**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.

1. Create a native-app based application to serve as a basic SpaceX information provider.
    a. Space X API: https://github.com/r-spacex/SpaceX-API
2. Information display screen:
    a. Query the SpaceX API, specifically look for Upcoming Launches. https://github.com/r-spacex/SpaceX-API/wiki/Upcoming-Launches
    b. API response data should be nicely presented on a Screen.
    c. Provide App User the ability to filter on **YEAR** and **DATE RANGE**.

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 XYZ pattern, etc.*)).
- 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 (for example, if you aren't comfortable building a single-page app, please don't feel you need to learn how for this).

**BONUS POINTS:**

- Unit Tests
- Good design (I know I said it was less important, but what I mean is I don't want a beautiful, poorly constructed app).
- Additional functionality – whatever you see fit.

**iOS:**

- For applications that include CocoaPods with their project code, having the Pods included in the code commits as source is recommended. (Even though it goes against the CocoaPods general rules).
- Be sure to use safe area insets
- Make sure your app is compatible with iPhone X

**ANDROID:**

- Make sure you are correctly handing any necessary permissions.
- Please make sure you are using Java and not use Kotlin.

**HOW TO SHARE:**

- Post code challenge solution to Github/GitLab or provide a compressed archive file of solution via Email.

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.