

PRACTICAL EXAMINATION

SUBJECT: DAWD - Developing Applications for Wireless Devices

Duration: 60 minutes

Intro OpenWeather Map

Weather data in a fast and elegant way

We are providing **highly recognisable weather products** that make working with the weather data a way easier. We work with millions of developers around a clock and believe that these benefits might be suitable for most of applications, up to the complex enterprise systems.

- A spectrum of out-of-the box weather products
 - Short-term and long-term forecasts, history and observation
 - Any location on the globe
 - Transparent pricing and licensing

Our weather products are accessible via fast, reliable **APIs** that follow industry standards and compatible with different kind of enterprise systems. All our products content essential climate variables for any location. Besides that, we have some special products that helpful for industries that are affected by weather condition. Amongst them are Road Risk and national weather alerts.

App Weather

Requirements for developing a weather forecast app. As a programmer, you need to develop a weather forecast module by city name.

- User enters city name
- The system will display detailed weather forecast information of that city
- The system will call to the API provided by OpenWeather Map
- The return data that needs to be displayed includes

```
"main": {
```

```
"temp": ...,  
"feels_like":...,  
"temp_min": ...,  
"temp_max": ...,  
"pressure": ...,  
"humidity": ...  
}
```

The application interface needs to be user-friendly and easy to understand

Marking Schema:

Question	Mark
Create GUI	2
Call API	4
Search by City Name	3
Display Weather info	5
Code Style	1
Total	15

Note: The students won't get any marks if the program is not running or having compiling error.