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1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4     <meta charset="UTF-8">
5     <meta name="viewport" content="width=device-width, initial-scale=1.0">
6     <title>Dynamic Select Statements</title>
7
8     <style>
9         * {
10             box-sizing: border-box;
11         }
12
13         body {
14             font-size: 1rem;
15             font-family: -apple-system, BlinkMacSystemFont, 'Segoe UI', Roboto,
Oxygen, Ubuntu, Cantarell, 'Open Sans', 'Helvetica Neue', sans-serif
16         }
17
18         label {
19             display: inline-block;
20             margin-bottom: .25rem;
21             font-weight: 600;
22         }
23
24         span {
25             background-color: crimson;
26             color: white;
27             padding: .3rem .6rem;
28             border-radius: .25rem;
29             font-weight: 700;
30         }
31
32         select {
33             display: block;
34             width: 100%;
35             padding: .375rem .75rem;
36             font-size: 1rem;
37             border-radius: .25rem;
38             height: calc(1.5em + .75rem + 2px);
39             line-height: 1.5;
40             border: 1px solid #ced4da;
41         }
42
43         .mb-3 {
44             margin-bottom: 1rem;
45         }
46     </style>
47 </head>
48 <body>
49     <noscript>This page requires JavaScript be available and enabled to function
properly</noscript>
50     <h1>Dynamic Select Statements</h1>
51
52     <div class="mb-3">
53
54         <!-- Select continent -->
55         <label for="continent">Select Continent:</label>
56         <select id="continent">
57             <option value="">Select a Continent</option>
58             <option value="North America">North America</option>
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59         <option value="South America">South America</option>
60         <option value="Asia">Asia</option>
61         <option value="Europe">Europe</option>
62     </select>
63 </div>
64
65 <div class="mb-3">
66
67     <!-- Select country -->
68     <label for="country">Select a country:</label>
69     <select id="country">
70         <option value="">Select a country</option>
71     </select>
72 </div>
73
74 <!-- Output -->
75 <div id="output"></div>
76
77 <script>
78
79     // array of possible countries in the same order as they appear in the
country selection list
80     var countryLists = new Array(4)
81     countryLists["North America"] = ["Canada", "United States", "Mexico"];
82     countryLists["South America"] = ["Brazil", "Argentina", "Chile", "Peru",
"Ecuador"];
83     countryLists["Asia"] = ["Russia", "China", "Japan"];
84     countryLists["Europe"] = ["Britain", "France", "Spain", "Germany"];
85
86     const selectContinent = document.querySelector('select#continent');
87     const selectCountry = document.querySelector('select#country');
88
89     document.addEventListener('DOMContentLoaded', () => {
90
91         initChangeContinent();
92         initChangeCountry();
93
94     });
95
96     // Inicialización cambio de continente
97     const initChangeContinent = () => {
98         if (selectContinent) {
99             selectContinent.onchange = function (e) { return
handleChangeContinent(this, e); }
100         }
101     }
102
103     // Manejador del evento change continente
104     const handleChangeContinent = (selectObj, objEvent) => {
105         if (selectCountry) {
106             // Solo se habilitará cuando el índice seleccionado sea distinto de
cero
107             selectCountry.disabled = true;
108             // Removemos opciones si las hay
109             removeOptions(selectCountry);
110             output('');
111             const selectedIndex = selectObj.selectedIndex;
112             if (selectedIndex > 0) {
113                 selectCountry.disabled = false;
114                 const which = selectObj.options[selectedIndex].value;

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115         cList = countryLists[which];
116         // Creamos opciones
117         createOptions(cList, selectCountry);
118     }
119 }
120 }
121
122 // Inicialización cambio de país
123 const initChangeCountry = () => {
124     if (selectCountry) {
125         selectCountry.disabled = true;
126         selectCountry.onChange = function (e) { return
handleChangeCountry(this, e); }
127     }
128 }
129
130 // Manejador del evento change país
131 const handleChangeCountry = (selectObj, objEvent) => {
132     const selectedIndex = selectObj.selectedIndex;
133     let message = '';
134     if (selectedIndex > 0) {
135         const country = selectObj.options[selectedIndex].value;
136         message += `Usted seleccionó <span>${country}</span>`;
137     }
138     output(message);
139 }
140
141 // Datos de salida
142 const output = (message) => {
143     const output = document.querySelector('#output');
144     if (output) output.innerHTML = message;
145 }
146
147 // Crea opciones en objetos select
148 const createOptions = (data, selectObj) => {
149     let newOpt;
150     const fragment = document.createDocumentFragment();
151     data.forEach(element => {
152         newOpt = document.createElement('option');
153         newOpt.value = element;
154         newOpt.text = element;
155         try {
156             fragment.add(newOpt);
157         } catch (error) {
158             fragment.appendChild(newOpt);
159         }
160     });
161     selectObj.appendChild(fragment);
162 }
163
164 // Remueve todas las opciones excepto el índice 0 (osea no remueve la primera
opción)
165 const removeOptions = (selectObj) => {
166     let len = selectObj.options.length;
167     while (len-- > 1) selectObj.remove(1);
168 }
169 </script>
170 </body>
171 </html>

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