

CS352: Software Engineering II
Assignment 1 (2.5-3 marks) – Version 1.0 – 28 Feb.



**FACULTY OF COMPUTERS AND INFORMATION,
CAIRO UNIVERSITY**

CS352: Software Engineering II
Year 2017-2018
Second Semester

Assignment 1 – Version 1.0

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With the Name of Allah the Merciful

We have been working on a Weather API (That's to know weather forecast details about some country). The idea in general is that we call the Weather Api with a certain URI, this will send a request to the server, then the server will send a response , this

response is the weather forecast. The Weather Forecast contains the Max Temperature , Min Temperature, Humidity, Wind Speed, Weather State (cloudy,sunny,rainy,...etc) and the country to which the city belongs. So the User have only to state the city name that he/she wants to know it's weather forecast details for the same (current) day. And the App show all of details described above.

About Implementation

We used html and css as a UI in front-end side and in the other side server side (back-end) we used php to call API and get the response in JSON file then we parse or decode the objects of the json file into a 5 dimensional array in php or in other words we get the value in object with key and in maximum we use 5 keys like in the weather state (description). Finally we show all these details on the screen to UI.

Tools

local hosting using Apache Server of XAMP.

Resource

<https://openweathermap.org/api>

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We give oath that we have fully authored all the programs we submitted for Assignment 1 and we did not copy work from the net, from other colleagues or from any sources.	
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