

iasse.com .Net Developer Technical Test

Congratulations on being selected to complete the iasse.com .Net Developer Technical Test. We've introduced this test to assess your knowledge and capabilities in writing and applying code into a practical and every day business problem. We estimate the time required to complete this test is from 2-4 hours.

There is no time limit on this test but it would be in your best interest to complete the test as soon as possible so that you can progress to the next stage.

Task

Create an MVC/Web API project that will consume the weather web service defined below:

<http://www.websvcx.net/globalweather.asmx?WSDL>

The User Interface should consist of two input fields:

- Country
- List of cities for given country

When the user enters a country the program should query the web service API

<http://www.websvcx.net/globalweather.asmx?op=GetCitiesByCountry> which will then populate the cities drop down list.

Once the user selects a relevant city then this will query the web service API

<http://www.websvcx.net/globalweather.asmx?op=GetWeather> which will then display the following information in read only format:

- Location
- Time
- Wind
- Visibility
- Sky conditions
- Temperature
- Dew Point
- Relative Humidity
- Pressure

Please note if the above service didn't return any data use the alternative web service (for example for London):

<http://api.openweathermap.org/data/2.5/weather?q=London>

Project Instructions

1. Application should be written in either Visual Studio 2015 using C#
2. Please target the .Net 4.5 framework
3. Must use ASP.Net MVC / Web API
4. You are free to use plain javascript, JQuery or a Javascript Framework of your choice to get the task done in the UI but using AngularJS is a bonus
5. Create a project to address the problem above
6. Create unit tests for the solution

Notes

Comprehensive input validation is not required, but if the program does encounter an error it should display the error message to the user.

Code should be commented sparingly. The emphasis should be on readability. If a brief comment will help then use one otherwise let the code document itself.

Bonus Points

The base level is that the program must compile, be functional and interact with the given web service. It's not required but you will peak our interest if you make it pretty.

Package Instructions

Prior to zipping up the solution please delete both the obj and bin folders. Once you have zipped the solution into one file then please email to peter@matrix-it.com.au with the subject heading:

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