

Take home code challenge

Earthquakes

Please write a new Android/iOS application that will do the following:

Basic functionality:

1. Read JSON data from an earthquakes API
<https://earthquake.usgs.gov/fdsnws/event/1/query?format=geojson&starttime=2023-01-01&endtime=2024-01-01&minmagnitude=7>
 - a. [Example data](#)
2. Populate a list of earthquake items within the main Activity(Android) or View Controller(iOS) in a list fashion of your choice (e.g. RecyclerView for Android)
3. Pick 2-3 identifying attributes from each earthquake to display.
4. If the magnitude of the quake is equal or greater than 7.5, then distinguish that visually from other earthquakes on the list.
5. Tapping an earthquake in the list should open a secondary screen with the location depicted on a map.

Requirements:

- This should be an example of production quality code and represent your view of a high quality deliverable.
 - Comments will help us understand your decisions.
- Use modern Android/iOS development patterns: MVVM recommended
- Write code in Kotlin(Android) or Swift(iOS)
- Include Unit Tests
- No Xibs/Storyboards, create UI Programmatically
 - Keep the UI simple!
- ~~No third party frameworks~~