**Coding Exercise**

**Overview:**

Build a weather lookup app that allows user to lookup weather for a given city.

User will open the app and enter a city name. For the given city, app will load the forecast using the forecast API provided by <https://openweathermap.org/>.

API: [https://api.openweathermap.org/data/2.5/forecast?q={city}&appid={api key}](https://api.openweathermap.org/data/2.5/forecast?q=%7bcity%7d&appid=%7bapi%20key%7d)

You can use API key: **65d00499677e59496ca2f318eb68c049**

From the response received, build a list view that lists temperature and weather.

User can then tap on a row to get more details about that particular forecast.

Detail view of the forecast would list the temperature, feels like, weather and weather description.

Below is the wireframe of the app to be built.

A screenshot of a cell phone

Description automatically generated A screenshot of a cell phone

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Description automatically generated

Sample data:

{

"dt": 1585288800,

"main": {

"temp": 72,

"feels\_like": 78,

"temp\_min": 65,

"temp\_max": 80,

"pressure": 1015,

"sea\_level": 1015,

"grnd\_level": 988,

"humidity": 83,

"temp\_kf": 0

},

"weather": [

{

"id": 802,

"main": "Clouds",

"description": "broken clouds",

"icon": "03n"

}

],

"clouds": {

"all": 38

},

"wind": {

"speed": 10.07,

"deg": 209

},

"sys": {

"pod": "n"

},

"dt\_txt": "2020-03-27 06:00:00"

}

Library: Feel free to use any library for iOS or Android platform