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 browser based or native app to provide information on NYC High schools.

• Display a list of NYC High Schools.

• Get your data here: https://data.cityofnewyork.us/Education/DOE-High-School-Directory-2017/s3k6-pzi2

• Selecting a school should show additional information about the school

• Display all the SAT scores - include Math, Reading and Writing.

• SAT data here: https://data.cityofnewyork.us/Education/SAT-Results/f9bf-2cp4

• 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.

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, 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. 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.