**Web.config**

<add key="cURL" value="http://api.apixu.com/v1/forecast.json"/>

<add key="cConsumerKey" value="4e4b6743e4b84cd1b91114157192506"/>

**Controller class**

//WeatherController.cs

using DoT.WebApi.Dmz.Models;

using System;

using System.Collections.Generic;

using System.IO;

using System.Linq;

using System.Net;

using System.Net.Http;

using System.Security.Cryptography;

using System.Text;

using System.Web.Configuration;

using System.Web.Http;

namespace DoT.WebApi.Dmz.Controllers

{

public class WeatherController : ApiController

{

private static readonly log4net.ILog log = log4net.LogManager.GetLogger(System.Reflection.MethodBase.GetCurrentMethod().DeclaringType);

DataPacket obj;

public static string GetValue(string Key)

{

return WebConfigurationManager.AppSettings[Key];

}

[Authorize]

[HttpPost]

[Route("WeatherController/PostWeather")]

public DataPacket PostWeather(WeatherModel wObj)

{

string cURL = GetValue("cURL");

string key = GetValue("cConsumerKey");

string url = cURL + "?key=" + key + "&q=" + wObj.Ulocation + "&days=10";

using (var client = new WebClient())

{

string responseText = string.Empty;

try

{

string headerString = key;

WebClient webClient = new WebClient();

webClient.Headers[HttpRequestHeader.ContentType] = "application/json";

webClient.Headers[HttpRequestHeader.Authorization] = headerString;

byte[] reponse = webClient.DownloadData(url);

string lOut = Encoding.ASCII.GetString(reponse);

//return lOut;

obj = new DataPacket();

obj.Data.Add("Weather Response", lOut);

obj.Status = true;

obj.errorMessage = "";

log.Debug("Executed!");

return obj;

}

catch (Exception exception)

{

obj.Status = false;

obj.errorMessage = exception.Message;

obj = null;

log.Error(exception.Message);

return obj;

}

}

}

}

}

**Weather.cs**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

namespace DoT.WebApi.Dmz.Models

{

public class WeatherModel

{

public string Ulocation { get; set; }

}

}