CS134 Web Site Design & Development

Midterm Exam – Solution

(Part One)

I True or false questions (T for true, F for false; 2 points each, total 8 points)

1. Not every document/resource on the WWW needs to have an identifier in order to be accessed by others. [Answer: F]

2. In XHTML, all values of attributes have to be surrounded by quotes. [Answer: T]

3. <strong> is a block level element. [Answer: F]

4. If there is a CSS rule “p {font-size: 14px;}” in the external style sheet, and there is a CSS rule “p {font-size: 12px;}” in the internal style sheet, then the font-size of the text in a paragraph will be 14px. [Answer: F]

II Fill in the blanks. (total 22 points)

1. [3points] An XHTML document consists of three main parts, and they are _____doc type__, ______head__, and ______body__.

2. [2points] We use _____<blockquote>_____ tag for defining a long quotation.

3. [3points] CSS uses the Box Model when calculating the box properties. In the graph below, please indicate the properties represent the areas labeled as “a”, “b”, and “c”.

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**Additional Note:**

The image contains a detailed answer to the exam questions covering topics such as XHTML attributes, block level elements, CSS rules, and the structure of an XHTML document. Each question is clearly marked with its respective true or false answer, and the fill-in-the-blanks sections are completed with the necessary information.
4. [2points] In CSS, possible length units for value of “font-size” are ___pixel____ or ____em____. (or any two of px, em, ex, px, in, cm, mm, pt, pc)

5. [4points] The following is inside the body of an XHTML document:
   `<p>text</p>
   <ol>
     <li>item1</li>
     <li>item2</li>
   </ol>

I want to display both the paragraph and the list in “red” color using just a single CSS rule. Then my CSS rule should be
   ___answer 1:____.red { color: red; }
   ___answer 2:____p, ol { color: red; }
   ___answer 3:____* { color: red; }

(can use #f00 or #ff0000 for the color value)

If the XHTML above needs to be changed, then the new XHTML should be
(If CSS rule is answer 1, then the HTML will be modified as following)
   `<p class="red">text</p>
   <ol class="red">
     <li>item1</li>
     <li>item2</li>
   </ol>

(If CSS rule is answer 2 or answer 3, then don’t need to modify. There can be other answers to this question, as long as it satisfies the requirement)

6. [2points] The following is a list inside an XHTML document:
   `<ol>`
<li id="a1">item1</li>
<li id="a2">item2</li>
</ol>

And it uses the following CSS rules:

```css
#a1 {margin-bottom: 20px;}
#a2 {margin-top: 10px;}
```

Then when the list is displayed in a browser, the actual margin between “item1” and “item2” will be _20_ pixel.

7. [6points] Assume the following is the directory structure of my web site

1) To insert the “image2.jpg” into the web page “assign1.html”, I have to write the XHTML code
   ____ <img src="../images/image2.jpg" alt="image 2" /> ____ inside the body of “assign1.html”.

2) To add a link to “index.html” file with the link text “go to index” in “assign2.html”, I have to add the XHTML code
   ____ <a href="../index.html">go to index</a> ____ inside the body of “assign2.html” file.

3) If the code “<h3><a id="mainMenu"></a>Menu list</h3>” is inside the body of “index.html”, adding the following link code
   ____ <a href="../index.html#mainMenu">go to Menu list</a> (note: the link text doesn’t have to be “go to Menu list”) ____
   inside the body of “assign2.html” will take me to the text “Menu list” when I click on that link.
(Part Two)

Solution to this part will be posted on the course Web site.