```
1
     <!DOCTYPE html>
 2
     <html lang="en">
 3
     <head>
 4
         <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
         <link rel="stylesheet" type="text/css" href="hw3pt2style.css">
 8
         <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.7.0/jquery.min.js"</pre>
         ></script>
 9
         <script src="https://code.jquery.com/jquery-1.11.1.min.js"></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>
                        <script src=</pre>
         "https://cdn.jsdelivr.net/jquery.validation/1.16.0/additional-methods.min.js"
         ></script>
12
13
    </head>
14
    <body>
15
         <header class="header-background">
16
             <div class="header-container">
17
                  <a href="hw3.html" target=" self" class="header-text">CNIT 133 Homework 3 -
                  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>
20
                          "right-image">
21
                      </a>
                  </figure>
22
23
             </div>
24
         </header>
25
26
         <div class="submenu-container">
27
             <nav>
                  <a href="hw3-description.html" target=" self" class="button-two">Description
2.8
                  \langle /a \rangle
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>
32
             </nav>
33
         </div>
34
         <div class="hwk2box-box">
3.5
36
             <div>
37
                  <header class="title">Sales Commissions</header>
38
                  <div class="hwk2box">
39
                      <form id="inputForm">
40
41
                          <label for="sellerName">Seller's Name:</label>
                          <input type="text" id="sellerName" class="nameField" value=""</pre>
42
                          required>
43
44
                          <h4>&nbsp;&nbsp;For each item type the quantity sold by the seller
                            </h4>
45
46
                          <label for="item1">Item 1: </label>
                          <input type="number" class="left" id="item1" name="item1" data-item=</pre>
47
                          "1" min="0">
48
                          <br>
49
                          <label for="item2">Item 2: </label>
                          <input type="number" class="left" id="item2" name="item2" data-item=</pre>
50
                          "2" min="0">
51
52
                          <label for="item3">Item 3: </label>
```

```
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
                             <div class="submit-reset">
 58
 59
                                 <div class="button-container">
 60
                                                                                                                                                                                                                                                                                                                                                                                           
                                      nbsp; 
 61
                                      <input type="submit" class="buttonSubmit" value="SUBMIT">
 62
                                      <input type="reset" id="clearForm" class="buttonSubmit" value</pre>
                                      ="CLEAR FORM">
 63
                                 </div>
                             </div>
 64
                        </form>
 65
 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>
 84
                                      <input type="text" id="total2" class="right-table"</pre>
                                      readonly>
 8.5
                                 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
                                 4
 93
 94
                                      $35.89
 95
                                      <input type="text" id="numSold4" class="numField"
                                      readonly>
                                      <input type="text" id="total4" class="right-table"
 96
                                      readonly>
 97
                                 98
                             99
100
                                 101
                                                                                                                                                                                                                                                                                                                                                                                           
                                      nbsp;Total Amount Sold:
102
                                      <input type="text" id="totalSold" class="right-table"
                                      readonly>
103
```

```
104
                            \langle t.r \rangle
105
                                          &
                                106
                                <input type="text" id="totalEarn" class="right-table"
                                readonly>
107
                            108
109
                     </div>
110
                 </div>
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="hw3pt2.pdf"></iframe>
120
             </div>
121
             <br><br><br>>
122
         </article>
123
124
         <footer>
125
             <br>
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>
                 </div>
132
133
             </figure>
134
             Copyright of Teresita Anselm © 2023
135
         </footer>
136
137
         <script>
138
             // jQuery validation code
139
             jQuery.validator.setDefaults({
140
                 debug: true,
141
                 success: "valid",
                 errorClass: "error-text" // Apply the "error-text" class to error messages
142
143
             });
144
145
             // Create an array of item field names
             var itemFields = ["item1", "item2", "item3", "item4"];
146
147
             var itemValidationMessages = {}
148
149
             // Create an object to store validation rules for all item fields
150
             var itemValidationRules = {};
151
152
             // Validation rules and messages for each item field
153
             for (var i = 1; i \le 4; i++) {
                 var itemFieldName = "item" + i;
154
                 itemValidationRules[itemFieldName] = {
155
156
                     required: true,
157
                     number: true,
158
                     min: 0
159
                 };
160
                     itemValidationMessages[itemFieldName] = {
161
                     required: "Please enter a quantity for Item " + i + "!",
162
                     number: "Numbers only for Item " + i + "!",
163
                     min: "Positive number only for Item " + i + "!"
164
                 };
165
             }
166
             $("#inputForm").validate({
167
```

```
168
                  rules: itemValidationRules,
169
                  messages: itemValidationMessages,
170
                  submitHandler: function (form) {
171
                       updateItemTotals();
172
                       sumCommission();
173
                       return false; // Prevent form submission
174
                  }
175
              });
176
177
              // Event listener for the "CLEAR FORM" button
178
              $('#clearForm').click(function () {
179
                  // Reset the form
180
                  $('#inputForm')[0].reset();
181
                  // Clear the calculated fields
182
                  $('.numField, .right-table').val('');
183
              });
184
185
              // Listen for changes in item1-4 fields
              $ (document).ready(function () {
186
                  for (var i = 1; i <= 4; i++) {</pre>
187
188
                       $('#item' + i).on('input', function () {
                           var itemId = $(this).data('item'); // Get the item number from
189
                           data-item attribute
190
                           var quantity = parseFloat($(this).val()); // Parse the input value
                           as a float
191
                           if (!isNaN(quantity) && quantity >= 0) {
192
                               // If the input is a valid positive number, update numSold1-4
                               with the valid quantity
193
                               $('#numSold' + itemId).val(quantity);
194
                           } else {
195
                               // If the input is not valid (negative or non-numeric), reset it
                               to 0 and clear numSold1-4
196
                               $ (this) .val('0');
197
                               $('#numSold' + itemId).val('');
198
199
                           updateItemTotals(); // Recalculate item totals
200
                       });
201
                  }
202
              });
203
              // Function to update item totals
204
205
              function updateItemTotals() {
206
                  let prices = [20.99, 12.75, 9.95, 35.89];
207
                   for (var i = 1; i \le 4; i++) {
208
                       var itemId = i; // No need to get the data-item attribute again
209
                       var quantity = parseFloat($('#item' + i).val());
210
                       if (!isNaN(quantity) && quantity >= 0) {
211
                           var total = (quantity * prices[i - 1]).toFixed(2);
212
                           $('#total' + i).val('$' + total);
213
                       } else {
214
                           $('#total' + i).val('');
215
                       }
216
                  }
217
              }
218
219
              // Calculate and update the commission
220
              function sumCommission() {
221
                  var totalSales = 0;
222
223
                  // Loop through total1 to total4 and calculate the total sales
                  for (var i = 1; i \le 4; i++) {
224
225
                       var total = parseFloat($('#total' + i).val().replace('$', '')) || 0;
226
                       totalSales += total;
227
                  }
228
229
                  // Calculate the commission (9% of totalSales + 200)
230
                  var commission = (0.09 * totalSales) + 200;
```

```
231
232
                  // Update the totalSold and commission for seller
                  $('#totalSold').val('$ ' + totalSales.toFixed(2)); // Add the "$" symbol
233
                  before the totalSales value
234
                  $('#totalEarn').val('$ ' + commission.toFixed(2)); // Display with 2 decimal
                  places
235
              }
236
          </script>
237
      </body>
238
      </html>
239
```