```
1
    <!DOCTYPE html>
    <html lang="en">
 3
    <head>
         <meta charset="utf-8">
 5
         <title>CNIT133 Homework 3 Part II</title>
 6
         <meta name="description" content="This is homework 3 Part 2 to compute seller's</pre>
         Commissions for 4 items">
 7
         <meta name="viewport" content="width=device-width, initial-scale=1">
 8
         <!-- external stylesheets -->
 9
         <link rel="stylesheet" type="text/css" href="hw3pt2style.css">
10
    </head>
11
    <body>
12
         <header class="header-background">
1.3
             <div class="header-container">
                 <a href="hw3.html" target=" self" class="header-text">CNIT 133 Homework 3 -
14
                 Functions</a>
15
                 <fiqure>
16
                      <a href="https://www.ccsf.edu/" target=" self">
17
                          <img src="ccsf ram.gif" alt="ccsf ram logo" width="139" class=</pre>
                          "right-image">
                     </a>
18
19
                 </figure>
20
             </div>
21
         </header>
22
23
         <div class="submenu-container">
24
             <nav>
25
                 <a href="hw3-description.html" target=" self" class="button-two">Description
26
                 <a href="hw3-part1.html" target=" self" class="button-two">Part I</a>
                 <a href="hw3-part2.html" target=" self" class="button-two">Part II</a>
2.7
                 <a href="hw3-extra-credit.html" target=" self" class="button-two">Extra
28
                 Credit</a>
29
             </nav>
30
         </div>
31
         <div class="hwk2box-box">
32
33
             <div>
34
                 <header class="title">Sales Commissions</header>
35
                 <div class="hwk2box">
                     <form id="inputForm">
36
37
                          <div class="nameBlock">
38
                              <label for="sellerName">Seller's Name:</label>
39
                              <input name="sellerName" type="text" id="sellerName" title="Name</pre>
                              for accounting purposes" class="nameField" value="" required>
40
                         </div>
41
42
                         <h4>&nbsp;&nbsp;For each item type the quantity sold by the seller
                            </h4>
43
44
                          <div class="itemBlock">
45
                              <label for="item1">Item 1:</label>
                              <input type="number" class="left" id="item1" title="All item</pre>
46
                              will default to 0 for non Number or negative value" name="item1"
                              data-item="1" min="0">
47
                              <br>
                              <label for="item2">Item 2:</label>
48
49
                              <input type="number" class="left" id="item2" title="All item</pre>
                             will default to 0 for non Number or negative value" name="item2"
                             data-item="2" min="0">
50
                             <hr>
51
                              <label for="item3">Item 3:</label>
52
                              <input type="number" class="left" id="item3" title="All item</pre>
                             will default to 0 for non Number or negative value" name="item3"
                              data-item="3" min="0">
53
54
                              <label for="item4">Item 4:</label>
```

```
55
                           <input type="number" class="left" id="item4" title="All item</pre>
                           will default to 0 for non Number or negative value" name="item4"
                           data-item="4" min="0"><br>
 56
 57
                           <div class="submit-reset">
 58
                               <div class="button-container">
 59
                                                                                                                                                                                                                                                                                                                                                                                        
                                   sp;  
 60
                                   <input type="submit" class="buttonSubmit" value="SUBMIT">
                                   <input type="reset" id="clearForm" class="buttonSubmit"</pre>
 61
                                   value="CLEAR FORM">
                               </div>
 62
                           </div>
 63
                        </div>
 64
 65
                    </form>
 66
                    <div class="output-box">
 67
                        68
                           69
                               Item #
                               Price
 71
                               Qty Sold
 72
                               Total
 73
                           74
                           75
                               1
 76
                               $20.99
 77
                               <input type="text" id="numSold1" class="numField"
                               readonly>
 78
                               <input type="text" id="total1" class="right-table"
                               readonly>
 79
                           80
                           81
                               2
 82
                               $12.75
 83
                               <input type="text" id="numSold2" class="numField"
                               readonly>
                               <input type="text" id="total2" class="right-table"
 84
                               readonly>
 85
                           86
                           87
                               3
 88
                               $9.95
                               <input type="text" id="numSold3" class="numField"
 89
                               readonly>
 90
                               <input type="text" id="total3" class="right-table"
                               readonly>
 91
                           92
                           >
 93
                               4
 94
                               $35.89
 95
                               <input type="text" id="numSold4" class="numField"
                               readonly>
 96
                               <input type="text" id="total4" class="right-table"</pre>
                               readonly>
 97
                           98
99
                        100
                                     &
                               nbsp;Total Amount Sold:
102
                               <input type="text" id="totalSold" class="right-table"
                               readonly>
                           103
104
                           105
```

```
          &
                                 106
                                 <input type="text" id="totalEarn" class="right-table"
                                 readonly>
107
                             </t.r>
108
                         109
                     </div>
                 </div>
110
111
             </div>
         </div>
112
113
114
          <article class="solution-box">
115
             <header>
116
                  <h2>Homework 3 Part I Function solution</h2>
117
             </header>
118
             <div class="solution-frame">
119
                 <iframe src="hw3pt2.pdf"></iframe>
120
             </div>
121
             <br><br><br>>
122
         </article>
123
124
          <footer>
125
             \langle br \rangle
126
             <figure>
127
                 <div class="footer-text-container">
128
                     <img src="op.jpg" alt="self" width="80" class="rounded-image">
129
                     Teresita Anselm<br>
130
                         City College of San Francisco <br >
131
                         tanselm@mail.ccsf.edu<br>
132
                 </div>
133
             </figure>
134
              Copyright of Teresita Anselm © 2023
135
         </footer>
136
137
         <!-- jQuery and JavaScript libraries for validation -->
138
          <script src="https://code.jquery.com/jquery-3.7.1.min.js"></script>
139
          <script src="https://code.jquery.com/ui/1.13.2/jquery-ui.js"></script>
140
          <script src=</pre>
          "https://cdn.jsdelivr.net/jquery.validation/1.16.0/jquery.validate.min.js"></script>
141
          <script src=</pre>
          "https://cdn.jsdelivr.net/jquery.validation/1.16.0/additional-methods.min.js"
         ></script>
142
143
          <script>
144
             // jQuery validation code
145
             jQuery.validator.setDefaults({
146
                 debug: false,
147
                 success: "valid",
                 errorClass: "error-text"
148
149
             });
150
151
             // Create an array of item field names
             var itemFields = ["item1", "item2", "item3", "item4"];
152
153
             var itemValidationMessages = {}
154
155
             // Create an object to store validation rules for all item fields
156
             // Create an object to store validation rules for all item fields
157
      var itemValidationRules = {};
158
159
      // Validation rules and messages for each item field
      for (var i = 1; i \le 4; i++) {
160
161
          var itemFieldName = "item" + i;
162
         itemValidationRules[itemFieldName] = {
163
             required: true,
164
             number: true,
165
             min: 0
166
         };
```

```
167
          itemValidationMessages[itemFieldName] = {
              required: "  Please enter a quantity for Item " + i + "!",
168
              //number: "Numbers only for Item " + i + "!",
169
170
              //min: "Positive number only for Item " + i + "!"
171
          };
172
      }
173
174
      // Add validation rule and message for sellerName
175
      itemValidationRules["sellerName"] = {
          required: true // Name required
176
177
      };
178
      itemValidationMessages["sellerName"] = {
179
          required: "    Please enter the seller's name!" // Customize message for name
180
181
182
      $("#inputForm").validate({
183
          rules: itemValidationRules,
184
          messages: itemValidationMessages,
185
          submitHandler: function (form) {
186
              updateItemTotals();
187
              sumCommission();
              return false; // Prevent form submission
188
189
190
      });
191
192
193
              $("#inputForm").validate({
194
                  rules: itemValidationRules,
195
                  messages: itemValidationMessages,
196
                  submitHandler: function (form) {
197
                      updateItemTotals();
198
                      sumCommission();
199
                      return false; // Prevent form submission
200
                  }
201
              });
202
              // Event listener for the "CLEAR FORM" button
203
              $('#clearForm').click(function () {
204
                  // Reset the form
205
206
                  $('#inputForm')[0].reset();
207
                  // Clear the calculated fields
208
                  $('.numField, .right-table').val('');
209
              });
210
211
212
              // Listen for changes in item1-4 fields
213
              $ (document).ready(function () {
214
                  $( document ).tooltip();
215
                  for (var i = 1; i \le 4; i++) {
216
                      $('#item' + i).on('input', function () {
217
                           var itemId = $(this).data('item'); // Get the item number from
                           data-item attribute
218
                           var quantity = parseFloat($(this).val()); // Parse the input value
                          as a float
219
                           if (!isNaN(quantity) && quantity > 0) {
220
                               // If the input is a valid positive number, update numSold1-4
                               with the valid quantity
221
                               $('#numSold' + itemId).val(quantity);
222
                           } else {
223
                               // If the input is not valid (negative or non-numeric), reset it
                               to 0
224
                               $ (this) .val('0');
225
                               $('#numSold' + itemId).val('0');
226
227
                          updateItemTotals(); // Recalculate item totals
228
                      });
229
                  }
```

```
230
              });
231
232
              // Function to update item totals
233
              function updateItemTotals() {
234
                  let prices = [20.99, 12.75, 9.95, 35.89];
235
                  for (var i = 1; i \le 4; i++) {
236
                      var itemId = i; // No need to get the data-item attribute again
237
                      var quantity = parseFloat($('#item' + i).val());
238
                      if (!isNaN(quantity) && quantity >= 0) {
239
                          var total = (quantity * prices[i - 1]).toFixed(2);
240
                          $('#total' + i).val('$' + total);
                      } else {
241
242
                          $('#total' + i).val('');
243
                      }
244
                  }
245
              }
246
247
              // Calculate and update the commission
248
              function sumCommission() {
249
                  var totalSales = 0;
250
251
                  // Loop through total1 to total4 and calculate the total sales
252
                  for (var i = 1; i \le 4; i++) {
253
                      var total = parseFloat($('#total' + i).val().replace('$', '')) || 0;
254
                      totalSales += total;
255
                  }
256
257
                  // Calculate the commission (9% of totalSales + 250)
258
                  var commission = (0.09 * totalSales) + 250;
259
260
                  // Update the totalSold and commission for seller
                  $('#totalSold').val('$ ' + totalSales.toFixed(2)); // Add the "$" symbol
261
                  before the totalSales value
262
                  $('#totalEarn').val('$ ' + commission.toFixed(2)); // Display with 2 decimal
                  places
263
              }
264
265
          </script>
266
     </body>
267
     </html>
268
```