```
1
     <!DOCTYPE html>
 2
     <html lang="en">
 3
        <head>
 4
             <meta charset="utf-8">
 5
 6
             <title>CNIT133</title>
 7
      <!-- This is webpage that contains links to CNIT 133 Homework 6 - Objects -->
             <meta name="description" content="This is homework 6 main page for CNIT133 using</pre>
 8
             HTML5 and inline CSS">
 9
             <link rel="stylesheet" type="text/css" href="hw6style.css">
10
         </head>
11
12
         <body >
13
             <header style="background-color:#e33c3c">
14
                 <div class="header-container">
15
                     <a class="header-text" href="hw6.html" target=" self">CNIT 133 Homework
                     6 - Objects</a>
16
                     <figure>
17
                     <a href="https://www.ccsf.edu/" target=" self">
18
                     <img src="ccsf ram.gif" alt="ccsf ram logo" width="139" class=</pre>
                     "right-image">
19
                     </a>
20
                     </figure>
                 </div>
21
22
             </header>
23
             <div class="menu-container">
24
                 <nav>
25
                 <a href="index.html" target=" self" class="button">Course Basics</a>
26
                 <a href="hw2.html" target=" self" class="button">JS Basics</a>
27
                 <a href="hw3.html" target=" self" class="button">Functions</a>
                 <a href="hw4.html" target=" self" class="button">Looping Statements</a>
28
                 <a href="hw5.html" target=" self" class="button">Arrays</a>
29
                 <a href="hw6.html" target="_self" class="button">Objects</a>
30
31
                 <a href="hw7.html" target=" self" class="button">DOM and jQuery</a>
                 <a href="hw8.html" target=" self" class="button">Ajax Applications</a>
32
33
                 </nav>
             </div>
34
35
             <div class="submenu-container">
36
                 <div class="submenu-header">
37
                     Homework 6 Part:
                 </div>
38
39
                 <div class="submenu-button">
40
                 <nav>
41
                     <a href="hw6des.html" target=" self" class="button-two">Description</a>
                     <a href="hw6pt1.html" target=" self" class="button-two">Part I</a>
42
                     <a href="hw6pt2.html" target=" self" class="button-two">Part II</a>
43
                     <a href="hw6pt3.html" target=" self" class="button-two">Part III</a>
44
45
                 </nav>
                 </div>
46
47
            </div>
48
             <article>
49
                 <header>
50
                     <br>
51
                     <h2 style="color:brown">Homework 6 Instructions on Topic "Objects"</h2>
52
53
                 </header>
54
                 <section>
55
                 <h3>What you will do:</h3>
56
                 Create a main web page for Homework 6 with the following:
57
                     58
                         Heading CNIT 133 Homework 6 - Objects.
59
                         Hyperlink to Part 1 and a short summary of that part.
60
                         <1i>Hyperlink to Part 2 and a short summary of that part.
                         Hyperlink to Part 3 and a short summary of that part.
61
62
                         Hyperlink to go back to the main page of the course (Homework 1)
                         web page).</1i>
63
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64
                   <br>
               </section>
 65
 66
               <section>
 67
               <h3>Part I:</h3>
 68
               Create a web page with:
 69
               <111>
70
                   A heading that you can choose.
71
                   A form that will have:<br>
72
                          An input box for the user to enter a number
                      with 4 decimals. <br>
73
                      74
                          A button to clear the form. <br>
75
                          A textarea (or another element outside the
                      form - div or paragraph) where you will write the output/result. <br>
76
                          A hyperlink to go back to the main page of
                      Homework 6.<br>
77
                   78
                   <1i>If the user types a valid number (with 4 decimals and it is a
                   number), you will use Math.round, Math.sqrt, Math.floor, toFixed() to
                   obtain:<br>
                          A. Round the floating-point number to the
79
                      nearest integer. <br/> <br/> <br/>
                          B. Calculate the square root of the
 80
                      floating-point number and round it to an integer. <br>>
 81
                          C. Round the floating-point number to the
                      nearest tenths position. <br/> >
82
                          D. Round the floating-point number to the
                      nearest hundredths position. <br>
83
                          E. Round the floating-point number to the
                      nearest thousandths position. <br/> >
84
85
                   <1i>Present in the output/result area the original number typed by the
                   user and the results you found for each calculation requested above.
                   <br>
 86
               87
               </section><br>
88
89
90
               <section>
 91
               <h3>Part II:</h3>
 92
               Create a web page for part II with:
 93
               <l
94
                   A heading that you can choose.
95
                   A form with: <br>
96
                          A textarea to allow the user to type a long
                      content. <br>
97
                          An input box to allow the user to type only
                      one letter. <br>
98
                          An input box or textarea, or an element
                      outside the form (a div or paragraph) to present the output/result.
99
                           A hyperlink to go back to the main page of
                      Homework 6. <br>
                   100
101
102
               Write a script using some Script methods you learned, to solve the
               following:
103
               <l
104
                   The user will type whatever content he/she wants in the textarea for
                   the long content, and the user will also type a single character in the
                   input box you provided. <br>
105
                      When the user clicks the submit button, you will: <br/>
106
                          Search for the character the user typed
                      inside the content in the textarea and you will count how many times
                      this character is shown in the big content. <br/> <br/>br>
107
                          If the character is found, you will present
                      a message in the output/result area that says how many times the
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108
                             shows up in the content where X is the
                         single character typed by the user. <br/>
109
                              If the character is not found, you will
                        present a new window (using the window.open() method you learned),
                         the message: "Search character X not found<br>
110
                             in the content you typed", where X is the
                         single character typed by the user. <pr>
111
                     112
113
                 </section><br>
114
115
                 <section>
116
                 <h3>Part III:</h3>
117
                 Create a web page for part II with:
118
                 <l
119
                     A heading that you can choose.
120
                     <1i>An input box for the user to type the phone number.
                     <1i>3 input boxes where you will present the result/output (area code,
121
                     the first 3 digits of the phone number, the last 4 digits of the phone
                     number) .</1i>
122
                     A button to start the process.
123
                     A a button to start the process.
124
                     <1i>An element such as div or paragraph to present any error message you
                     need.
125
                     <1i>A hyper link to go back to the main page of Homework 6.
126
                 127
                 Create a script to resolve the following:
128
                 <l
129
                     <li>The user needs to type the telephone number, as a string, in this
                     format (999) 999-9999.
130
                     Use the String method split or the match group related to regex to
                     extract the area code; the first 3 digits of the phone number; and the
                     last 4 digits of the <br>
131
                        phone number.
                     <1i>>Display in the 3 input boxes (that are read-only) you provided in
132
                     the form, those separated numbers - ONLY THE NUMBERS, there should be no
                     parentheses, no hyphen!
133
                     <1i>If the user does not type the phone number in the exact format
                     requested, you should display in the other element (div or paragraph) an
                     error message that clarifies <br>
134
                         to the user how he should type the phone number and then, NONE OF
                         THE 3 READ-ONLY INPUT BOXES SHOULD PRESENT A RESULT. 
135
                     Use jQuery for extra credit.
                 136
137
                 </section><br><br>
138
             </article>
139
140
             <article class="solution-box">
141
                 <header>
142
                     <h2>Homework 6 Code Solution</h2>
143
                 </header>
                 <div class="solution-frame">
144
145
                 <iframe src="hw6.pdf"></iframe>
146
                 </div>
147
                 <br><br><br>>
148
             </article>
149
150
             <footer class="footCont">
151
                 <hr>>
152
                 <figure>
153
                 <div class="footer-text-container">
154
                     <img src="op.jpg" alt="self" width="80" class="rounded-image">
155
                     Teresita Anselm<br>
156
                     City College of San Francisco <br >
157
                     tanselm@mail.ccsf.edu<br>
158
                 </div>
```

character X <br>