1. Spike – test apis
2. Activity or fragment -> activity, recent location page not freq visit, and no much interactions with main page.

greenDao vs room vs others

<https://www.ctolib.com/EdisonLiao-DBDemo.html>

| **操作(单位：ms)** | **greenDao** | **Room** | **liteOrm** |
| --- | --- | --- | --- |
| insertAll | 1651.2 | 1603.8 | 1876.2 |
| selectAll | 874 | 1287.4 | 1475.5 |
| deledtAll | 669.8 | 49.5 | 53.8 |

Rx vs coroutine

**fun** go() {  
 **disposables**.add(  
 **weatherRepository**.getLastLocationRecord().flatMap **{** data **->** (data.**cityId**?.*let* **{** cityId **->  
 weatherRepository**.queryWeatherById(cityId)  
 **}** ?: **weatherRepository**.queryWeatherByCoordinate(data.**latitude**, data.**longitude**))  
 **}**.flatMap **{** newData **->  
 if** (newData.**cityId** != **null**) {  
 **weatherRepository**.getLocationRecordByCityId(newData.cityId)  
 } **else** {  
 **weatherRepository**.getLocationRecordByLocation(newData.**latitude**, newData.**longitude**)  
 }.doOnNext **{** GlobalScope.*launch*(*Main*) **{ currentWeather**.*value* = **it }  
 }**.switchMap **{** dataInHistory **->** dataInHistory?.*let* **{  
 weatherRepository**.updateLocationRecord(newData.*apply* **{ id** = dataInHistory.**id }**)  
 **}** ?: **weatherRepository**.insertLocationRecord(newData)  
 **}  
 }**.subscribeOn(Schedulers.io())  
 .observeOn(AndroidSchedulers.mainThread())  
 .subscribe(**{  
 logger**.d(**TAG**, **"queryWeatherById success."**)  
 **}**, **{  
 logger**.w(**TAG**, **"queryWeatherById onError: ${it**.*localizedMessage***}"**)  
 **}**)  
 )  
}

retrofit with coroutines?

2.6 above!

<https://proandroiddev.com/suspend-what-youre-doing-retrofit-has-now-coroutines-support-c65bd09ba067>

apikey?

<https://medium.com/hacktive-devs/making-network-calls-on-android-with-retrofit-kotlins-coroutines-72fd2594184b>

|  |
| --- |
| private val interceptor = Interceptor { chain -> |
|  | val url = chain.request().url().newBuilder().addQueryParameter("apiKey", API\_KEY).build() |
|  | val request = chain.request() |
|  | .newBuilder() |
|  | .url(url) |
|  | .build() |
|  | chain.proceed(request) |
|  | } |

<https://github.com/Eli-Fox/LEGO-Catalog>

vs mockito1, 2, mock

mock not much doc on the web

<https://developer.android.com/jetpack/androidx/releases/room>

Version 2.2.0-alpha01

July 10, 2019

**New Features**

* **Pre-packaged Database**: