

QUICK DESCRIPTION OF WEATHER CODE TEST:

The goal here is you are going to create an Android project that showcases the weather from this API: <https://openweathermap.org/appid> and changes pictures depending on the weather ranges.

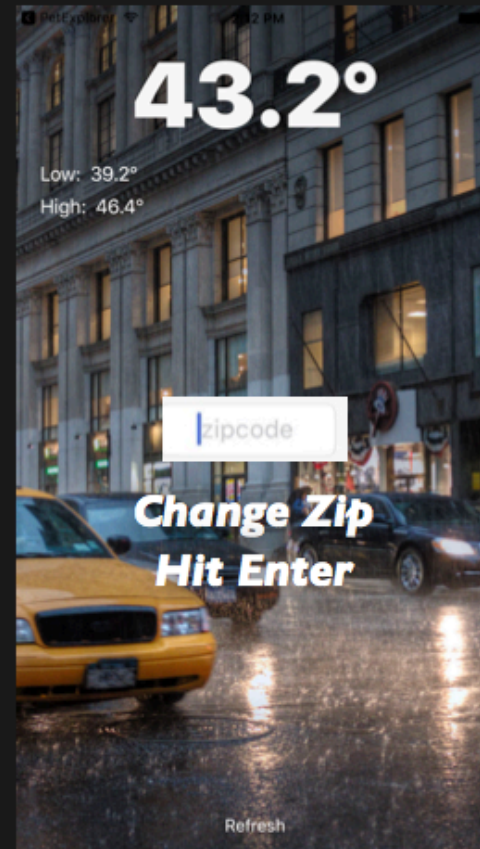
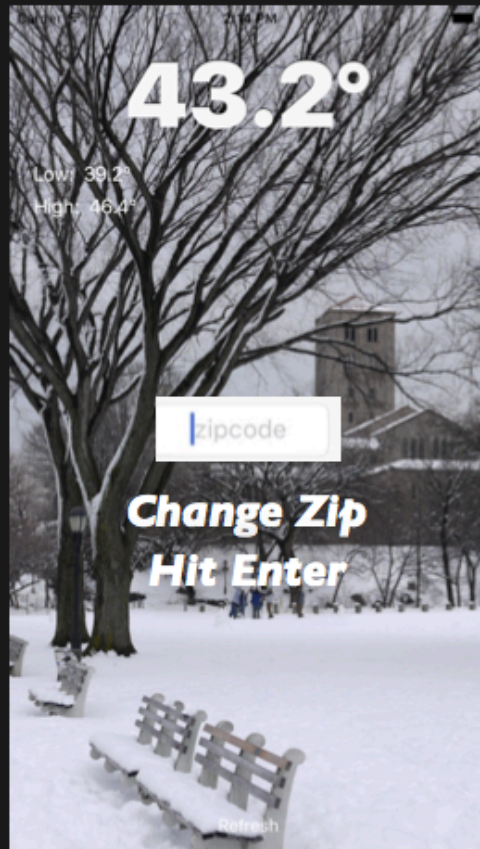
So the snow picture will correlate to temperatures in areas where it is snowing.

You will also parse from JSON and show a high and low temperature for that specific area.

As a bonus if you add the ability to input the zip code and have the weather change based on that Zip Code that would be great.



WEATHER APP



WHAT WE'LL BUILD

- *A single view application that uses the OpenWeatherMap API to fetch and display weather data for a given location.*
- *The application will display the current temperature as well as high and lows for the day.*
- *There will be a button to refresh the display by fetching the latest weather data.*



TEST OBJECTIVES

- *Understanding basic networking technologies in Android*
- *Using an API, specifically a web endpoint that will return JSON*
- *Understanding what JSON is and how to parse it so we can use the data we receive after requests complete.*
- *Swift typecasting and optional unwrapping... (we will have to do this a lot when parsing JSON).*
- *Basics of asynchronous programming.*

