Weather App

Enter City:

| cairo | Get Forecast |

Clear skies, bring your shades 😎 It is going to be hot hot hot ! Don't even bother packing clothes 🌟

- Date & Time: 2019-10-12 15:00:00
  Conditions: Clear
  Temperature: 31.42 °C
  Wind Speed: 8.19 km/h
  Rainfall: 0 mm

- Date & Time: 2019-10-13 15:00:00
  Conditions: Clear
  Temperature: 31.9 °C
  Wind Speed: 7.91 km/h
  Rainfall: 0 mm

- Date & Time: 2019-10-14 15:00:00
  Conditions: Clouds
  Temperature: 30.27 °C
  Wind Speed: 0.31 km/h
  Rainfall: 0 mm

- Date & Time: 2019-10-15 15:00:00
  Conditions: Clear
  Temperature: 31.24 °C
  Wind Speed: 3.67 km/h
  Rainfall: 0 mm

- Date & Time: 2019-10-16 15:00:00
  Conditions: Clear
  Temperature: 30.49 °C
  Wind Speed: 5.27 km/h
  Rainfall: 0 mm

```javascript
// Server.js file

var bodyParser = require('body-parser')
var express = require('express');
var request = require('request');

var app = express();
var Vue = require("vue");

const port = 3000;
const path=require("path");

app.listen(port, () => console.log(`Example app listening on port ${port}!`))

app.get('/city/:name', function(req, res){
        city=req.params.name
        url =
'https://api.openweathermap.org/data/2.5/forecast?q='+city+'&units=metric&APPID=3e2d927
d4f28b456c6bc662f34350957';
        var x = request(url, function(error, response, body){
                weather_json = JSON.parse(body);
                console.log(weather_json)
                res.json(weather_json);
        });
});

app.use(express.static('views'))
```

```html
// index.html file

<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <meta http-equiv="X-UA-Compatible" content="ie=edge">
    <title>Weather App</title>
</head>

<script src="https://cdn.jsdelivr.net/npm/vue/dist/vue.js"></script>
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>

<body>
    <h1>Weather App</h1>
    <p>Enter City:</p>
    <div id="app">
        <input type="text" v-model="city">
        <button type="submit" v-on:click='getWeather'>Get Forecast</button><br><br>
        <strong>{{message}}</strong>
        <div v-for="x in summary">
            <p>
                <ul style="padding: 50px; background-color: #f2f2f2">

                    <li v-if="x.rain">
                            Date & Time: {{ x.dt_txt }} <br>
                        Conditions: {{x.weather[0].main}} <br>
                        Temperature: {{x.main.temp}} °C <br>
                        Wind Speed: {{x.wind.speed}} km/h <br>
                        Rainfall: {{x.rain["3h"]}} mm
                    </li>

                    <li v-else>
                            Date & Time: {{ x.dt_txt }} <br>
                        Conditions: {{x.weather[0].main}} <br>
                        Temperature: {{x.main.temp}} °C <br>
                        Wind Speed: {{x.wind.speed}} km/h <br>
                        Rainfall: 0 mm
                    </li>
                </ul>
            </p>
        </div>
    </div>
```

```html
<script>

    new Vue({
        el:"#app",

        data : {
            message: "",
            city: "",
            weather: "",
            summary: {}
        },

        methods: {
                getWeather: function(){
                    var self = this;
                    let res = fetch("city/"+self.city)
                    res.then(response => response.json())
                    .then(response => {
                        this.weather = response
                        this.message = ""

                        for(i=0; i<this.weather.list.length;i++){
                            var status = this.weather.list[i].weather[0].main
                            if(status == "Rain"){
                                this.message = "It's going to rain, so pack your wellies and a brolly
my friend ☂️"
                            }
                            else{
                                    this.message = "Clear skies, bring your shades 😎"
                            }
                        }

                        var j = 0
                        var temperature=0;
                        for(i=0; i<this.weather.list.length;i+=8){
                            this.summary[j] =  this.weather.list[i]
                            temperature = temperature + this.summary[j].main.temp
                            j++;
                        }

                        temperature = temperature/5;
```

```
            if (temperature<10) {
                this.message = this.message + " Jack frost will be on the prowl so
pack a cardigan or two 🥶";
            }
            else if (temperature<20) {
                this.message = this.message + " It's going to be pretty mild, so pack
something cosy for the evenings 🌙";
            }
            else if (temperature > 20) {
                this.message = this.message + " It is going to be hot hot hot ! Don't
even bother packing clothes ☀";
            }


        })
    }
}
})

</script>

</body>
</html>
```