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1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title>Google Maps V3 style controls</title>
5   <style type="text/css">
6     html, body, #map {
7       margin: 0;
8       padding: 0;
9       height: 100%;
10    }
11    #terrainCheck, #myCheck{
12      display: none;
13    }
14
15  </style>
16  <!--<link rel="stylesheet" type="text/css" href="gdropdown.css" />-->
17  <link rel="stylesheet" type="text/css" href="css/gdropdown.css" />
18  <script type="text/javascript" src="http://maps.google.com/maps/api/js?sensor=false"></script>
19  <!--<script type="text/javascript" src="gdropdown.js"></script>-->
20  <script type="text/javascript">
21
22    function initialize() {
23      //set up the map
24      var mapDiv = document.getElementById('map');
25      var myOptions = {
26        zoom: 12,
27        center: new google.maps.LatLng(41.850033, -87.6500523),
28        mapTypeId: google.maps.MapTypeId.ROADMAP,
29        mapTypeControl: true,
30        mapTypeControlOptions: {style: google.maps.MapTypeControlStyle.DROPDOWN_MENU}
31      };
32      var map = new google.maps.Map(mapDiv, myOptions);
33
34      //set up custom buttons
35      var buttonOptions = {
36        gmap: map,
37        name: 'Sydney',
38        position: google.maps.ControlPosition.TOP_RIGHT,
39        action: function(){map.panTo(new google.maps.LatLng(-33.9, 151.2));}
40      };
41      var button1 = new google.maps.Control(buttonOptions);
42
43      var buttonOptions = {
44        gmap: map,
45        name: 'Home',
46        position: google.maps.ControlPosition.TOP_RIGHT,
47        action: function(){map.panTo(new google.maps.LatLng(43.136957, -70.937392));}
48      };
49      var button2 = new google.maps.Control(buttonOptions);
50
51      //start process to set up custom drop down
52      //create the options that respond to click
53      var divOptions = {
54        gmap: map,
55        name: 'Option1',
56        title: "This acts like a button or click event",
57        id: "mapOpt",
58        action: function(){alert('option1');}
59      };
60      var optionDiv1 = new google.maps.Control(divOptions);
61
62      var divOptions2 = {
63        gmap: map,
64        name: 'Option2',
65        title: "This acts like a button or click event",
66        id: "satelliteOpt",
67        action: function(){alert('option2');}
68      };
69      var optionDiv2 = new google.maps.Control(divOptions2);
70
71      //create the check box items
72      var checkOptions = {
73        gmap: map,
74        title: "This allows for multiple selection/toggling on/off",
75        id: "terrainCheck",
76        label: "On/Off",
77        action: function(){alert('you clicked check 1');}
78      };
79      var check1 = new google.maps.Control(checkOptions);
80
81    }
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82
83     var checkOptions2 = {
84         gmap: map,
85         title: "This allows for multiple selection/toggling on/off",
86         id: "myCheck",
87         label: "my On/Off",
88         action: function(){alert('you clicked check 2');}
89     };
90     var check2 = new checkBox(checkOptions2);
91
92     //create the input box items
93
94     //possibly add a separator between controls
95     var sep = new separator();
96
97     //put them all together to create the drop down
98     var ddDivOptions = {
99         items: [optionDiv1, optionDiv2, sep, check1, check2],
100         id: "myddOptsDiv"
101     };
102     //alert(ddDivOptions.items[1]);
103     var dropDownDiv = new dropDownOptionsDiv(ddDivOptions);
104
105     var dropDownOptions = {
106         gmap: map,
107         name: 'My Box',
108         id: 'ddControl',
109         title: 'A custom drop down select with mixed elements',
110         position: google.maps.ControlPosition.TOP_RIGHT,
111         dropDown: dropDownDiv
112     };
113
114     var dropDown1 = new dropDownControl(dropDownOptions);
115 }
116 google.maps.event.addDomListener(window, 'load', initialize);
117 </script>
118
119 <script type="text/javascript">
120
121 //     var _gaq = _gaq || [];
122 //     _gaq.push(['_setAccount', 'UA-31807274-1']);
123 //     _gaq.push(['_setDomainName', 'vislab-ccom.unh.edu']);
124 //     _gaq.push(['_trackPageview']);
125 //
126 //     (function() {
127 //         var ga = document.createElement('script'); ga.type = 'text/javascript'; ga.async = true;
128 //         ga.src = ('https:' == document.location.protocol ? 'https://ssl' : 'http://www') + '.google-analytics.com/ga.js';
129 //         var s = document.getElementsByTagName('script')[0]; s.parentNode.insertBefore(ga, s);
130 //     })();
131
132 </script>
133
134 <script>
135 //*****
136 //Classes to set up the drop-down control
137 //*****
138 function optionDiv(options){
139     var control = document.createElement('DIV');
140     control.className = "dropDownItemDiv";
141     control.title = options.title;
142     control.id = options.id;
143     control.innerHTML = options.name;
144     google.maps.event.addDomListener(control, 'click', options.action);
145     return control;
146 }
147
148 function checkBox(options){
149     //first make the outer container
150     var container = document.createElement('DIV');
151     container.className = "checkboxContainer";
152     container.title = options.title;
153
154     var span = document.createElement('SPAN');
155     span.role = "checkbox";
156     span.className = "checkboxSpan";
157
158     var bDiv = document.createElement('DIV');
159     bDiv.className = "blankDiv";
160     bDiv.id = options.id;
161
162     var image = document.createElement('IMG');

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163         image.className = "blankImg";
164         image.src = "http://maps.gstatic.com/mapfiles/mv/imgs8.png";
165
166         var label = document.createElement('LABEL');
167         label.className = "checkboxLabel";
168         label.innerHTML = options.label;
169
170         bDiv.appendChild(image);
171         span.appendChild(bDiv);
172         container.appendChild(span);
173         container.appendChild(label);
174
175         google.maps.event.addDomListener(container, 'click', function() {
176             (document.getElementById(bDiv.id).style.display == 'block') ? document.getElementById(bDiv.id).style.display =
'none' : document.getElementById(bDiv.id).style.display = 'block';
177             options.action();
178         });
179         return container;
180     }
181     function separator(){
182         var sep = document.createElement('DIV');
183         sep.className = "separatorDiv";
184         return sep;
185     }
186
187     function dropDownOptionsDiv(options){
188         //alert(options.items[1]);
189         var container = document.createElement('DIV');
190         container.className = "dropDownOptionsDiv";
191         container.id = options.id;
192
193
194         for(i=0; i<options.items.length; i++){
195             //alert(options.items[i]);
196             container.appendChild(options.items[i]);
197         }
198
199         //for(item in options.items){
200         //container.appendChild(item);
201         //alert(item);
202         //}
203         return container;
204     }
205
206     function dropDownControl(options){
207         var container = document.createElement('DIV');
208         container.className = 'container';
209
210         var control = document.createElement('DIV');
211         control.className = 'dropDownControl';
212         control.innerHTML = options.name;
213         control.id = options.name;
214         var arrow = document.createElement('IMG');
215         arrow.src = "http://maps.gstatic.com/mapfiles/arrow-down.png";
216         arrow.className = 'dropDownArrow';
217         control.appendChild(arrow);
218         container.appendChild(control);
219         container.appendChild(options.dropDown);
220
221         options.gmap.controls[options.position].push(container);
222         google.maps.event.addDomListener(container, 'click', function(){
223             (document.getElementById('myddOptsDiv').style.display == 'block') ? document.getElementById('myddOptsDiv').
style.display = 'none' : document.getElementById('myddOptsDiv').style.display = 'block';
224             setTimeout( function(){
225                 document.getElementById('myddOptsDiv').style.display = 'none';
226             }, 1500);
227         })
228     }
229
230     function buttonControl(options) {
231         var control = document.createElement('DIV');
232         control.innerHTML = options.name;
233         control.className = 'button';
234         control.index = 1;
235
236         // Add the control to the map
237         options.gmap.controls[options.position].push(control);
238
239         // When the button is clicked pan to sydney
240         google.maps.event.addDomListener(control, 'click', options.action);
241         return control;

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242     }
243     </script>
244
245 </head>
246 <body>
247 <!-- hard coded version...if needed/desired
248
249 <div class="container">
250     <div class="dropDownControl" id="mddControl" title="A custom drop down select with mixed elements" onclick="(document.
251     getElementById('mddOptsDiv').style.display == 'block') ? document.getElementById('mddOptsDiv').style.display = 'none' :
252     document.getElementById('mddOptsDiv').style.display = 'block';">
253         My Box
254         
255     </div>
256     <div class="dropDownOptionsDiv" id="mddOptsDiv">
257         <div class="dropDownItemDiv" id="mOpt" title="This acts like a button or click event" onClick="alert('option1')">
258             Option 1
259         </div>
260         <div class="dropDownItemDiv" id="sOpt" title="This acts like a button or click event" onClick="alert('option2')">
261             Option 2
262         </div>
263         <div class="separatorDiv"></div>
264         <div class="checkboxContainer" title="This allows for multiple selection/toggling on/off" onclick="(document.
265         getElementById('tCheck').style.display == 'block') ? document.getElementById('tCheck').style.display = 'none' : document.
266         getElementById('tCheck').style.display = 'block';">
267             <span role="checkbox" class="checkboxSpan">
268                 <div class="blankDiv" id="tCheck">
269                     
270                 </div>
271             </span>
272             <label class="checkboxLabel">On/Off</label>
273         </div>
274         <div style="margin-top: 1px; margin-right: 0px; margin-bottom: 1px; margin-left: 0px; border-top-width: 1px; border-top-
275         -style: solid; border-top-color: rgb(235, 235, 235); display: none; "></div>
276     </div>
277 </div>
278 -->
279 <div id="map"></div>
280 </body>
281 </html>
```