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Program 2

# Program Design

This program contains 3 main .cs extensions that represent the program. These three extensions include Program.cs, WeatherAPI, and YelpAPI. WeatherAPI.cs and YelpAPI.cs contain the classes that help decrypt the string we get from the API calls in Program.cs. While Program.cs is the main extension that contains the main methods, printing methods and the API call methods.

The first API call used for the project was the required OpenWeatherApp api call which returns details about the weather a city. In the Program.cs file we make sure to enter the key and the necessary keywords for the URL to make the call. In addition to this, we include code to deal with errors in making the calls where we do the retry to the call for a certain number of tries.

For the second API call we use the same process as the first one, except that here we make a call to the Yelp website that helps provide businesses of a certain location. For this program, we made sure that we only return the highest rated business/location for the city we want. This includes sending details back as the address of the location, a url to the Yelp review page and also the name of the location just to name a few.

## MakeFile Instruction

**Visual Studio (If running on the IDE)**

* Open the solution file *Program2.sln*
* To run the program, go to the Run button and click on the *Program2 Debug Properties.*
* In the Launch Category, choose the *Executable Option*
* In the Application Arguments, enter your city of choice and then run the program

**Command Line Prompt**

* Have the Command Prompt Application open and enter the directory where the project folder is located
  + Example: C:\Users\josea\OneDrive\Escritorio\RESTProgram2\Program2\Program2\bin\Debug\netcoreapp3.1>
* Once in the directory, enter the command
  + **cmd /K “Program2.exe” city**