

Coding Challenge

GOAL: Verify candidate can provide a technical solution and follow instructions.

REQUIREMENTS:

These requirements are rather high-level and vague. If details are omitted, it is because we will be happy with any of a wide variety of solutions. Don't worry about finding "the" solution.

- Read about the following MetaWeather API here <https://www.metaweather.com/api/>
- Obtain the device's GPS coordinates, if available, and pass them to the service.
([https://www.metaweather.com/api/location/search/?lattlong=\(latt\),\(long\)](https://www.metaweather.com/api/location/search/?lattlong=(latt),(long)))
- If coordinates are not available, pass user entered keyword/location name
([https://www.metaweather.com/api/location/search/?query=\(query\)](https://www.metaweather.com/api/location/search/?query=(query)))
- Presently store all the search keywords/location with a time stamp so that when the user can see search history in the future
- In a list, display each location id, title and type
- On selecting a location from the list, open another page which would show weather details for next 5 days
([https://www.metaweather.com/api/location/\(woeid\)](https://www.metaweather.com/api/location/(woeid)))

In order to prevent you from running down rabbit holes that are less important to us, try to prioritize the following:

What is Important

- Proper function – requirements met.
- Well-constructed, easy-to-follow, commented code (especially comment hacks or workarounds made in the interest of expediency (i.e. // given more time I would prefer to wrap this in a blah blah blah pattern blah blah)).
- Proper separation of concerns and best-practice coding patterns.
- Defensive code that graciously handles unexpected edge cases.

What is Less Important

- UI design – generally, design is handled by a dedicated team in our group.
- Demonstrating technologies or techniques you are not already familiar with.

Bonus Points!

- Unit Tests
- Additional functionality – whatever you see fit.

iOS:

- Be sure to use safe area insets
- Make sure your app is compatible with iPad

Android:

- Make sure you are correctly handing any necessary permissions.
- Please make sure you are using Java. If you want to demonstrate the use of Kotlin, we'd rather you use a combination of both.

As mentioned, you are not expected to function in a vacuum. Use all the online resources you can find, and please do contact us with questions or for interim feedback if you desire.