

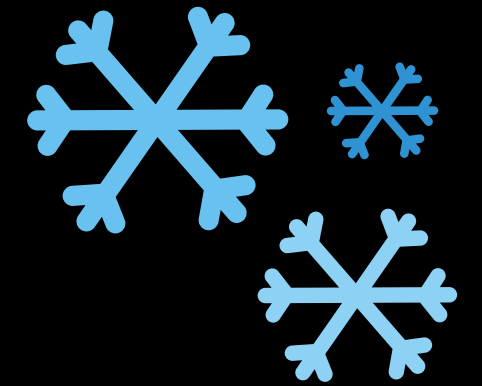
weather App

Advanced programming

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BABOU Malika

SUMMARY



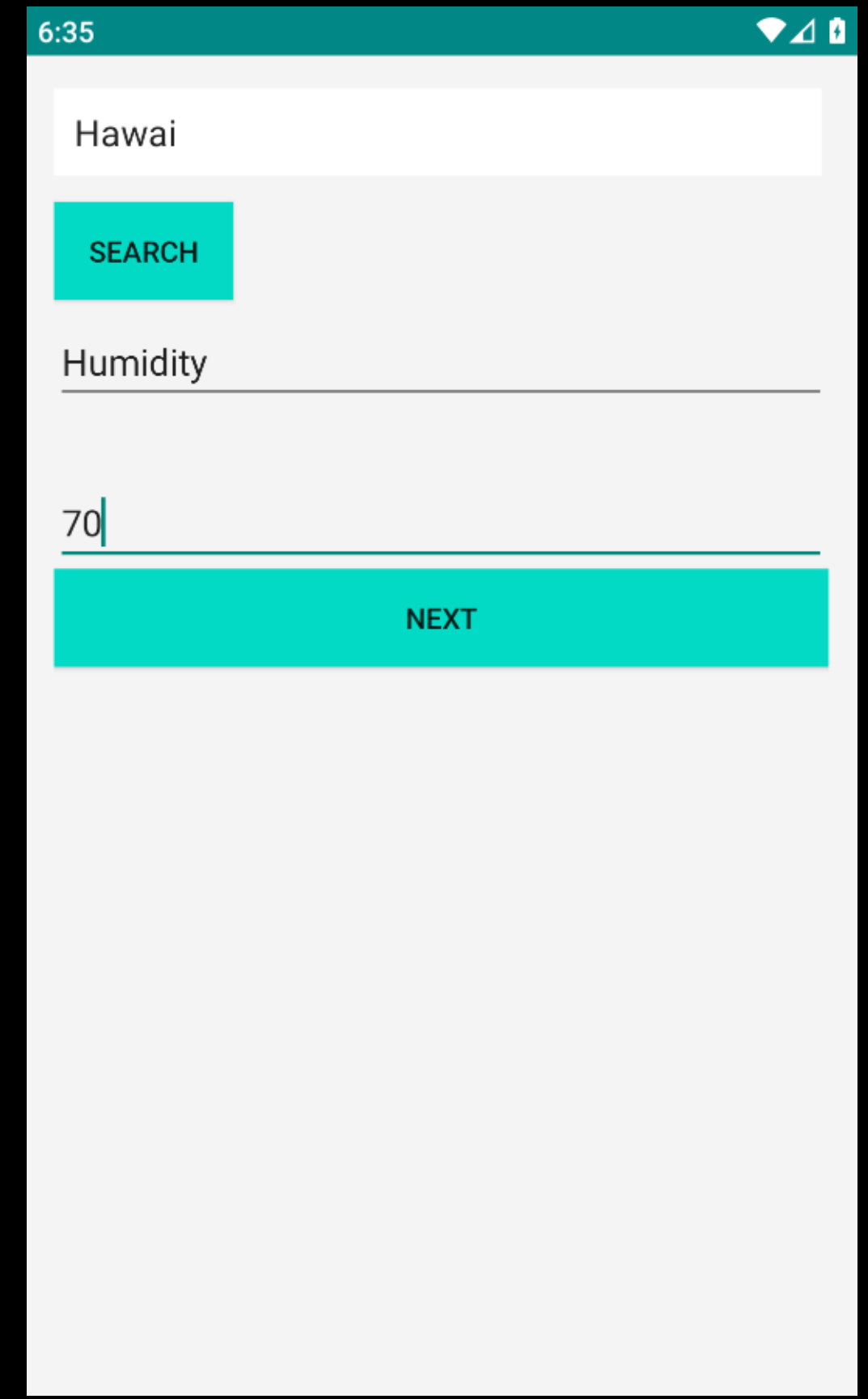
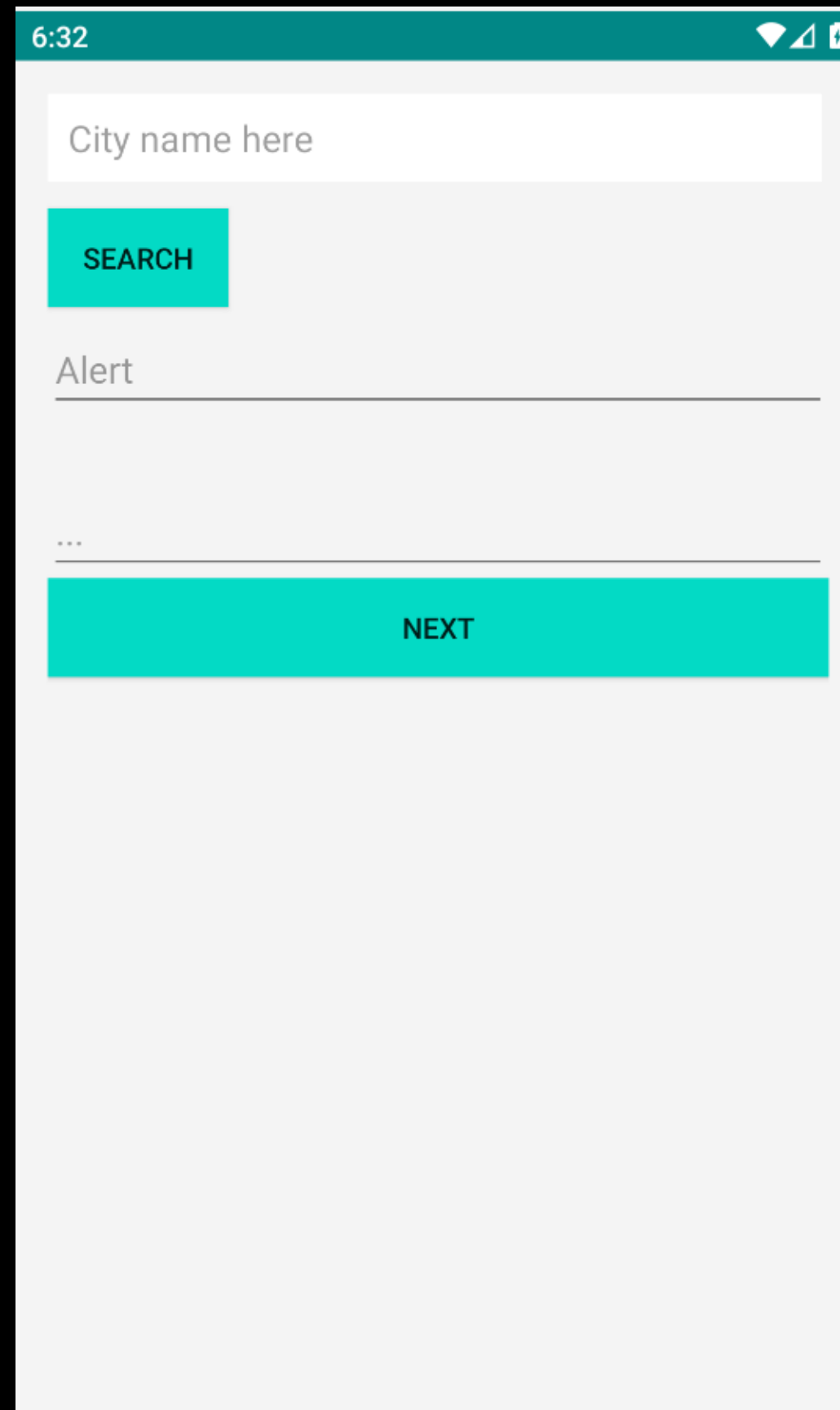
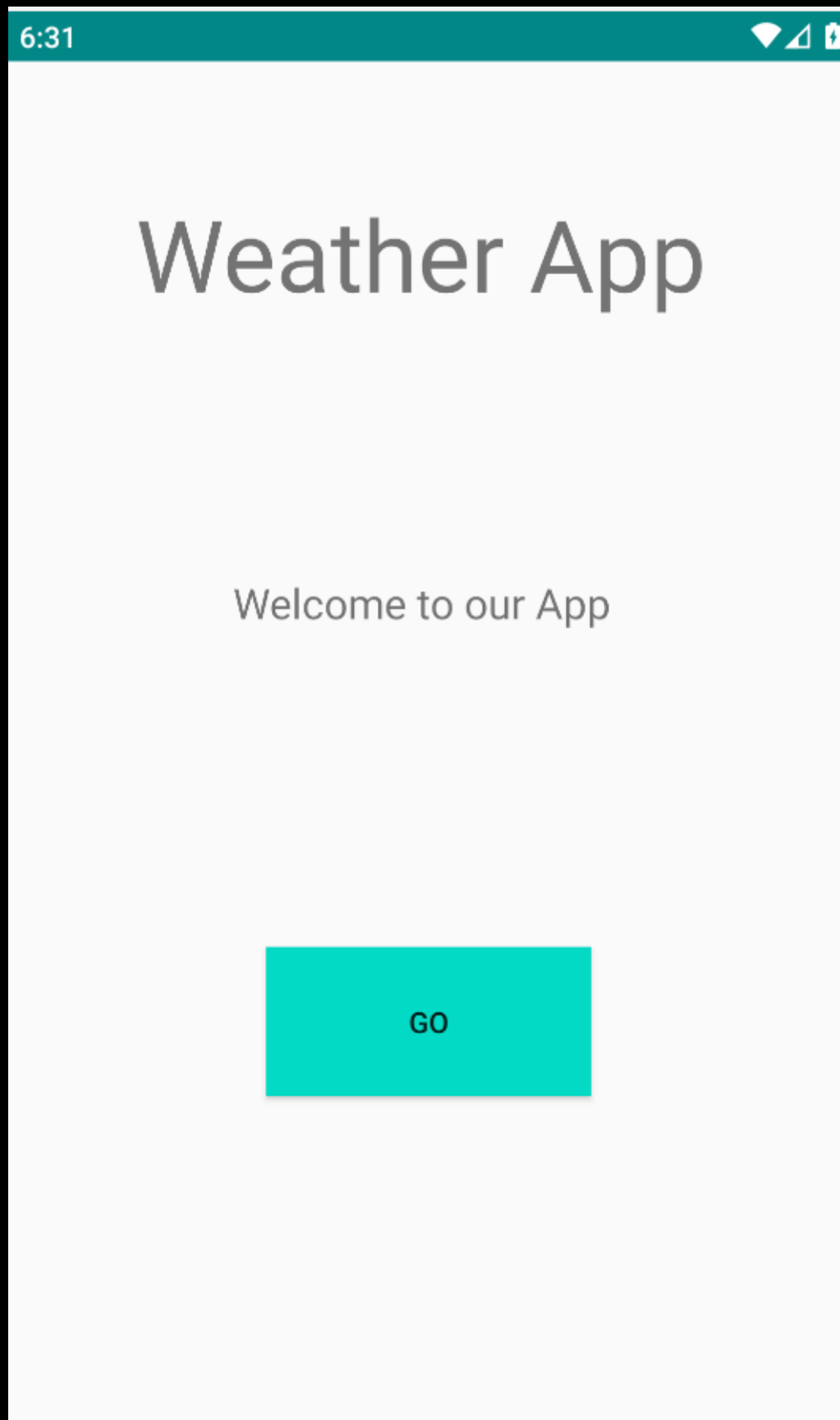
- 01 **Presentation**
Context of the project
- 02 **Technological choice**
The main tools
- 03 **Points of intention on technical choices**
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- 04 **Demonstration**
Demonstration of our application.



Presentation



Mobile application on Android for “weather” oriented “extreme” events, the application raises alerts on weather conditions that the user can determine in his preferences



6:37


Hawai

SEARCH

Humidity

70

NEXT

overcast clouds

25.13°C Hawaii

Min°: 22.95

Max°: 26.65

Pressure: 1018.0Pa

Humidity: 77.0

Speed: 1.95

6:38

Hawai

SEARCH


Humidity

70

Notification Scheduled

Title: Hawaii
Message: Too Humid

OKAY

overcast clouds

25.13°C Hawaii

Min°: 22.95

Max°: 26.65


Pressure: 1018.0Pa


Humidity: 77.0


Speed: 1.95


6:39


Sat, Mar 18














Humidity


Notifications

WeatherApp2 • now

Notification
WeatherApp

History

Clear all

overcast clouds

25.13°C Hawaii

Min°: 22.95

Max°: 26.65

Pressure: 1018.0Pa

Humidity: 77.0

Speed: 1.95

Technological choice

Android Studio provides first-class support for Kotlin. It even has built-in tools to help you convert Java-based code to Kotlin. The Show Kotlin Bytecode tool lets you to see the equivalent Java-based code as you learn Kotlin.



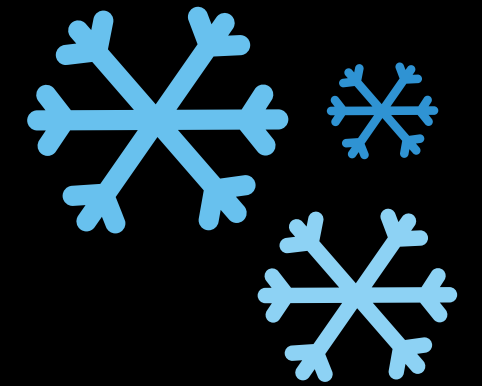


Android Studio is a development environment for developing Android mobile applications.

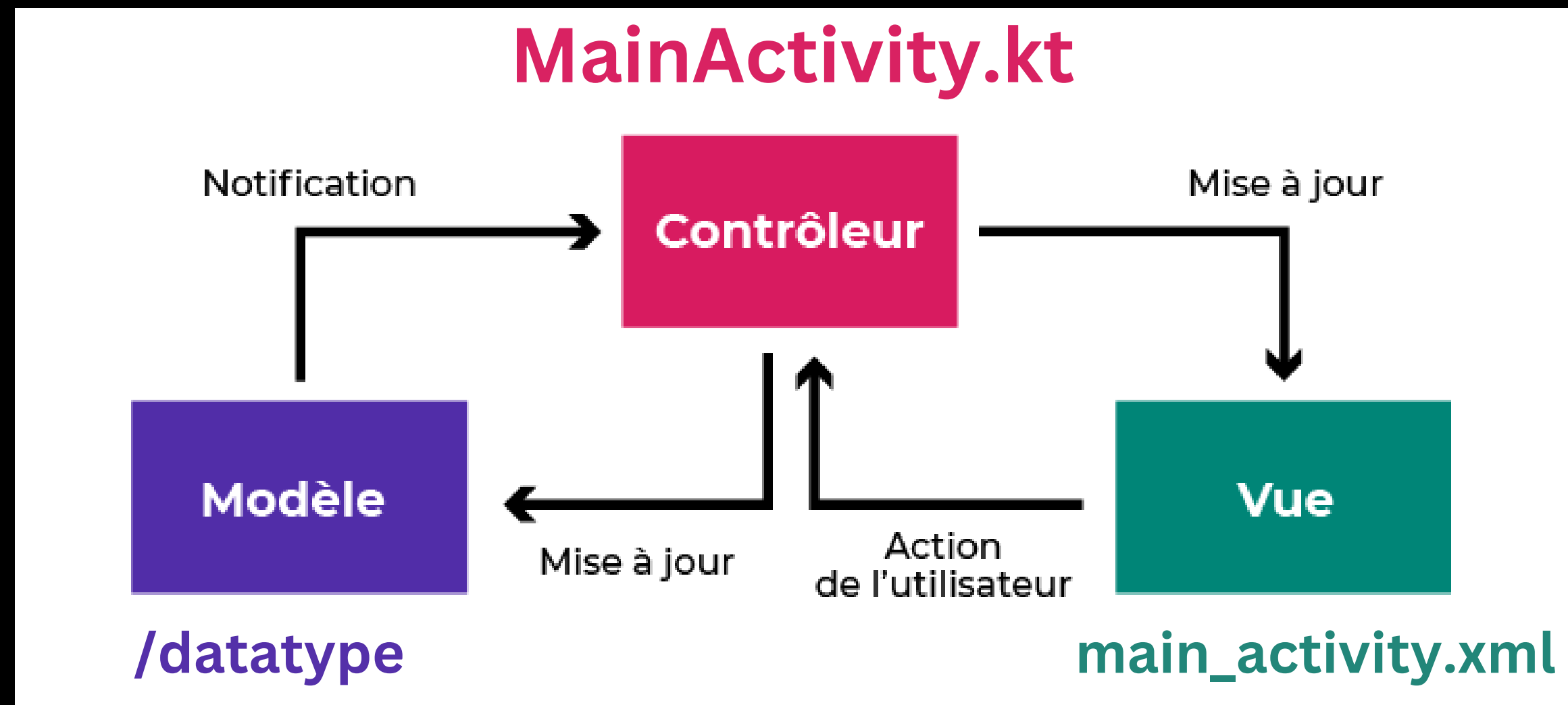
Genymotion is an Android emulator online or to install on our computer.



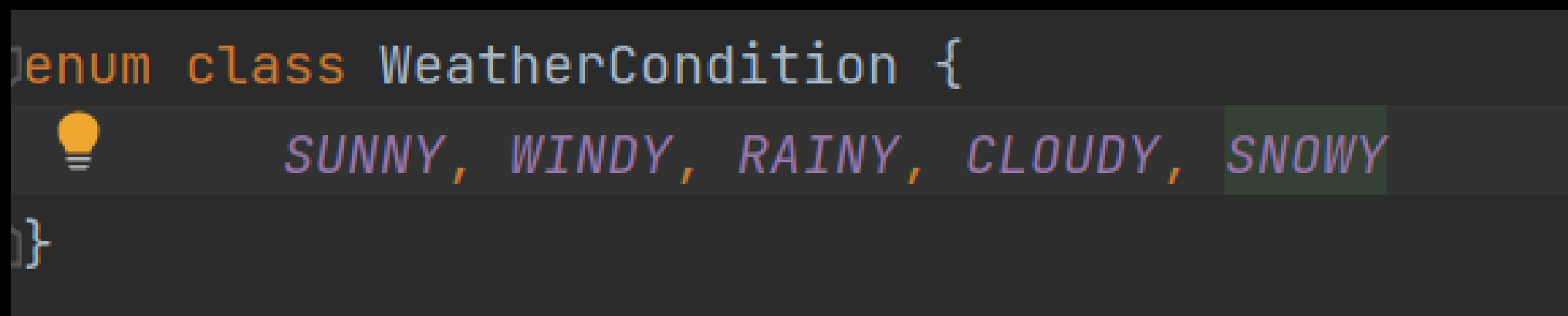
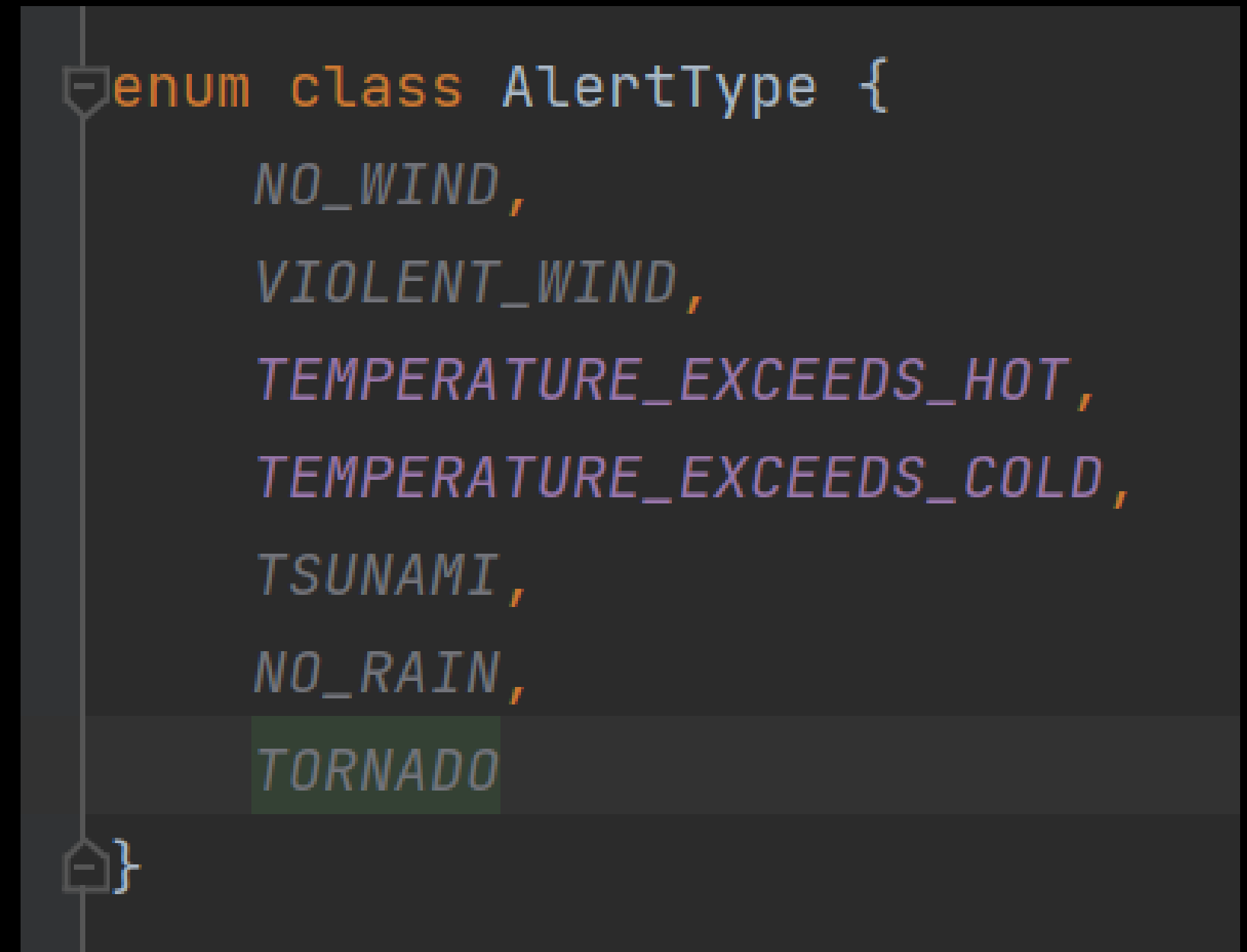
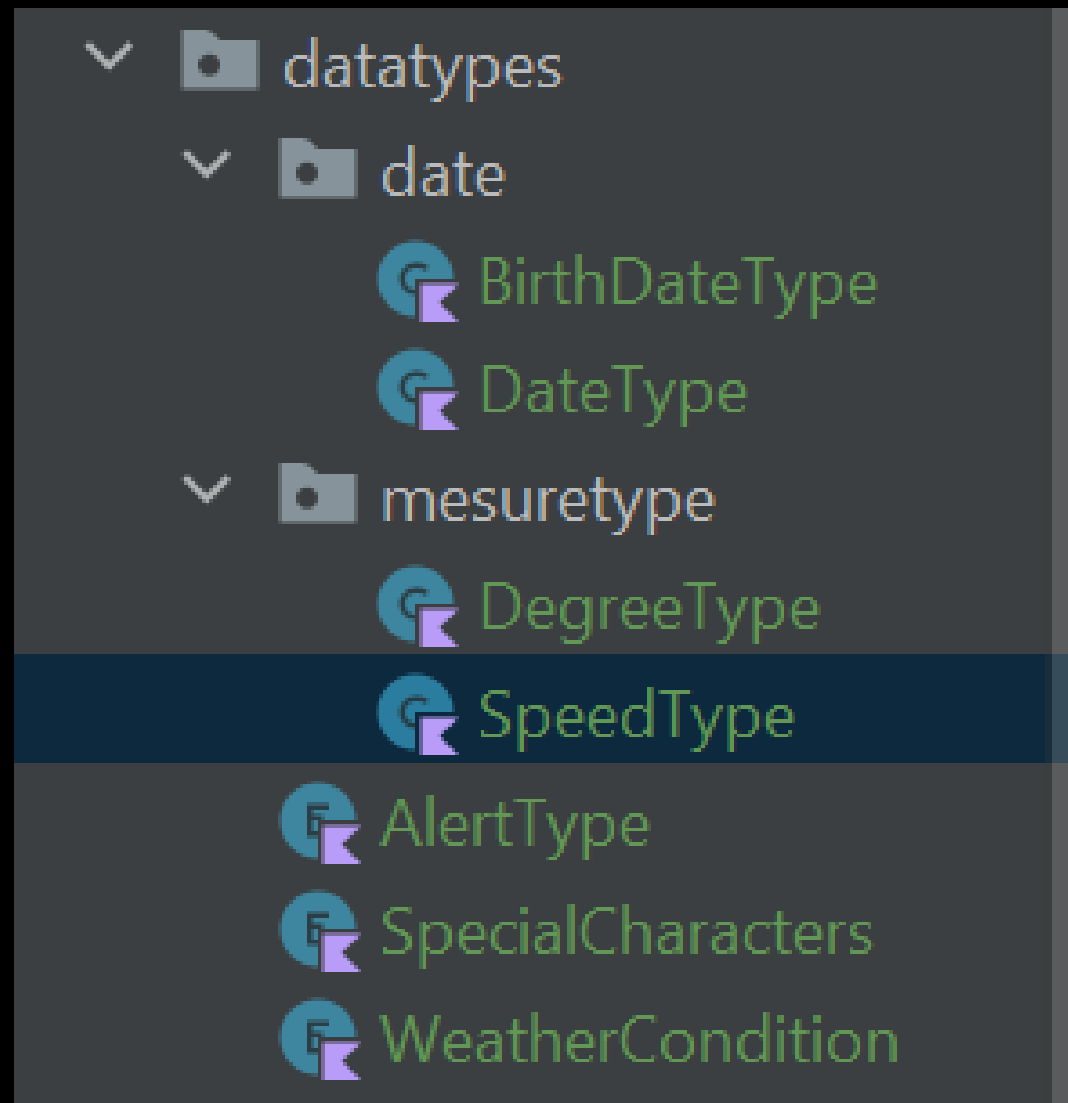
OpenWeatherMap is an online service, owned by OpenWeather Ltd, which provides global weather data via an API



Technical choice



MVC



Code example:
datatype



```
interface WeatherService {  
  
    companion object {  
        const val API_KEY = "ae1e7459a245c23524f4c3ae7feb7d30"  
        const val BASE_URL = "https://api.openweathermap.org/data/2.5/weather/"  
    }  
  
    @GET("?units=metric&appid=$API_KEY")  
    fun getWeatherByCity(@Query("q") city: String): Call<WeatherResult>  
}
```

Code example:
Interface



Demonstration

Conclusion

