UNION COOP

Dubai, United Arab Emirates

Objective

The goal of this task is to build a simple Android App to hit the NY Times Most Popular Articles API and show a list of articles. The design and business specifications have been providing below. We expect you to follow it as closely as possible.

We have deliberately kept the app. Simple enough for you to attempt it, but we are keen to see. The approach you take to solve it.

You have the freedom to give your best into it and demonstrate your skills for us to evaluate you better.

Requirements

- The app should preferably support minimum Android API level 21.
- The app should fetch the data from provided API and display it to the users.
- While the data is being fetched, the app should show a loading state.
- If the app is not able to fetch the data, then it should show an error state to the user with an option to retry again.
- The app should give a pull-to-refresh option to the user to force fetch data from remote.

Acceptance Criteria

Your assignment can be rejected if –

- It doesn't follow clean architecture.
- It doesn't follow SRP in the architecture (it should be extensible, maintainable and testable)

Your assignment has more chances of being accepted if -

- It follows latest architecture pattern.
- Highly prefer you to use Coroutine.
- Highly prefer you to use Constraint Layout (single parent UI design guideline)
- Follows reactive paradigm (Rx, Live Data)
- Has proper abstraction for Dependency Injection using Dagger Hilt
- Network Layer - Use Retrofit - (recommended)

API Details

http://api.nytimes.com/svc/mostpopular/v2/mostviewed/{section}/{period}.json?api- key=sample-key

To test this API, you can use all-sections for the section path component in the URL above and 7 for period (available period values are 1, 7 and 30, which represents how far back, in days, the API returns results for).

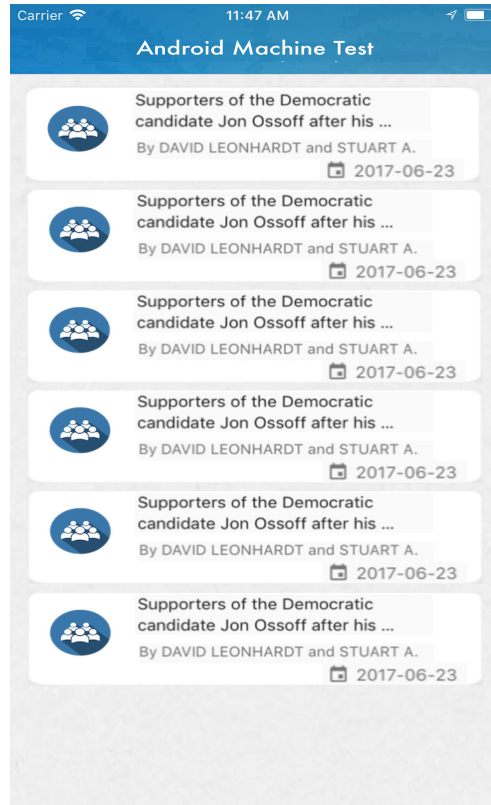## *BASE URL: -* http://api.nytimes.com/svc/mostpopular/v2/mostviewed/all-sections/7.json?api-key=sample-key

sample-key -- kjWL3IMsOTCUgfZWnsq9HJix6bGqMjGS

- o Method : GET

Header Parameter: -

App-ID	:	c5555ca5-304f-4f7a-918f-bc6963b55c5e
Password.	:	51Kjxaeudnnadb060520190ADMIN3360520190345@ucs.ae
Content-Type	:	application/json
Lang	:	en
DeviceType	:	IOS/Android

Screen Design

Follow up Discussion

After completing the exercise please be ready for 15 minutes' to discuss on your code, assumptions and rationale for your implementation.

GOOD LUCK