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1 <html>
2   <script src="https://cdn.jsdelivr.net/npm/vue@2.6.12"></script>
3   <body>
4     <div id="app">
5       <button v-on:click="createDatabase" v-if="noDatabase">Create
Database</button>
6       <button v-on:click="queryDatabase" v-if="database">Query
Database</button>
7       <button v-on:click="destroyDatabase" v-if="database">Destroy
Database</button>
8       <br>
9       <input type="text" v-model.lazy="movie" placeholder="Movie
Name" v-if="database">
10      <input type="text" v-model.lazy="year" placeholder="Year"
v-if="database">
11      <input type="text" v-model.lazy="rating" placeholder="Rating"
v-if="database">
12      <br>
13      <div v-if="data">
14        <button v-on:click="sortByRating">Sort by Rating</button>
15        <button v-on:click="sortByRanking">Sort by Rank</button>
16        <table>
17          <tr>
18            <th>Movie</th>
19            <th>Year of Release</th>
20            <th>Rating</th>
21            <th>Rank</th>
22          </tr>
23          <tr v-for="m in movies">
24            <td>{{ m.title }}</td>
25            <td>{{ m.year }}</td>
26            <td>{{ m.rating }}</td>
27            <td>{{ m.rank }}</td>
28          </tr>
29        </table>
30      </div>
31    </div>
32  </body>
33
34  <script>
35    var app = new Vue({
36      el: '#app',
37      data: {
38        noDatabase: true,
39        database: false,
40        data: false,
41        movies: [],
42        movie: "",
43        year: "",
```

```
44         rating: "",
45         sortedByRatingUp: false,
46         sortedByRankingUp: false,
47     },
48     methods: {
49         createDatabase: function() {
50             fetch("/create")
51             .then(function(res) {
52                 return res.json()
53             })
54             .then(function(data) {
55                 console.log(data.message);
56                 if(data.message == "success") {
57                     app.noDatabase = false;
58                     app.database = true;
59                 }
60             })
61         },
62
63         queryDatabase: function() {
64             var options = {
65                 method: 'GET',
66                 headers: {
67                     'Movie': app.movie,
68                     'Year': app.year,
69                     'Rating': app.rating,
70                 }
71             };
72             fetch("/query", options)
73             .then(function(res) { return res.json(); })
74             .then(function(data) {
75                 if(data.message.includes("Failed")) {
76
77                 } else {
78                     app.movies = data.data;
79                     app.data = true;
80                 }
81             });
82         },
83
84         destroyDatabase: function() {
85             fetch("/destroy")
86             .then("Destroyed")
87             .catch("Caught an error");
88             app.noDatabase = true;
89             app.database = false;
90             app.data = false;
91             app.movie = "";
92             app.year = "";
```

```
93         app.rating = "";
94     },
95
96     sortByRating: function() {
97         if(app.sortedByRatingUp) {
98             app.movies = app.movies.sort(function(a, b) {return
a.rating - b.rating});
99             app.sortedByRatingUp = false;
100             app.sortedByRankUp = false;
101         } else {
102             app.movies = app.movies.sort(function(a, b) {return
b.rating - a.rating});
103             app.sortedByRatingUp = true;
104         }
105     },
106
107     sortByRanking: function() {
108         if(app.sortedByRankUp) {
109             app.movies = app.movies.sort(function(a, b) {return
b.rank - a.rank});
110             app.sortedByRankUp = false;
111             app.sortedByRatingUp = false;
112         } else {
113             app.movies = app.movies.sort(function(a, b) {return
a.rank - b.rank});
114             app.sortedByRankUp = true;
115         }
116     }
117 }
118 })
119 </script>
120 </html>
```