



Jadara University

Faculty of Science and Information Technology

Department of Computer Science and Software Engineering

Weather

By

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The work

- I downloaded Wep Api Client
- I got a link from the site Weather Api
- Then I used the API link and put it in the project

```
Url = "http://api.weatherapi.com/v1/current.json?key=e7a34422478a4ed7a25200215210909&q=" + item2 + "&aqi=no";  
var client = new WebClient();  
var content = client.DownloadString(Url); // as string inside json  
JordanWeather record = JsonConvert.DeserializeObject<JordanWeather>(content); // JSON.Net
```

- Then I called the project link and returned the values
As String

```
string Url;  
  
List<string> CititsofJordan = new List<string>()  
{  
    "Amman", "Irbid", "Madaba", "Jerash", "Mafraq", "Zarqa", "Ramtha", "al-Karak", "Aqaba"  
};
```

- I created an obj from Json

```
JObject json = new JObject();
```

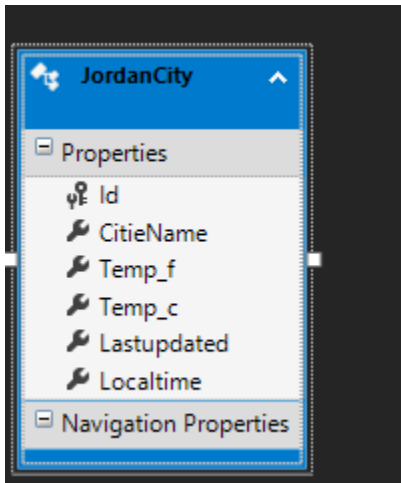
- Then I convert a String to Json and worked with Json

- Then I converted a string to Json and it worked with Json
- Then I parse Json and take two values
 1. current
 2. Location

```
public class JordanWeather
{
    3 references
    public Dictionary<string, object> location { get; set; }

    5 references
    public Dictionary<string, object> current { get; set; }
}
```

- Then I took the values I wanted in the Database



```
if (Check == null)
{
    jordan.Temp_c = (double)record.current["temp_c"];
    jordan.Temp_f = (double)record.current["temp_f"];
    jordan.CitieName = (string)record.location["name"];
    jordan.Lastupdated = DateTime.Parse((string)record.current["last_updated"]);
    jordan.Localtime = DateTime.Parse((string)record.location["localtime"]);
    db.JordanCities.Add(jordan);
    db.SaveChanges();
}
```

https://localhost:44335 x +

localhost:44335

Apps Payroll Managemen... payroll system data... BIGSaM Wasi... واسي... ASP.NET Core Auth... Tables - Bootstrap How to Upload You... Confirm your accou... Reading list

Saturday, September 11, 2021

Name: Aqaba LastUp: 9/11/2021 2:30:00 PM Temperture: 30.3	Name: Zarqa LastUp: 9/11/2021 2:30:00 PM Temperture: 26	Name: Madaba LastUp: 9/11/2021 2:30:00 PM Temperture: 26
Name: Al Manshiyah LastUp: 9/11/2021 2:30:00 PM Temperture: 23.7	Name: Mafraq LastUp: 9/11/2021 2:30:00 PM Temperture: 28.6	Name: Irbid LastUp: 9/11/2021 2:30:00 PM Temperture: 29.9

Type here to search

27°C 2:39 PM 9/11/2021

https://localhost:44335 x +

localhost:44335

Apps Payroll Managemen... payroll system data... BIGSaM Wasi... واسي... ASP.NET Core Auth... Tables - Bootstrap How to Upload You... Confirm your accou... Reading list

Name: Al Manshiyah LastUp: 9/11/2021 2:30:00 PM Temperture: 23.7	Name: Mafraq LastUp: 9/11/2021 2:30:00 PM Temperture: 28.6	Name: Irbid LastUp: 9/11/2021 2:30:00 PM Temperture: 29.9
Name: Ramtha LastUp: 9/11/2021 2:30:00 PM Temperture: 29	Name: Jerash LastUp: 9/11/2021 2:30:00 PM Temperture: 26	Name: Amman LastUp: 9/11/2021 2:30:00 PM Temperture: 26

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Type here to search

27°C Mostly cloudy 2:42 PM 9/11/2021

Postman

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GET http://api.weatherapi.com/v1/current.json?key=e7a34422478a4ed7a25200215210909&q=Irbid&aqi=no

Send

Params Authorization Headers (8) Body Pre-request Script Tests Settings Cookies

KEY	VALUE	DESCRIPTION	Bulk Edit
<input checked="" type="checkbox"/> key	e7a34422478a4ed7a25200215210909		
<input checked="" type="checkbox"/> q	Irbid		
<input checked="" type="checkbox"/> aqi	no --		
Key	Value	Description	

Body Cookies Headers (19) Test Results Status: 200 OK Time: 289 ms Size: 1.19 KB Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "location": {
3     "name": "Irbid",
4     "region": "Irbid",
5     "country": "Jordan",
6     "lat": 32.56,
7     "lon": 35.85,
8     "tz_id": "Asia/Amman",
9     "localtime_epoch": 1631360653,
10    "localtime": "2021-09-11 14:44"
11  }
```

Postman

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Key	Value	Description	

Body Cookies Headers (19) Test Results Status: 200 OK Time: 289 ms Size: 1.19 KB Save Response

Pretty Raw Preview Visualize JSON

```
11 },
12 "current": {
13   "last_updated_epoch": 1631359000,
14   "last_updated": "2021-09-11 14:30",
15   "temp_c": 29.9,
16   "temp_f": 85.8,
17   "is_day": 1,
18   "condition": {
19     "text": "Partly cloudy",
20     "icon": "http://cdn.weatherapi.com/weather/64x64/day/116.png",
```