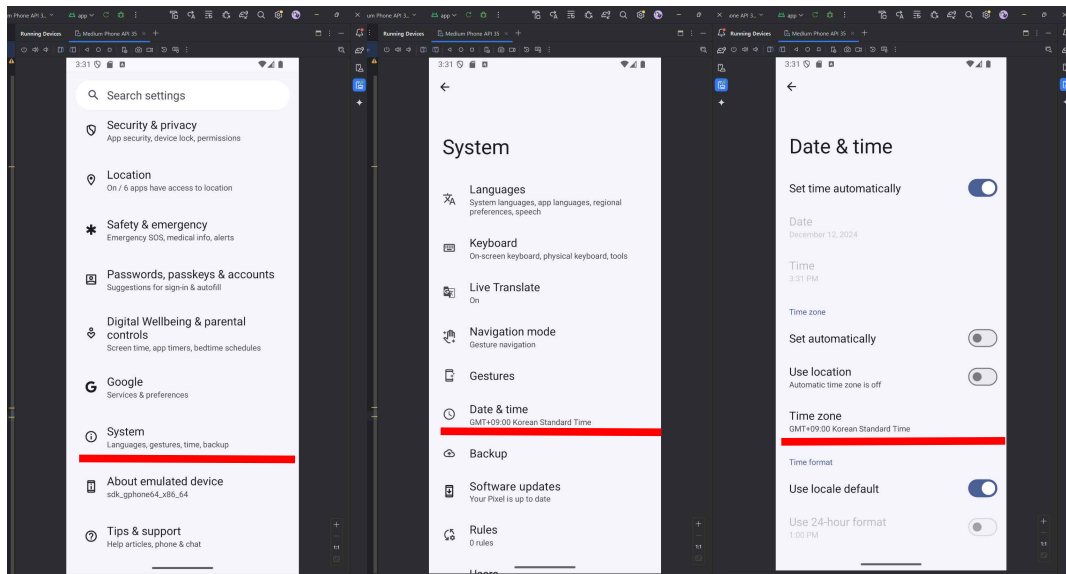
Used "com.squareup.picasso:picasso:2.8" library for displaying image from URL.

Used "com.google.android.gms:play-services-location:21.3.0" library for accessing location.

Used Medium Phone API 35 for emulation.

\SimpleWeatherApp\app\src\main\java\com\example\simpleweatherapp\WeatherRepo.java 파일의 21번째 줄에 API 키를 과제란에 제출한 API 키로 바꿔 주셔야 앱이 정상 작동합니다.

2. How to use the app

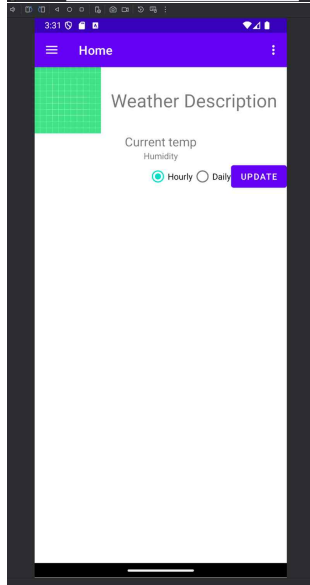


In Settings>System>Date & Time>Time zone, set timezone to KST, for the app to work properly.

Allow Internet access & Location access when startup.

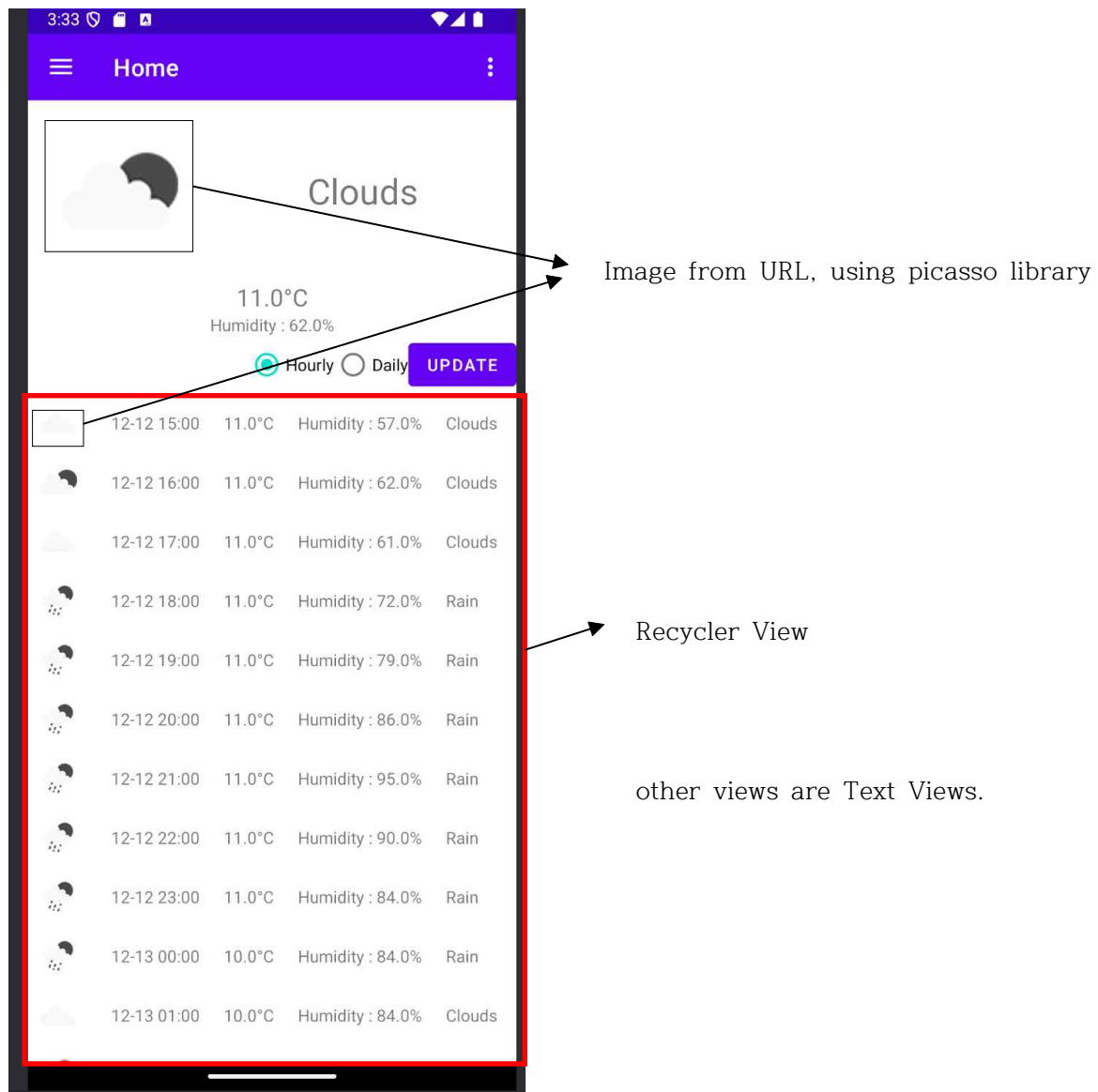
Use Hourly or Daily radio button to select mode.

Click Update to Refresh forecast.



3. How I implemented the app

- Emulator shows weather of LA, america.
- Get weather data from <https://openweathermap.org/> using volley, process data via JSON.
- Show weather Icon using Picasso
- Update Button triggers to get current weather, forecast data and current location



4. Further Improvements

Drawer Menu에 도시를 동적으로 추가하고 삭제하는 기능(참고 : https://pick8chu.github.io/android_navigation_drawer.html), 도시이름을 통해 GeoCoding 하는 기능, 도시 이름만으로 위경도를 추적하고 날씨를 보여주는 기능을 추가하려 하였으나 시간 관계상 추가하지 못해서 아쉽습니다.