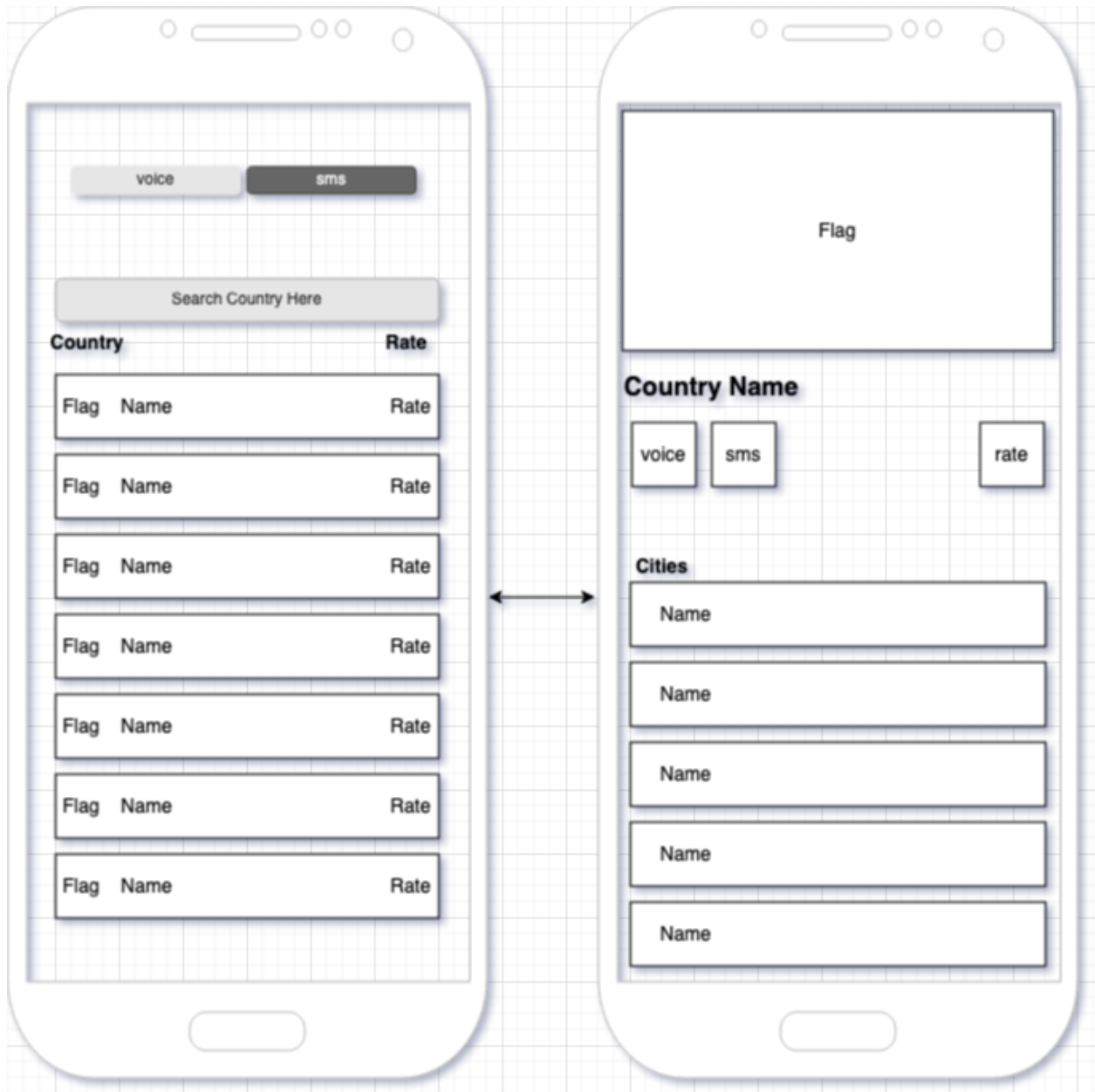# Android Internship Demo Task

This will be a simple task to make a network request to receive country data and populate views with the data.

Instructions:
1. Create an android project that follows MVVM architecture. Integrate Retrofit, Coroutine, Room, and any other libraries that you may need.

2. If the network is available, make a network request through Retrofit and parse the response properly and extract the necessary information. Store the information in the Room database for working in offline mode.
3. If the network is not available, fetch data from the Room database.
4. Show the list of countries in a ListView or RecyclerView. (*Which view did you choose to show the list data and why?*)
5. Filter the list data according to the search text and update the list of country view.
6. When you parse the JSON data, you will see some country support voice, some support SMS and some support both. Filter the list data and update the ListView or RecyclerView when the 'Voice' or 'SMS' tab is selected at the top of the page.
7. When any country is clicked, navigate to a new page with that country's details. For multi-page applications, use Android Navgraph.
   Show below details on the 2nd page.
      a. country image,
      b. name,
      c. a voice material icon (if this country supports voice),
      d. an SMS material icon (if this country supports SMS),
      e. Rate text,
      f. List of cities of this country (if this country data has city list).

8. When the user presses the back button, you should navigate back to the 1st page.
9. You may beautify the GUI as you like and surprise us!

Network Request Information:
   https://devapi.x2meeting.com/api/phoring-json
   Request type: GET
   Request headers:
         x-access-token: phoring-header-token

Study Materials:
   1. Coroutine:
      https://blog.mindorks.com/mastering-kotlin-coroutines-in-android-step-by-step-guide
   2. MVVM:
      https://blog.mindorks.com/mvvm-architecture-android-tutorial-for-beginners-step-by-step-guide
   3. Retrofit with Coroutine:
      https://blog.mindorks.com/using-retrofit-with-kotlin-coroutines-in-android
   4. Room with Coroutine:
      https://blog.mindorks.com/room-database-with-kotlin-coroutines-in-android
   5. Android Navgraph:
      https://developer.android.com/guide/navigation/navigation-getting-started