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1  <!--HTML for client web page ----->
2  <!DOCTYPE html>
3  <html>
4      <script src="https://cdn.jsdelivr.net/npm/vue/dist/vue.js"></script>
5      <div id="app">
6          <h1> CSU44000 - Movie Details</h1>
7          <div>
8              <!--create button-->
9              <button v-on:click="createTable">Create Table</button>
10             <!--delete button-->
11             <button v-on:click="deleteTable">Delete Table</button>
12             <!--output to user-->
13             <div v-if="succesfulCreate">Table Created</div>
14             <div v-if="failedCreate">Table already exists!</div>
15             <div v-if="succesfulDelete">Table Deleted</div>
16             <div v-if="failedDelete">Table failed to delete</div>
17         </div>
18         <br/><br/>
19         <!--query table form and button-->
20         <form @submit.prevent="queryTable">Look up a Movie <br/>
21             <label> Movie Title
22                 <input type="text" v-model="userTitle">
23             </label>
24             <br/><br/>
25             <label> Movie Year
26                 <input type="text" v-model="userYear">
27             </label>
28             <button v-on:submit.prevent>Look Up</button>
29         </form>
30         <br/>
31         <!--results of query is succesful-->
32         <div v-if="movieResults.length >0">
33             <table border=1>
34                 <tr>
35                     <th>Movie Name</th>
36                     <th>Release Date</th>
37                     <th>Rank</th>
38                 </tr>
39                 <tr v-for="movie in movieResults" :key="movie.title">
40                     <td>{{movie.title}}</td>
41                     <td>{{movie.release_date.split('T')[0]}}</td> <!--just print out
42                     date of release, ignore timestamp-->
43                     <td>{{movie.rank}}</td>
44                 </tr>
45             </table>
46             <br/>
47         </div>
48         <!-- result of the query is unsuccessful-->
49         <div v-if="movieResults==0 && queryDisplay">Sorry, I don't know that
50             movie!</div>
51     </div>
52 <!-------Vue js script for handling client - interacts with server----->
53 <script>
54     var app= new Vue({
55         el: '#app',
56         data:{
57             //booleans to keep track of state of webpage (i.e. which message to
58             display)
59             succesfulCreate: false,
60             succesfulDelete: false,
61             failedCreate: false,
62             failedDelete: false,
63             queryDisplay: false, //boolean over whether active query
64             userYear: null, //store user input for queries
65             userTitle: null,
66             movieResults: [], //results of query to table
67         },
68         methods:{
69             //function to create a table in dynamodb using data from s3 bucket
70             async createTable(){
71                 //set all state booleans to false

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70         this.succesfulCreate = false
71         this.succesfulDelete=false
72         this.failedCreate=false
73         this.failedDelete=false
74         this.queryDisplay=false
75         //ask server to carry out create
76         const response = await fetch("api/createTable") //returns
77         promise that resolve to reponse object
78         if(response.ok){this.succesfulCreate=true} //table succesfully
79         created
80         else{this.failedCreate=true} //table failed to create - user
81         has already created table
82     },
83     //function to delete table
84     async deleteTable(){
85         //set all state booleans to false
86         this.succesfulCreate = false
87         this.succesfulDelete=false
88         this.failedCreate=false
89         this.failedDelete=false
90         this.queryDisplay=false
91         //ask server to carry out delete
92         const response = await fetch ("api/deleteTable")
93         if(response.ok) {this.succesfulDelete=true}
94         else{this.failedDelete=true} //table failed to delete
95     },
96     //function to take user input and query table for movie information
97     async queryTable(){
98         //set all state booleans to false
99         this.succesfulCreate = false
100         this.succesfulDelete=false
101         this.failedCreate=false
102         this.failedDelete=false
103         //ask server to carry out query
104         const response = await fetch
105         (`api/getMovies?title=${this.userTitle}&year=${this.userYear}`)
106         if(response.ok){
107             // reads response stream and returns promise that resolves with
108             the result of parsing the body text as JSON
109             const temp = await response.json();
110             this.movieResults = temp
111             this.queryDisplay=true
112         }
113     },
114 } //end methods section
115 }) //end app section
116 </script>
</html>

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