

# Mobile Application Development

## Assignment 2 (15 marks)

### Objectives

- Networking in android
  - Retrieving data from a server and displaying it
  - Using JSON /JSON Array
  - Using background threads

### Requirements

- In the assignment you are required to build an android app that display the current weather info for any selected city. The user should be able to enter city name and click submit button to get the city current weather info such as temperature (for complete list of required info see info to be displayed below).
- Make HTTP get request and retrieve the current weather info in JSON format from <http://openweathermap.org/current#name>
  1. Then extract the info from the JSON response
  2. Display the info on the page
  3. Refer to this link to see how to call Open weather API using city name <http://openweathermap.org/current#name>

#### Info to be displayed:

- a) City Name
- b) Temperature value
- c) Weather description
- d) Latitude and Longitude.

### Submit:

- Screenshots of your running application (or video recording)
- Submit Main folder as zip file **named firstNameLab5.zip** (application folder->app->src->main).
- Link to your running application using appetite tool ([https://appetize .io /](https://appetize.io/))

### Marking

- 10%for proper submission
- 10% for professionalism (making it look pretty)
- 25% Get request and Request parameters
- 30 %Extracting info from JSON object correctly
- 25% retrieving and Displaying data