Coding Challenge: NYC Schools

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. Feel free to be creative with the requirements. Your goal is to impress (but do so with clean code).

Create a native app to provide information on NYC High schools.

1. Display a list of NYC High Schools.
    1. Get your data here: https://data.cityofnewyork.us/Education/DOE-High-School-Directory-2017/s3k6-pzi2
2. Selecting a school should show additional information about the school
    1. Display all the SAT scores - include Math, Reading and Writing.
        1. SAT data here: https://data.cityofnewyork.us/Education/SAT-Results/f9bf-2cp4
        2. It is up to you to decide what additional information to display

When creating a name for your project, please use the following naming convention:

YYYYMMDD-[First&LastName]-NYCSchools ***(****Example: 20180101-DanielleBordner-NYCSchools)*

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.
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What is Less Important

- Demonstrating technologies or techniques you are not already familiar with.

Bonus Points!

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

iOS:

- "For applications that include CocoaPods with their project code, please commit the third-party frameworks to your repository (Even though this goes against the CocoaPods general rules)." OR don't use any third-party dependency if possible, that will allow app to build and run standalone.
- Be sure to use safe area insets.
- Make sure your app is compatible with iPhone X.
- Use Swift as the primary language. Combination of Swift and Objective would be good to show case your skills in both languages

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.
- Use Java as the primary language. You can show case your skills in Kotlin if you would like to.

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.