```
<html>
    <head>
        <title>5 Day Forecast</title>
    </head>

<body>
    <div id="app">
        <h1>5 Day Forecast</h1>
        <h3>Where are you off to?</h3>
        <input v-model="location" placeholder="i.e. Paris,France"><br><br>
        <button v-on:click="GetForecast">Get Forecast</button>
        <br>
        <p v-if="weatherError">Are you sure that was a place? There was an error:
{{weatherError}}</p>

        <h3>Will it Rain?</h3>
        <div v-if="rain">Yes! Bring an Umbrella</div>
        <div v-if="!rain">No Rain Expected</div>

        <h3>Whats the temperature like?</h3>
        <p>You should pack for:</p>
        <ul>
            <li v-if="cold">Cold Weather</li>
            <li v-if="warm">Warm Weather</li>
            <li v-if="hot">Hot Weather</li>
        </ul>

        <h3>5 Day Forecast for {{location}}:</h3>
        <table>
            <thead>
                <tr>
                    <td>Date</td>
                    <td>Temperature (°C)</td>
                    <td>Wind Speed (m/s)</td>
                    <td>Rainfall (mm)</td>
                </tr>
            </thead>
            <tbody>
                <tr v-for= "day of dailyWeather" :key="index">
                    <td>{{day.date}}</td>
                    <td>{{day.temp}} °C</td>
                    <td>{{day.wind}} m/s</td>
                    <td>{{day.rain}} mm</td>
                </tr>
            </tbody>
        </table>

        <h3>Should I bring a mask?</h3>
        <div v-if="mask">You should bring a mask, there is a high level of
polution</div>
        <div v-else>You don't need a mask the polution level is not very high</div>
        <p v-if="airError">There was an error: {{airError}}</p>

    </div>

<script src="https://cdnjs.cloudflare.com/ajax/libs/vue/1.0.26/vue.min.js"></script>
```

```
55
56 <script>
57 const BASE_URL = "http://localhost:8081/5dayforecast/"
58 var myViewModel = new Vue({
59   el: '#app',
60   data:{
61       location: '',
62       rain:false,
63       cold:false,
64       warm:false,
65       hot:false,
66       long:0,
67       lat:0,
68       mask:false,
69       weatherError:'',
70       airError:'',
71       dailyWeather:[]
72   },
73   methods: {GetForecast: function(){
74     this.resetData();
75     console.log("Getting Forecast")
76     let prom = fetch(BASE_URL+this.location)
77     prom.then (response => response.json())
78         .then(response=>{
79             if(response.error){
80                 this.weatherError=response.error
81                 this.dailyWeather = []
82             }else{
83                 this.long = response.locationData.long;
84                 this.lat = response.locationData.lat;
85                 (response.weatherData).forEach(element => {
86                     console.log("Sorting Info")
87                     this.cold = this.cold || element.temp<10
88                     this.warm = this.warm || (element.temp>=10 && element.temp<20)
89                     this.hot = this.hot || element.temp>=20
90                     this.rain = this.rain || element.rain>0
91                 })
92                 this.dailyWeather = dailyForecast(response.weatherData)
93                 this.GetAir()
94             }
95         })
96     },
97     resetData: function(){
98         console.log("Resetting Data")
99         this.rain=false
100        this.cold=false
101        this.warm=false
102        this.hot=false
103        this.mask=false
104        this.airError = ''
105        this.weatherError = ''
106    },
107    GetAir: function(){
108        Lat = this.lat.toString()
109        Long = this.long.toString()
110        console.log("Getting Air Data");
111        let prom = fetch(BASE_URL+Lat+'/'+Long)
```

```
        prom.then (response => response.json())
            .then(response=>{
                if(response.message){
                    this.airError = response.message
                }else{
                    console.log("Reading Air Data");
                    (response.airData).forEach(element=>{
                    this.mask = this.mask || element.pm25>10
                    })
                }

             })
    }
  }
});

function dailyForecast(weatherData){
    console.log("Getting Average Daily Information")
    var daily = []
    index = 0
    var currDate = ""
    var avgRain = 0
    var avgTemp = 0
    var avgWind = 0
    var counter = 0
    weatherData.forEach(element =>{
        newDay = element.date.split(' ')[0]
        counter++
        if(currDate==""){
            currDate=newDay
        }
        if(newDay!=currDate && index<5){
            avgRain=(avgRain/counter).toFixed(2)
            avgTemp=(avgTemp/counter).toFixed(0)
            avgWind=(avgWind/counter).toFixed(2)
            daily[index] = {'date':currDate, 'temp':avgTemp, 'wind':avgWind,
'rain':avgRain}
            index++
            currDate=newDay
            counter = 0
            avgRain = 0
            avgTemp = 0
            avgWind = 0
        }
        avgTemp += element.temp
        avgRain += element.rain
        avgWind += element.wind

    })
    return daily
}

function maskData(long, lat){


}

```

```
</script>
</body>
<style>
    table {
      border-collapse: collapse;
      width: 100%;
    }

    td, th {
      border: 1px solid #000000;
      text-align: left;
      padding: 5px;
    }
</style>
</html>
```