

# JPMC – iOS Coding Challenge: NYC Schools

Updated: 1/31/2022

## REQUIREMENTS:

The app 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 functional solutions. Feel free to be creative and impress with code and UX (see more details down). You are allowed to use all the online resources you can find and use any 3<sup>rd</sup> party library if desired. Remember to make it useful for an actual user/student.

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

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

## What is Important

- Meet the basic App requirements.
- The App should work like it would do in production – error handling, edge conditions, stability and speed is important.
- 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 architecture with of separation of concerns and best-practice coding patterns.
- Modern asynchronous programming techniques.
- Use Swift as the primary language. Combination of Swift and Objective would be good to show case your skills in both languages
- Be sure your app is compatible with iPhone X.

## What is Less Important

- Demonstrating technologies or techniques you are not already familiar with.
- Only add code which you want us to read and judge you.

## Bonus Points!

- Good use of UX and UI
- Samples of Unit Testing
- Additional functionality – whatever you see fit.

## How to Submit:

- Submit your code via [Gitlab.com](https://gitlab.com). Feel free to use your current account or create a free account.
- When creating a name for your project, please use the following naming convention:
  - **YYYYMMDD-[First&LastName]-NYCSchools** (*Example: 20180101-DanielleBordner-NYCSchools*)
- Make the project public and send the link back to the person that sent you the test.
- Please do contact us with questions or for interim feedback if you desire