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1 <!DOCTYPE html>
2
3 <head>
4   <title>Weather App</title>
5   <meta charset="utf-8" />
6   <meta name="viewport" content="width=device-width, initial-scale=1" />
7   <script src="https://cdn.jsdelivr.net/npm/vue@2/dist/vue.js"></script>
8   <script src="https://unpkg.com/axios/dist/axios.min.js"></script>
9   <link
10     rel="stylesheet"
11     href="https://cdn.jsdelivr.net/npm/bulma@0.9.1/css/bulma.min.css"
12   />
13 </head>
14
15 <body>
16   <!-- -----Heading ----->
17   <section class="hero is-medium is-black">
18     <div class="hero-body">
19       <div class="container has-text-centered">
20         <h1 class="title is-size-1 is-mobile">Weather App</h1>
21         <h2 class="subtitle">by Mayank Arora</h2>
22       </div>
23     </div>
24   </section>
25
26   <!-- Vue section starts -->
27
28   <section>
29     <div id="app">
30       <!-- -----Input Field ----->
31       <div class="container">
32         <div class="control">
33           <input
34             class="input is-medium"
35             v-model="city"
36             @keyup.enter="getweather"
37             type="text"
38             placeholder="Enter City"
39           />
40         </div>
41       </div>
42
43       <!-- -----City DOES NOT exist ----->
44       <template v-if="error">
45         <section class="hero is-medium is-black">
46           <div class="hero-body">
47             <div class="container has-text-centered">
48               <h1 class="is-size-3 is-mobile">{{error_message}}</h1>
49               <h2 class="is-size-4 is-mobile">
50                 Please enter a valid city name
51               </h2>
52             </div>
53           </div>
54         </section>
55       </template>
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56
57 <!-- -----City exists ----->
58 <template v-if="show_data">
59   <section class="hero is-medium is-black">
60     <div class="hero-body">
61       <!-- City information -->
62       <div class="container has-text-centered">
63         <h2 class="is-size-4 is-mobile">
64           Now showing data for {{city_name}} located in {{country}}
65         </h2>
66       </div>
67
68       <br />
69       <br />
70
71       <div class="container has-text-centered">
72         <!-- Temperature information -->
73         <h2 class="is-size-4 is-mobile">
74           The maximum temperature over the next five days is around {{
75             max_temp}}°C and will drop to around {{ min_temp }}°C so the
76             average is about {{ average_temp }}°C, we recommend packing
for
77             {{ packing }} weather.
78         </h2>
79
80         <br />
81
82         <!-- Umbrella information -->
83         <div v-if="rainfall">
84           <h2 class="is-size-4 is-mobile">
85             Rain is expected over the next 5 days so we suggest
carrying
86             an umbrella.
87           </h2>
88         </div>
89         <div v-else>
90           <h2 class="is-size-4 is-mobile">
91             No Rain is expected over the next 5 days.
92           </h2>
93         </div>
94
95         <br />
96         <br />
97
98         <!-- Summary table-->
99         <table
100           class="table is-bordered is-striped is-fullwidth is-
hoverable"
101         >
102           <thead>
103             <tr>
104               <th>Day</th>
105               <th>Max Temp</th>
106               <th>Min Temp</th>
107               <th>Wind speed</th>

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107         <th>wind_speed</th>
108         <th>Rainfall</th>
109     </tr>
110 </thead>
111 <tbody>
112     <tr v-for="data in weather_5_day">
113         <td>{{data.date}}</td>
114         <td>{{data.max_temp}}°C</td>
115         <td>{{data.min_temp}}°C</td>
116         <td>{{data.wind_speed}}m/s</td>
117         <td>{{data.total_rain}}mm</td>
118     </tr>
119 </tbody>
120 </table>
121 </div>
122 </div>
123 </section>
124 </template>
125 </div>
126 </section>
127 </body>
128
129 <script>
130     var app = new Vue({
131         el: "#app",
132         data: {
133             // city is appended to the url and used for a get request
134             url: "http://localhost:5000/api/data/",
135             city: "",
136
137             //data received from the server is stored in these variables
138             city_name: "",
139             country: "",
140             packing: "",
141             max_temp: "",
142             min_temp: "",
143             average_temp: "",
144             rainfall: false,
145             weather_5_day: [],
146
147             //toggling between show_data and error
148             show_data: false,
149             error: false,
150             error_message: "",
151         },
152
153         methods: {
154             getweather: function () {
155                 axios.get(this.url + this.city).then((response) => {
156                     if (response.data.error) {
157                         this.error = true;
158                         this.show_data = false;
159                         this.error_message = this.city + " does not exist";
160                     } else {
161                         this.error = false;
162                         this.show_data = true;

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162         this.show_data = true;
163
164         this.city_name = response.data.city;
165         this.country = response.data.country;
166
167         this.max_temp = response.data.max_in_week;
168         this.min_temp = response.data.min_in_week;
169         this.average_temp = response.data.average_temp;
170         this.packing = response.data.packing;
171         this.weather_5_day = response.data.weather;
172
173         this.rainfall = response.data.expected_rain;
174     }
175     });
176 },
177 },
178 });
179 </script>
180
181 <style>
182     html,
183     body {
184         width: 100%;
185         height: 100%;
186         margin: 0px;
187         padding: 0px;
188         background: #0a0a0a;
189         overflow-x: hidden;
190     }
191 </style>
192
```