public/index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <script src="https://cdn.jsdelivr.net/npm/axios/dist/axios.min.js"></script>
    k href="https://fonts.googleapis.com/css?family=Roboto:100,300,400,500,700,
900" rel="stylesheet">
    k href="
https://cdn.jsdelivr.net/npm/@mdi/font@4.x/css/materialdesignicons.min.css" rel="
stylesheet">
    k href="https://cdn.jsdelivr.net/npm/vuetify@2.x/dist/vuetify.min.css" rel="
stylesheet">
    <title>5 Day Weather</title>
</head>
<body>
    <div id="app">
       <v-app id="inspire">
           <div style="display: flex; justify-content: center; margin: 0 10px; align-
items: center;">
               <v-col cols="3" sm="3" class="mt-8">
                   <v-text-field v-model="locationInput" label="Location" clearable</pre>
outlined dense></v-text-field>
               </v-col>
               <v-btn color="primary" class="mt-1" @click="getWeather" depressed>
                   <v-icon left>
                       mdi-cloud-search-outline
                   </v-icon>
                   Search
               <span class="red--text font-weight-bold ml-5" style="width: 20%;">
{{errorMessage}}</span>
           </div>
           <v-main>
             <div v-if="weatherData.length≠0" style="display: flex; flex-direction:
column; align-items: center; font-size: large; font-weight: bold;">
               <div v-if="willRain">
                   You will need to bring an umbrella today!
               </div>
               <div>
                   {{weatherString}}
               </div>
             </div>
               <v-container>
                     <div style="display: flex; flex-direction: column;">
                       <template v-for="(value,index) of weatherData">
                               <span class="text-h4 font-weight-light">{{ value[0]
.timeString.split(" ")[0] }}</span>
                             </div>
                             <div style="display: flex; flex-direction: row;gap:</pre>
10px;">
<v-sheet>
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<div style="font-size: 1.4rem; text-
decoration: underline; " class="">
                                             {{value[weatherIndex].timeString.split(" "
)[1].substring(0, 5)}}
                                         </div>
                                         <div class="">
                                             {{value[weatherIndex].temp}}°C
                                         </div>
                                         <div class="">
                                             {{value[weatherIndex].rain}}mm Rain
                                         </div>
                                         <div class="">
                                             {{value[weatherIndex].wind.speed}}m/s Wind
                                         </div>
                                     </v-sheet>
                                   </div>
                              </div>
                        </template>
                      </div>
                </v-container>
            </v-main>
    </div>
    <script src="https://cdn.jsdelivr.net/npm/vue@2.x/dist/vue.js"></script>
    <script src="https://cdn.jsdelivr.net/npm/vuetify@2.x/dist/vuetify.js"></script>
    <script >
        const BASE_URL = "http://localhost:5501/"
        const UMBRELLA_THRESHOLD = 2; //min amount of rain required for umbrella (in
mm)
        const COLD_THRESHOLD = 10; //any temp below this is cold
        const HOT_THRESHOLD = 20; //any temp above this is hot
        new Vue({
            el: '#app',
            data: {
                "locationInput": "Dublin, IE",
                "drawer": true,
                "weatherData": [],
                "willRain": false,
                "coldWeather": false,
                "warmWeather": false,
                "hotWeather": false,
                "errorMessage": "",
                "airQual": ""
            },
            computed: {
                weatherString: function () {
                    let weatherArr = [];
                    if (this.coldWeather)
                        weatherArr.push("cold");
                    if (this.warmWeather)
                        weatherArr.push("warm");
                    if (this.hotWeather)
                        weatherArr.push("hot");
                    return weatherArr.length > 0 ? `It will be ${weatherArr.join(", ")
} today`: "";
                }
            },
            methods: {
                getWeather: function () {
                    axios.get(BASE_URL + "5dayweather", {
                        params: {
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location: this.locationInput
                        }
                    })
                         .then(res => res.data)
                         .then(res => {
                             if (res.error) { //handle API errors
                                 this.errorMessage = res.error;
                             }
                             this.errorMessage = ""
                             let weather = res.weather;
                             weather.forEach(element => { //determine what to inform
the user they should pack
                                 // only care about the current day
                                 let dataDate = new Date(element.timeString)
                                 if(dataDate.getDay() == new Date().getDay()) {
                                     console.log(dataDate)
                                     this.willRain = this.willRain || element.rain >
UMBRELLA_THRESHOLD;
                                     this.coldWeather = this.coldWeather ||
element.temp < COLD_THRESHOLD;</pre>
                                     this.warmWeather = this.warmWeather |
(element.temp > COLD_THRESHOLD && element.temp < HOT_THRESHOLD);</pre>
                                     this.hotWeather = this.hotWeather || element.temp
> HOT_THRESHOLD;
                                 }
                             });
                             this.weatherData = sortToArrayOfDays(weather)
                             axios.get(BASE_URL+"airqual", {
                                 params: {
                                     lat: res.city.coord.lat,
                                     lon: res.city.coord.lon
                                 }
                             }).then(res => res.data)
                             .then(res => {
                                 if (res.error) {
                                     this.errorMessage = `failed to get airqual:
${res.error}`
                                     return
                                 }
                                 this.errorMessage = ""
                                 console.log(res)
                                 airData = res.airData;
                                 this.airQual = ""
                                 airData.forEach(element => {
                                     if (element.aqi > 10) {
                                         this.airQual = "Air Quality is bad, wear a
mask"
                                     }
                                 })
                             })
                             console.log(this.weatherData)
                          })
æ
                }
            },
            vuetify: new Vuetify(),
        })
        //reorganise the data to make it easier to display
        function sortToArrayOfDays(inputArray) {
            let returnArray = [];
            let curIndex = -1;
            let curDate = "";
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for (element of inputArray) {
    let dayStr = element.timeString.split(" ")[0];
    // console.log(dayStr)
    if (dayStr ≠= curDate) {
        curDate = dayStr;
        curIndex++;
        returnArray[curIndex] = [];
    }
    returnArray[curIndex].push(element)
}
return returnArray;
}

/body>

/html>
```