```
1
     <!DOCTYPE html>
 2
     <html lang="en">
 3
     <head>
         <meta charset="utf-8">
 4
 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
         <link rel="stylesheet" href="https://jqueryvalidation.org/files/demo/site-demos.css">
         <link rel="stylesheet" type="text/css" href="hw3pt2style.css">
 8
 9
         <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.7.0/jquery.min.js"</pre>
         ></script>
10
         <script src=</pre>
         "https://cdn.jsdelivr.net/jquery.validation/1.16.0/jquery.validate.min.js"></script>
11
         <script src=</pre>
         "https://cdn.jsdelivr.net/jquery.validation/1.16.0/additional-methods.min.js"
         ></script>
12
     </head>
13
14
    <body>
15
         <header class="header-background">
16
             <div class="header-container">
                 <a href="hw3.html" target=" self" class="header-text">CNIT 133 Homework 3 -
17
                 Functions</a>
18
                 <figure>
19
                      <a href="https://www.ccsf.edu/" target=" self">
                          <img src="ccsf ram.gif" alt="ccsf ram logo" width="139" class=</pre>
                          "right-image">
21
                      </a>
22
                  </figure>
23
             </div>
2.4
         </header>
25
26
         <div class="submenu-container">
27
             <nav>
                 <a href="hw3-description.html" target=" self" class="button-two">Description
2.8
29
                 <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>
30
                  <a href="hw3-extra-credit.html" target=" self" class="button-two">Extra
31
                 Credit</a>
              </nav>
32
3.3
         </div>
34
35
         <div class="hwk2box-box">
36
             <div>
37
                  <header class="title">Sales Commissions</header>
38
                  <div class="hwk2box">
                      <form id="inputForm">
39
40
                          <hr>>
41
                          <label for="sellerName">Seller's Name:</label>
42
                          <input type="text" id="sellerName" class="nameField" value=""</pre>
                          required>
43
                          <br>
44
                          <h4>&nbsp;&nbsp;For each item type the quantity sold by the seller
                            </h4>
45
46
                          <label for="item1">Item 1: </label>
47
                          <input type="number" class="left" id="item1" name="item1" data-item=</pre>
                          "1" min="0">
48
                          <hr>
49
                          <label for="item2">Item 2: </label>
50
                          <input type="number" class="left" id="item2" name="item2" data-item=</pre>
                          "2" min="0">
51
                          <hr>>
                          <label for="item3">Item 3: </label>
52
53
                          <input type="number" class="left" id="item3" name="item3" data-item=</pre>
                          "3" min="0">
```

```
54
                        <br>
 55
                        <label for="item4">Item 4: </label>
 56
                        <input type="number" class="left" id="item4" name="item4" data-item=</pre>
                        "4" min="0"><br>
 57
 58
                        <div class="submit-reset">
 59
                           <div class="button-container">
 60
                                                                                                                                                                                                                                                                                                                                                                                    
                               nbsp; 
 61
                               <input type="submit" class="buttonSubmit" value="SUBMIT">
                               <input type="reset" id="clearForm" class="buttonSubmit" value</pre>
 62
                               ="CLEAR FORM">
 63
                           </div>
                        </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"</pre>
                               readonly>
                               <input type="text" id="total1" class="right-table"
78
                               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
 89
                               <input type="text" id="numSold3" class="numField"
                               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>
112
         </div>
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="hw3pt1.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
         <script>
138
             // jQuery validation code
139
             jQuery.validator.setDefaults({
140
                 debug: true,
                 success: "valid",
141
142
                 errorClass: "error-text" // Apply the "error-text" class to error messages
143
             });
144
145
             // Custom error message for the sellerName field
146
             var itemValidationMessages = {
147
                 "sellerName": "Please enter your name!"
148
             };
149
150
             // Create an array of item field names
151
             var itemFields = ["item1", "item2", "item3", "item4"];
152
153
             // Create an object to store validation rules for all item fields
154
             var itemValidationRules = {};
155
156
             // Validation rules and messages for each item field
             for (var i = 1; i <= 4; i++) {</pre>
157
158
                 var itemFieldName = "item" + i;
159
                 itemValidationRules[itemFieldName] = {
160
                     required: true,
161
                     number: true,
162
                     min: 0
163
164
                 itemValidationMessages[itemFieldName] = {
165
                     required: "Please enter a quantity for Item " + i + "!",
166
                     number: "Numbers only for Item " + i + "!",
167
                     min: "Positive number only for Item " + i + "!"
168
                 };
169
             }
```

```
171
              $("#inputForm").validate({
172
                  rules: itemValidationRules,
                  messages: itemValidationMessages,
173
                  submitHandler: function (form) {
174
                      // The form is valid, you can submit it here if needed.
175
176
                      // For now, let's update the item totals.
177
                      updateItemTotals();
178
                      sumCommission();
                      return false; // Prevent form submission
179
180
                  }
181
              });
182
183
              // Event listener for the "CLEAR FORM" button
              $('#clearForm').click(function () {
184
185
                  // Reset the form
186
                  $('#inputForm')[0].reset();
187
                   // Clear the calculated fields
                  $('.numField, .right-table').val('');
188
189
              });
190
191
              // Listen for changes in item1-4 fields
192
              $ (document).ready(function () {
193
                   for (var i = 1; i \le 4; i++) {
                       $('#item' + i).on('input', function () {
194
                           var itemId = $(this).data('item'); // Get the item number from
195
                           data-item attribute
196
                           var quantity = parseFloat($(this).val()); // Parse the input value
                           as a float
197
                           if (!isNaN(quantity) && quantity >= 0) {
198
                               // If the input is a valid positive number, update numSold1-4
                               with the valid quantity
199
                               $('#numSold' + itemId).val(quantity);
200
                           } else {
201
                               // If the input is not valid (negative or non-numeric), reset it
                               to 0 and clear numSold1-4
202
                               $ (this) .val('0');
203
                               $('#numSold' + itemId).val('');
204
205
                           updateItemTotals(); // Recalculate item totals
206
                      });
207
                  }
208
              });
209
210
              // Function to update item totals
211
              function updateItemTotals() {
212
                  let prices = [20.99, 12.75, 9.95, 35.89];
213
                   for (var i = 1; i \le 4; i++) {
                      var itemId = i; // No need to get the data-item attribute again
214
215
                      var quantity = parseFloat($('#item' + i).val());
216
                       if (!isNaN(quantity) && quantity >= 0) {
217
                           var total = (quantity * prices[i - 1]).toFixed(2);
218
                           $('#total' + i).val('$' + total);
219
                       } else {
220
                           $('#total' + i).val('');
221
                       }
222
                  }
223
              }
224
225
              // Calculate and update the commission
226
              function sumCommission() {
227
                  var totalSales = 0;
228
229
                  // Loop through total1 to total4 and calculate the total sales
230
                  for (var i = 1; i \le 4; i++) {
231
                      var total = parseFloat($('#total' + i).val().replace('$', '')) || 0;
232
                      totalSales += total;
```

170

```
233
                 }
234
235
                 // Calculate the commission (9% of totalSales + 200)
236
                 var commission = (0.09 * totalSales) + 200;
237
238
                 // Update the totalSold and commission for seller
                 $('#totalSold').val('$ ' + totalSales.toFixed(2)); // Add the "$" symbol
239
                 before the totalSales value
240
                 $('#totalEarn').val('$ ' + commission.toFixed(2)); // Display with 2 decimal
                 places
241
             }
242
         </script>
243 </body>
244 </html>
245
```