```
 1  <!DOCTYPE html>
 2  <html>
 3      <title>Thomas Kelly - Assignment 2</title>
 4      <script src="https://cdn.jsdelivr.net/npm/vue/dist/vue.js"></script>
 5      <script src="https://unpkg.com/axios/dist/axios.min.js"></script>
 6
 7
 8      <body style = "background-color: #5CDB95;">
 9      <div id = "app">
10
11      <h1 style = "color: #EDF5E1;">Database Manager</h1>
12      <h2 style = "color:#EDF5E1;">Assignment 2</h2>
13      <h3 style = "color: #EDF5E1;">Thomas Kelly - 16323455</h3>
14
15              <hr>
16              <Button v-on:click = "btnHandler(0)" style = "background-color:#05386B;
    color:#EDF5E1; border-radius:10px;padding:5px; border: 2px solid
    #8EE4AF;">Create</Button>
17              <br><br>
18              <Button v-on:click = "btnHandler(3)" style = "background-color:#05386B;
    color:#EDF5E1; border-radius:10px;padding:5px; border: 2px solid #8EE4AF;">Top Movies
    since the year 2000</Button>
19              <br><br>
20              <button v-on:click = "btnHandler(1)" style = "background-color:#05386B;
    color:#EDF5E1; border-radius:10px;padding:5px; border: 2px solid
    #8EE4AF">Query</button>  <input v-model="year" placeholder="Enter year"> <input v-
    model="movie" placeholder="Enter movie"> <p style = "color: #faeae8; font-size:
    20px;">{{movie}} </p>
21
22              <button v-on:click = "btnHandler(2)" style = "background-color:#05386B;
    color:#EDF5E1; border-radius:10px;padding:5px; border: 2px solid
    #8EE4AF">Destroy</button>
23              <hr>
24              <pre><p style = "color: #EDF5E1; font-size: 18px; font-style: solid;">
    {{data}}</p></pre>
25              <p>{{debug}}</p>
26      </div>
27
28
29
30      </body>
31      <script>
32      let event=  0; // variable to determine which function (create,query,destroy) is
    carried out
33      let url;
34      let port = 3000;
35      const req = {
36          method: 'GET'
37      }
38      //BUILD VUE OBJECT
39      let myVue = new Vue ({
40          el: "#app",
41          data: {
42              movie: "", //stores movie input into text field
43              year: "",
44              data: "",
45              debug: ""
46          },
47          methods: {
48              btnHandler: (event) => { //handle pressing of button
```

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49                let actions = ["Create","Query","Destroy"] //store each buttons
      function
50                console.log("Executing function " + actions[event])
51                url = "http://localhost:" + port; //build url
52
53                //CREATE DATABASE ======================================
54                if(event == 0){
55                    movie = " ";
56                    url=url + "/create";
57                    myVue.data = "> Please wait while the database is created and
      populated."
58                    myVue.debug = "";
59                //QUERY THE DATABASE ======================================
60                } else if (event == 1){
61                    if(myVue.year == "" || myVue.movie == ""){ // if the user leaves
      the movie field empty
62                        console.log("Please enter a movie substring & year\n");
63                        myVue.debug = "Please enter a year & a substring\n";
64
65                    } else { //otherwise, concatenate the search movie to the url
66
67                        url=url + "/query/" + myVue.movie + "/" + myVue.year;
68
69                        myVue.debug = "";
70
71                    }
72                //DESTROY THE DATABASE ======================================
73                } else if(event == 2){
74                    movie = "";
75                    url=url + "/destroy";
76                } else { //top rated movies
77                    url = url + "/top";
78                }
79                console.log(url);
80
81                //BUILD AND SEND THE REQUEST
82                const myRequest = new Request(url, req); //build request
83                fetch(myRequest) //invoke fetch get request to url
84                .then( (response) => response.text() )
85                .then( (data) => {
86                    myVue.data = data;
87                    console.log(data);
88                })
89                .catch( (e)=> console.error(e))
90
91            }
92        }
93        }
94    )
95
96
97    </script>
98 </html>
```