

```
1 This file was updated on Monday, 2012-10-29 at 11:51 AM
2
3
4 =====
5 Datalist.html
6 =====
7
8
9 <!DOCTYPE html>
10 <html lang="en">
11 <head>
12   <meta charset="utf-8">
13
14 <!--
15   File: D:\H-Drive\Texts\MacDonald-HTML5\Chapter 04\Datalist.html
16   from HTML5: The Missing Manual by Matthew MacDonald
17   formatted by Jesse M. Heines, UMass Lowell Computer Science, heines@cs.uml.edu
18   updated by JMH on October 29, 2012 at 10:59 AM
19 -->
20
21   <title>Zookeeper Form</title>
22   <link href="ZookeeperForm.css" rel="stylesheet">
23   <style>
24     .Label {
25       display: inline-block;
26       width: 125px;
27     }
28   </style>
29 </head>
30
31 <body>
32   <h1>Zoo Keeper Application Form</h1>
33   <form id="zooKeeperForm" action="#">
34     <p><i>Please complete the form. Mandatory fields are marked with a </i><em>*</em></p>
35     <fieldset>
36       <legend>What's Your Favorite Animal?</legend>
37       <datalist id="animalChoices">
38         <span class="Label">Pick an option:</span>
39         <select id="favoriteAnimalPreset">
40           <option label="Alpaca" value="alpaca">
41           <option label="Zebra" value="zebra">
42           <option label="Cat" value="cat">
43           <option label="Caribou" value="caribou">
44           <option label="Caterpillar" value="caterpillar">
45           <option label="Anaconda" value="anaconda">
46           <option label="Human" value="human">
47           <option label="Elephant" value="elephant">
48           <option label="Wildebeest" value="wildebeest">
49           <option label="Pigeon" value="pigeon">
50           <option label="Crab" value="crab">
51         </select>
52         <br>
53         <span class="Label">Or type it in:</span>
54       </datalist>
55       <input list="animalChoices" id="favoriteAnimal">
56     </fieldset>
57     <p><input type="submit" value="Submit Application"></p>
58   </form>
59 </body>
60 </html>
61
62
```

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63 =====
64 ProgressAndMeter.html
65 =====
66
67
68 <!DOCTYPE html>
69 <html lang="en">
70 <head>
71   <meta charset="utf-8">
72
73 <!--
74   File: D:\H-Drive\Texts\MacDonald-HTML5\Chapter 04\Datalist.html
75   from HTML5: The Missing Manual by Matthew MacDonald
76   formatted by Jesse M. Heines, UMass Lowell Computer Science, heines@cs.uml.edu
77   updated by JMH on October 29, 2012 at 11:22 AM
78 -->
79
80 <title>Progress and Meter</title>
81 <style>
82   body {
83     font-family: 'Palatino Linotype', serif;
84   }
85   h1 {
86     font-size: x-large;
87     margin-top: 20px;
88     margin-bottom: 0px;
89   }
90   p {
91     margin: 2px;
92   }
93   .separatedSection {
94     margin-top: 20px;
95   }
96 </style>
97 </head>
98
99 <body>
100 <h1>Progress Bars</h1>
101 Current progress: <progress max=100 value=50>50%</progress><br>
102 <!-- the following text is displayed if the browser does not support the HTML5 progress tag -->
103 Current progress: <progress>Task in progress...</progress>
104
105 <h1>Meters</h1>
106 Your suitcase weighs: <meter min="5" max="70" value="28">28 pounds</meter><br>
107 <!-- the following text is displayed if the browser does not support the HTML5 meter tag -->
108 Your suitcase weighs: <meter min="5" max="100" high="70" value="79">79 pounds</meter>*
109 <p><small>* A surcharge applies to suitcases heavier than 70 pounds.</small></p>
110
111 <div class="separatedSection">
112   <p>Our goal is to raise $50,000 for SLF (Save the Lemmings Foundation).</p>
113   <p>So far we've raised $14,000. <meter max="50000" value="14000"></meter></p>
114 </div>
115 </body>
116 </html>
117
118
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119 =====
120 ZooKeeperForm_Original.html
121 =====
122
123
124 <!DOCTYPE html>
125 <html lang="en">
126 <head>
127   <meta charset="utf-8">
128   <title>Zookeeper Form</title>
129
130 <!--
131   File: D:\H-Drive\Texts\MacDonald-HTML5\Chapter 04\ZooKeeperForm_Original.html
132   from HTML5: The Missing Manual by Matthew MacDonald
133   formatted by Jesse M. Heines, UMass Lowell Computer Science, heines@cs.uml.edu
134   updated by JMH on October 29, 2012 at 10:54 AM
135 -->
136
137   <link href="ZookeeperForm.css" rel="stylesheet">
138 </head>
139
140 <body>
141   <h1>Zoo Keeper Application Form</h1>
142   <form action="#">
143     <p><i>Please complete the form. Mandatory fields are marked with a <em>*/em></i></p>
144     <fieldset>
145       <legend>Contact Details</legend>
146       <label for="name">Name <em>*/em></label>
147       <input id="name"><br>
148       <label for="telephone">Telephone</label>
149       <input id="telephone"><br>
150       <label for="email">Email <em>*/em></label>
151       <input id="email"><br>
152     </fieldset>
153
154     <fieldset>
155       <legend>Personal Information</legend>
156       <label for="age">Age <em>*/em></label>
157       <input id="age"><br>
158       <label for="gender">Gender</label>
159       <select id="gender">
160         <option value="female">Female</option>
161         <option value="male">Male</option>
162       </select><br>
163       <label for="comments">When did you first know you wanted to be a zoo-keeper?</label>
164       <textarea id="comments"></textarea>
165     </fieldset>
166
167     <fieldset>
168       <legend>Pick Your Favorite Animals</legend>
169       <label for="zebra"><input id="zebra" type="checkbox"> Zebra</label>
170       <label for="cat"><input id="cat" type="checkbox"> Cat</label>
171       <label for="anaconda"><input id="anaconda" type="checkbox"> Anaconda</label>
172       <label for="human"><input id="human" type="checkbox"> Human</label>
173       <label for="elephant"><input id="elephant" type="checkbox"> Elephant</label>
174       <label for="wildebeest"><input id="wildebeest" type="checkbox"> Wildebeest</label>
175       <label for="pigeon"><input id="pigeon" type="checkbox"> Pigeon</label>
176       <label for="crab"><input id="crab" type="checkbox"> Crab</label>
177     </fieldset>
178     <p><input type="submit" value="Submit Application"></p>
179   </form>
180 </body>
181 </html>
182
183
```

```
184 =====
185 ZooKeeperForm_Revised.html
186 =====
187
188
189 <!DOCTYPE html>
190 <html lang="en">
191 <head>
192   <meta charset="utf-8">
193
194 <!--
195   File: D:\H-Drive\Texts\MacDonald-HTML5\Chapter 04\ZooKeeperForm_Revised.html
196   from HTML5: The Missing Manual by Matthew MacDonald
197   formatted by Jesse M. Heines, UMass Lowell Computer Science, heines@cs.uml.edu
198   updated by JMH on October 29, 2012 at 10:54 AM
199 -->
200
201 <title>Zookeeper Form</title>
202 <link href="ZookeeperForm.css" rel="stylesheet">
203 <script src="modernizr-1.7.min.js"></script>
204
205 <style>
206   textarea:required:invalid, input:required:invalid {
207     background-color: lightyellow;
208   }
209 </style>
210
211 <script>
212   function validateComments(input) {
213     if (input.value.length < 20) {
214       input.setCustomValidity("You need to comment in more detail.");
215     }
216     else {
217       // There's no error. Clear any error message.
218       input.setCustomValidity("");
219     }
220   }
221
222   function validateForm() {
223     if (!Modernizr.input.required) {
224       // The required attribute is not supported, so you need to check the
225       // required fields yourself.
226
227       // First, get an array that holds all the elements.
228       var inputElements = document.getElementById("zooKeeperForm").elements ;
229
230       // Next, move through that array, checking eaching element.
231       for ( var i = 0; i < inputElements.length; i++ ) {
232
233         // Check if this element is required.
234         if ( inputElements[i].hasAttribute( "required" ) ) {
235           // If this element is required, check if it has a value.
236           // If not, the form fails validation, and this function returns false.
237           if ( inputElements[i].value == "" ) {
238             alert( "Custom required-field validation failed. The form will not be submitted." ) ;
239             return false ;
240           }
241         }
242       }
243
244       // If you reach this point, everything worked out and the browser
245       // can submit the form.
246       return true;
247     }
248   }
249 </script>
250 </head>
```

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251
252 <body>
253 <h1>Zoo Keeper Application Form</h1>
254 <form id="zooKeeperForm" action="#" onsubmit="return validateForm()">
255 <p><i>Please complete the form. Mandatory fields are marked with a</i> <em>*</em></p>
256 <fieldset>
257 <legend>Contact Details</legend>
258 <label for="name">Name <em>*</em></label>
259 <input id="name" placeholder="Jane Smith" autofocus required><br>
260 <label for="telephone">Telephone</label>
261 <input id="telephone" placeholder="(xxx) xxx-xxxx"><br>
262 <label for="email">Email <em>*</em></label>
263 <input id="email" type="email" required><br>
264 </fieldset>
265
266 <fieldset>
267 <legend>Personal Information</legend>
268 <!--
269 JMH note on October 29, 2012 at 11:04 AM
270 The HTML5 calendar dropdown is not yet supported by Firefox 16.0.1.
271 It is supported by Google Chrome Version 22.0.1229.94 beta-m and Opera 11.61.
272 In Safari 5.1.7 on Windows, the date type yields a spinner initialized to the current date.
273 -->
274 <label for="birthDate">Birth Date <em>*</em></label>
275 <input id="birthDate" type="date" required><br>
276 <label for="age">Age <em>*</em></label>
277 <input id="age" type="number" min="0" max="120" step="0.1" required><br>
278 <label for="gender">Gender</label>
279 <select id="gender">
280 <option value="female">Female</option>
281 <option value="male">Male</option>
282 </select><br>
283 <label for="comments">When did you first know you wanted to be a zoo-keeper? <em>*</em></label>
284 <textarea id="comments" oninput="validateComments(this)" required></textarea>
285 </fieldset>
286
287 <fieldset>
288 <legend>Pick Your Favorite Animals</legend>
289 <label for="zebra"><input id="zebra" type="checkbox"> Zebra</label>
290 <label for="cat"><input id="cat" type="checkbox"> Cat</label>
291 <label for="anaconda"><input id="anaconda" type="checkbox"> Anaconda</label>
292 <label for="human"><input id="human" type="checkbox"> Human</label>
293 <label for="elephant"><input id="elephant" type="checkbox"> Elephant</label>
294 <label for="wildebeest"><input id="wildebeest" type="checkbox"> Wildebeest</label>
295 <label for="pigeon"><input id="pigeon" type="checkbox"> Pigeon</label>
296 <label for="crab"><input id="crab" type="checkbox"> Crab</label>
297 </fieldset>
298 <p><input type="submit" value="Submit Application"></p>
299 </form>
300 </body>
301 </html>
302
303

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304 =====
305 ElementEditing.html
306 =====
307
308
309 <!DOCTYPE html>
310 <html lang="en">
311 <head>
312   <meta charset="utf-8">
313
314 <!--
315   File: D:\H-Drive\Texts\MacDonald-HTML5\Chapter 04\ElementEditing.html
316   from HTML5: The Missing Manual by Matthew MacDonald
317   formatted by Jesse M. Heines, UMass Lowell Computer Science, heines@cs.uml.edu
318   updated by JMH on October 29, 2012 at 11:16 AM
319 -->
320
321 <title>Element Editing</title>
322 <style>
323   body {
324     font-family: 'Palatino Linotype', serif;
325   }
326   h1 {
327     font-size: large;
328   }
329   div {
330     margin-top: 15px;
331     margin-bottom: 20px;
332   }
333   button {
334     padding: 3px;
335   }
336   #editableElement {
337     background: #F0F0F0;
338     padding: 5px;
339   }
340 </style>
341
342 <script>
343   function startEdit() {
344     // Make the element editable.
345     var element = document.getElementById("editableElement");
346     element.contentEditable = true;
347   }
348   function stopEdit() {
349     // Return the element to normal.
350     var element = document.getElementById("editableElement");
351     element.contentEditable = false;
352
353     // Show the markup in a message box.
354     alert("Your edited content: " + element.innerHTML);
355   }
356 </script>
357 </head>
358
359 <body>
360 <h1>Editable &lt;div&gt; Below:</h1>
361 <div id="editableElement">You can edit this text, if you'd like.</div>
362 <div>
363   <button onclick="startEdit()">Start Editing</button>
364   <button onclick="stopEdit()">Stop Editing</button>
365 </div>
366 </body>
367 </html>
368
369
```

```
370 =====
371 PageEditing.html
372 =====
373
374
375 <!DOCTYPE html>
376 <html lang="en">
377 <head>
378   <meta charset="utf-8">
379
380 <!--
381   File: D:\H-Drive\Texts\MacDonald-HTML5\Chapter 04\PageEditing.html
382   from HTML5: The Missing Manual by Matthew MacDonald
383   formatted by Jesse M. Heines, UMass Lowell Computer Science, heines@cs.uml.edu
384   updated by JMH on October 29, 2012 at 11:16 AM
385 -->
386
387 <title>Page Editing</title>
388 <style>
389   body {
390     font-family: 'Palatino Linotype', serif;
391   }
392   h1 {
393     font-size: large;
394     margin-top: 20px;
395     margin-bottom: 1px;
396   }
397   iframe {
398     width: 600px;
399     height: 250px;
400   }
401   button {
402     padding: 3px;
403   }
404   #editedHTML {
405     width: 600px;
406     height: 250px;
407     border: darkgray 2px solid;
408     overflow: scroll;
409     overflow-x: hidden;
410   }
411 </style>
412 <script>
413   function startEdit() {
414     // Turn on design mode in the <iframe>.
415     var editor = document.getElementById("pageEditor");
416     editor.contentWindow.document.designMode = "on";
417   }
418   function stopEdit() {
419     // Turn off design mode in the <iframe>.
420     var editor = document.getElementById("pageEditor");
421     editor.contentWindow.document.designMode = "off";
422
423     // Display the edited HTML (just to prove it's there).
424     var htmlDisplay = document.getElementById("editedHTML");
425     htmlDisplay.textContent = editor.contentWindow.document.body.innerHTML;
426   }
427 </script>
428 </head>
429
430 <body>
431   <h1>Editable Page</h1>
432   <iframe id="pageEditor" src="ApocalypsePage_Revised.html"></iframe>
433   <div>
434     <button onclick="startEdit()">Start Editing</button>
435     <button onclick="stopEdit()">Stop Editing</button>
436   </div>
```

```
437
438     <h1>Edited HTML</h1>
439     <div id="editedHTML"></div>
440 </body>
441 </html>
442
443
444 =====
```