44-563 Developing Web Applications and Services Fall 2014

Exam 1 Version A

Each question is worth 2 points.

1. The numbers contained in the tags <h1>, <h2> and <h3> indicate the order the tags are used in the HTML document.
   1. True
   2. **False**
2. A tag with a ‘/’ inside, (for example, </p>) indicates which of the following?
   1. a comment follows
   2. the end of scope for the **corresponding** tag
   3. nothing – the ‘/’ is not used in tags
   4. holds the location of a parameter
3. The primary function of cascading style sheets is to detach the style of a web page from HTML.
   1. *True*
   2. **False**
4. HTML can be used by both PCs and smartphones.
   1. **True**
   2. False
5. HTML ignores whitespace.
   1. **True**
   2. False
6. The <head> tag includes the <body> tag.
   1. True
   2. **False**
7. Which of the tags below would be used for a hyperlink?
   1. <**a**>
   2. <li>
   3. <link>
   4. <d>
8. Consider the following code:

<table border="1">

<tr>

<td>Name</td>

<td>Name</td>

<td>Age</td>

</tr>

</table>

How many rows are in this table?

* 1. **One**
  2. Two
  3. Three
  4. Four

1. An image tag is another name for a hyperlink.
   1. True
   2. **False**
2. The HTML tag for a paragraph is
   1. <**p>**
   2. <pg>
   3. <para>
   4. <pgh>
3. A reference to one particular class can be present only one time in an HTML document.
   1. True
   2. **False**
4. A reference to one particular id can be present only one time in an HTML document.
   1. **True**
   2. False
5. A cascading style sheet must include both a <head> and <body> tag.
   1. True
   2. **False**
6. A link to a CSS must be given in what portion of an HTML document.
   1. <title>
   2. <p>
   3. <**body**>
   4. <*head*>
7. It is considered good practice to include both style and content elements in an HTML document.
   1. True
   2. **False**
8. HTML5 includes most features of HTTP.
   1. **True**
   2. *False*
9. You can link a JavaScript or a style sheet to an HTML page, but not both.
   1. True
   2. **False**
10. JavaScript allows a user to modify HTML through events.
    1. True
    2. False
11. Which of the following tags are used to group elements of a web page into a section?
    1. <sect>
    2. <divide>
    3. <**sec**>
    4. <*div*>
12. Which of the following tags are used to group inline elements of a web page to make the style consistent?
    1. <sect>
    2. <*span*>
    3. <line>
    4. <**grp**>
13. JavaScript allows programmers to use the Java programming language on a web page.
    1. True
    2. False
14. Consider the following code:

.myFavorite {

color: blue;

font-weight: bolder;

}

The color “blue” will be applied to

* 1. the first occurance of the item with the “id” labeled *myFavorite*.
  2. all items **belonging** to the class *myFavorite*.
  3. the HTML file *myFavorite.html*
  4. nothing – colors are represented in hexadecimal code

1. The purpose of responsive web design is to allow web pages to react to events through JavaScript.
   1. True
   2. False
2. JavaScript is executed by
   1. a web service
   2. a browser
   3. a Java compiler
   4. none of the above
3. If a web page contains one or more elements that have class="44563”, how would you display all of these elements in the color pink?
   1. .**44563** { color: pink; }
   2. 44563 { color: pink; }
   3. #44563 { color: pink; }
4. Responsive web design is required in order for smart phones to access the web.
   1. True
   2. False
5. To put a border around a group of checkboxes in HTML, we use which of the following tags?
   1. <**fieldset**>
   2. <border-group>
   3. <group>
6. Which of the following is a proper description of HTTP?
   1. A precursor to HTML, that is now rarely used.
   2. A mechanism to present multiple HTML documents uniformly.
   3. A protocol that allows a web server to communicate with a client.
   4. An HTML title page.
7. You can use the getElementById() method in JavaScript to both retrieve and set the contents of an HTML element.
   1. *True*
   2. **False**
8. When using responsive web design, we designate text size in what unit?
   1. % or em
   2. pixels or points
   3. % only
   4. pixels only
9. Assume we are using this media query in CSS:  
   @media all and (min-width:400px) { h2 { color:pink; }}  
   Assume this is the entire CSS file. If the browser window is 300px wide, h2 headers are displayed in what color?
   1. pink
   2. black
10. With responsive web design, you can specify breakpoints according to the number of pixels in the browser window.
    1. True
    2. False
11. If a default font size is 12 pixels, what font size would 1em indicate?
    1. 1 pixel
    2. 6 pixels
    3. 12 pixels
    4. 18 pixels
12. The best practice for responsive web design is to include flexible attributes in the
    1. HTML
    2. HTTP
    3. CSS
    4. all of the above
13. What type of file is the following code most likely found in?

body {

font-size: 100%;

font-family: Cambria, serif;

}

* 1. **CSS**
  2. HTML
  3. JS
  4. HTTP

1. Cascading style sheets are never used to specify content.
   1. True
   2. False
2. It is considered good practice to use one cascading style sheet with multiple HTML documents.
   1. True
   2. False
3. A CSS can style all <h2> elements in an HTML document without identifying each specific element.
   1. True
   2. False
4. If we want an input box with id="theMainBox" to have the text “Hello” when a button is clicked, we write the following JavaScript code:
   1. document.getElementById(theMainBox) = ”Hello”;
   2. document.get(“theMainBox”).value = ”Hello”;
   3. document.setElementById(“theMainBox”) = ”Hello”;
   4. document.getElementById(“theMainBox”).value = ”Hello”;
5. JavaScript will allow you to set values of HTML elements, but not the style of the elements.
   1. True
   2. False
6. To set the color of an HTML heading with an id=”myHeading”, use the following code:
   1. document.getElementById("myHeading").style.color = "red";
   2. document.getElementById("heading").style.color = "red";
   3. document.getElementById(heading).style.color = "red";
   4. None of the above
7. Assume an HTML paragraph has id="myParagraph". To replace the contents of the paragraph with the string "your paragraph" using JavaScript, we write:
   1. document.getElementById("myParagraph") = "your paragraph";
   2. document.getElementById("myParagraph").contents = "your paragraph";
   3. document.getElementById("myParagraph").innerHTML = "your paragraph";
   4. document.getElementById("myParagraph").text = "your paragraph";
8. JavaScript has the following statements:
   1. looping statements
   2. conditional statements
   3. both looping and conditional statements
   4. neither looping nor conditional statements
9. The JavaScript <script> tag is included in which portion of HTML?
   1. <head>
   2. <body>
   3. both <head> and <body>
10. JavaScript allows a programmer to react to events.
    1. True
    2. False
11. Netbeans is an environment that provides editing of which types of files?
    1. JavaScript
    2. HTML and CSS
    3. All of the *above*
    4. **None** of the above
12. JavaScript is case-sensitive.
    1. **True**
    2. False
13. Comments can be inserted in JavaScript code using the following symbols:
    1. //
    2. \*\*
    3. #
    4. ..
14. JavaScript allows a programmer to create arrays.
    1. True
    2. False
15. JavaScript ignores whitespace within source code.
    1. True
    2. False