Coding Challenge

This challenge is intended to assess your coding capabilities and platform specific knowledge.

Submission Deadline: 3 days from now

How to Submit: The source code should be accessible via a git repository. Git repo, should have correct progress and commits.

The Challenge

Create an Android app called 'Countries' which will enable user to search countries based on country name and see some details of countries. Please find below the requirements of the app.

Online Search: This will be landing screen of the application. This screen will be empty initially, data will be shown only when user starts search. There should be a search box on top, User should be able to search with country name (Use the API provided in Reference section), for each character entered in the search box the search result should refresh. The search result should be displayed as a list, each row in the list will contain the country flag and country name. The flag image should be loaded lazily. On selecting an item in the list, the details of the country should be shown.

Country Details: This screen will display the details of the country selected. This screen will have country flag, country name, capital, calling code, region, sub region, time zone, currencies and languages.

Reference

Use the following API to get the list of countries
https://restcountries.eu/rest/v2/name/{name}

For eg.
https://restcountries.eu/rest/v2/name/India

You can find more details of API in the following URL
https://restcountries.eu/

Feel free to use any number of third-party libraries if necessary

Design the UI as you feel the best. Try to use
Google Architecture components (https://developer.android.com/topic/libraries/architecture)

Hint

Concentrate on Rich UI, Architecture, Design Pattern, Best Coding Practices and Unit Test
UT coverage should be more than 75%