

index.html

```
1 <!DOCTYPE html>
2 <html xmlns="http://www.w3.org/1999/xhtml">
3 <head>
4   <title>car</title>
5   <meta name="apple-mobile-web-app-capable" content="yes">
6   <meta name="viewport" content="width=device-width, initial-scale=1">
7
8   <link rel="stylesheet" href="Content/Lib/jquery.mobile-1.4.5.min.css">
9   <link rel="stylesheet" href="Content/style.css">
10
11   <script src="Scripts/Lib/jquery-1.11.1.min.js"></script>
12   <script src="Scripts/Lib/knockout-3.3.0.debug.js"></script>
13   <script src="Scripts/Lib/knockout.mapping-latest.js"></script>
14   <script src="Scripts/Lib/knockout.validation.js"></script>
15   <script src="Scripts/submit-configuration.js"></script>
16
17   <script src="Scripts/ko-init.js"></script>
18   <script src="Scripts/ko-initcustomhandlers.js"></script>
19
20   <script src="Scripts/Src-gen/app-viewmodel.js"></script>
21   <script src="Scripts/Src-gen/ko-initpagebinding.js"></script>
22
23   <script src="Scripts/jqm-init.js"></script>
24   <script src="Scripts/Lib/jquery.mobile-1.4.5.min.js"></script>
25
26 </head>
27 <body>
28   <div id="main" data-role="page" data-add-back-btn="true">
29     <div data-role="header">
30       <h1>
31         car
32       </h1>
33       <button class="ui-btn-right ui-icon-check ui-btn-icon-right ui-btn" onclick="submitconfiguration();">submit</button>
34     </div>
35
36     <div role="main">
37       <section class="description">
38         A configurator for a car
39       </section>
40       <section class="validationSection" data-bind="css:{showValidationSummary: !isModelValid()}">
41         <div class="validationSummary">
42           <h4>Validation summary</h4>
43           <ul data-bind="foreach: currentErrors">
44             <li><span data-bind="text: $data"> </span> </li>
45           </ul>
46         </div>
47       </section>
48
49       <ul data-role="listview">
50         <li>
51           <label for="length-param">length of car:</label>
52           <input data-bind="value: length.value, attr:{ min: length.boundedRange.lower, max: length.boundedRange.upper}" type="range" name="length" id="length-param">
53           <p class="validationMessage" data-bind="validationMessage: length.value"></p>
54         </li>
55         <li data-role="collapsible" data-bind="isExpanded: variant.isOn">
56           <h2><label for="variant-param">variant:</label></h2>
57
58           <select id="variant-param" data-bind="options: variant.choices, selectedOptions: variant.value,optionsCaption:'Choose...'">
59
60           </select>
61
62         </li>
63         <li>
64           <label for="engine-param">engine:</label>
65           <select id="engine-param" data-bind="options: engine.choices, selectedOptions: engine.value,optionsCaption:'Choose...'">
66
67           </select>
68           <p class="validationMessage" data-bind="validationMessage: engine.value"></p>
69
70         </li>
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71     <li data-role="collapsible" data-bind="isExpanded: fog_lights.isOn">
72       <h2>fog_lights:</h2>
73       <label data-bind="text: fog_lights.value()? 'on': 'off'"> <input type="checkbox" id="fog_lights-param" data-bind="checked: fog_lights.value"> </label>
74     </li>
75     <li data-bind="visible: group_seats().isVisible">
76       <a href="#seats">seats
77       <p class="validationMessage" data-bind="validationMessage: group_seats"></p></a>
78     </li>
79
80
81
82   </ul>
83 </div>
84 </div>
85
86 <div id="seats" data-role="page" data-bind="with: $root.group_seats">
87
88   <div data-role="header" data-add-back-btn="true">
89     <h1>
90       seats
91     </h1>
92     <button class="ui-btn-right ui-icon-check ui-btn-icon-right ui-btn" onclick="submitconfiguration();">submit</button>
93   </div>
94   <div role="main">
95     <section class="validationSection" data-bind="css:{showValidationSummary: !$root.isModelValid()}">
96       <div class="validationSummary">
97         <h4>Validation summary</h4>
98         <ul data-bind="foreach: $root.currentErrors">
99           <li><span data-bind="text: $data"> </span> </li>
100         </ul>
101       </div>
102     </section>
103     <ul data-role="listview" >
104       <li>
105         <label for="material-param">material:</label>
106         <select id="material-param" data-bind="options: material.choices, selectedOptions: material.value, optionsCaption: 'Choose...'">
107         </select>
108       </li>
109       <li data-role="collapsible" data-bind="isExpanded: colour.isOn">
110         <h2><label for="colour-param" >the seal colour:</label>
111         </h2>
112
113         <select id="colour-param" data-bind="options: colour.choices, selectedOptions: colour.value, optionsCaption: 'Choose...'">
114         </select>
115       </li>
116     </ul>
117   </div>
118 </div>
119 <!-- <a id='resultdialoglink' href="#resultdialog" data-transition="pop" style='display:none;'>Open dialog</a>
120 <div id="resultdialog" data-role="dialog" data-add-back-btn="true">
121   <div role="main">adsf</div>
122 </div>-->
123 </body>
124 </html>
125
```

app-viewmodel.js

```
1  var App = window.App = {};  
2  
3  App.ViewModel = ko.validatedObservable({  
4    /*showValidationSummary:ko.deferredPureComputed(function(){  
5      return !App.ViewModel.isValid() && App.ViewModel.errors.isAnyMessageShown();  
6    }),*/  
7    currentErrors:ko.observableArray([]),  
8    isModelValid: ko.deferredPureComputed(function()  
9    {  
10     var isValid= App.ViewModel.isValid();  
11  
12     App.ViewModel().currentErrors(App.ViewModel.errors());  
13     return isValid;  
14   },this),  
15   length:  
16   {  
17     boundedRange:{  
18       lower: 2,  
19       upper: 10  
20     },  
21     value : ko.observable()  
22       .extend({  
23         required: {params: true, message: "Length is required"}  
24       })//if Mandatory  
25   },  
26   variant:  
27   {  
28     choices: ['standard', 'sport', 'luxury'],  
29     value: ko.observable(/*set default if applies*/),  
30     isOn: ko.observable(false)  
31   },  
32   engine:  
33   {  
34     choices: ['TFSI 1.2', 'TFSI 1.4', 'TFSI 2.02'],  
35     value: ko.observable()  
36       .extend({  
37         validation: {  
38           validator: function (val, param) {  
39             if(App.ViewModel==null)//not initialized  
40               return true;  
41             //Expression here:  
42             var result =  
43             (  
44               $.inArray("TFSI 1.2", App.ViewModel().fog_lights.value()) > -1 ||  
45               $.inArray("TFSI 1.4", App.ViewModel().engine.value()) > -1  
46             ) ||  
47             $.inArray("sport", App.ViewModel().variant.value()) > -1  
48             return result;  
49           }  
50         },  
51         message: "validation error"
```

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52         })
53     },
54     fog_lights:
55     {
56         value: ko.observable(/*set default if applies*/),
57         isOn: ko.observable(false)
58     },
59
60     group_seats: ko.observable({
61         isVisible: ko.deferredPureComputed(function() {
62             //Example of evaluating value where value is pointing to enumeration where value will be in an array (select input element)
63             return $.inArray("standard", App.ViewModel().variant.value()) > -1;
64         }),
65         material:
66         {
67             choices: ['leather', 'cloth'],
68             value: ko.observable(/*set default if applies*/)
69         },
70         colour:
71         {
72             choices: ['red', 'blue', 'black'],
73             value: ko.observable(/*set default if applies*/),
74
75             isOn: ko.observable(false)
76         }
77     }).extend({
78         validation: {
79             validator: function (val, param) {
80                 if(App.ViewModel()==null)//not initialized
81                     return true;
82                 //Expression here:
83                 var result =
84                     $.inArray("leather", App.ViewModel().group_seats().material.value()) == -1 ||
85                     (
86                         $.inArray("red", App.ViewModel().group_seats().colour.value()) > -1 ||
87                         $.inArray("black", App.ViewModel().group_seats().colour.value()) > -1
88                     )
89                 return result;
90             },
91             message: "groups_seats invalid, leather can only have colour red, black"
92         }).extend({
93             validation: {
94                 validator: function (val, param) {
95                     if(App.ViewModel()==null)//not initialized
96                         return true;
97                     //Expression here:
98                     var result =
99                         $.inArray("cloth", App.ViewModel().group_seats().material.value()) == -1 ||
100                         (
101                             $.inArray("blue", App.ViewModel().group_seats().colour.value()) > -1 ||
102                             $.inArray("black", App.ViewModel().group_seats().colour.value()) > -1
103                         )
104                     return result;
105                 },
106                 message: "invalid seats: cloth can only be blue or black"
107             })

```

```
108
109 });
110
111 //Init special group validations, by resetting objects
112 App.ViewModel().group_seats(App.ViewModel().group_seats());
```