

# Android Test Paper

## Description:

Create an app that displays List of Users. Every time, app opens it should show the old data from previous session, meanwhile it should fetch new users list in background, then update the current list with new one. The app should be usable even if app is not connected to the internet.

Url: <https://randomuser.me/api/?results=100>

## Strategy:

- If internet is available:
  - Display list from local
  - Fetch list of Users from remote
  - Replace list in local with the new list from remote
- If no internet is available:
  - Display list from local
- Design the screen for user details with collapsing image of user.
- Write the unit test case for API call.

Duration: 2 hours

## Bonus points:

- MVVM / MVP / MVI architecture
- AndroidX
- Kotlin coroutine / Rx / RxAndroid
- LiveData and ViewModel
- Any dependency injection component
- Room
- Retrofit
- Glide