44-563 Developing Web Applications and Services Fall 2014

Exam 1 Version F

Each question is worth 2 points.

1. HTML can be used by PCs and smartphones.
   1. True
   2. False
2. A reference to one particular id can be present only one time in an HTML document.
   1. True
   2. False
3. 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
4. The primary function of cascading style sheets is to detach the style of a web page from HTML.
   1. True
   2. False
5. You can link both a JavaScript and a style sheet to a single HTML page.
   1. True
   2. False
6. An HTML document should include both a <head> and <body> tag.
   1. True
   2. False
7. HTML ignores whitespace.
   1. True
   2. False
8. An image tag is another name for a hyperlink.
   1. True
   2. False
9. A reference to one particular class can be present only one time in an HTML document.
   1. True
   2. False
10. The <head> tag precedes the <body> tag.
    1. True
    2. False
11. The HTML tag for a paragraph is
    1. <pg>
    2. <para>
    3. <pgh>
    4. <p>
12. 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. A link to a CSS must be given in what portion of an HTML document.
   1. <title>
   2. <p>
   3. <body>
   4. <head>
2. Which of the tags below would be used for a hyperlink?
   1. <a>
   2. <li>
   3. <link>
   4. <d>
3. A tag with a ‘/’ inside, (for example, </p>) indicates which of the following?
   1. a comment follows
   2. nothing – the ‘/’ is not used in tags
   3. the end of scope for the corresponding tag
   4. holds the location of a parameter
4. HTML5 includes most features of HTTP.
   1. True
   2. False
5. With responsive web design, you can specify breakpoints according to the number of pixels in the browser window.
   1. True
   2. False
6. 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>
7. 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; }
8. It is considered good practice to include both content and style elements in an HTML document.
   1. True
   2. False
9. JavaScript is executed by
   1. a browser
   2. a web service
   3. a Java compiler
   4. none of the above
10. Consider the following code:

.myFavorite {

color: blue;

font-weight: bolder;

}

The color “blue” will be applied to

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

1. When using responsive web design, we designate text size in what unit?
   1. % or em
   2. pixels or points
   3. % only
   4. pixels only
2. Which of the following tags are used to group inline elements of a web page to make the style consistent?
   1. <span>
   2. <sect>
   3. <line>
   4. <grp>
3. You can use the getElementById() method in JavaScript to both retrieve and set the contents of an HTML element.
   1. True
   2. False
4. The purpose of responsive web design is to allow web pages to react to events through JavaScript.
   1. True
   2. False
5. JavaScript allows programmers to use the Java programming language on a web page.
   1. True
   2. False
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. Responsive web design is required in order for smart phones to access the web.
   1. True
   2. False
8. JavaScript allows a user to modify HTML through events.
   1. True
   2. False
9. Which of the following tags are used to group elements of a web page into a section?
   1. <div>
   2. <sect>
   3. <divide>
   4. <sec>
10. 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";
11. Cascading style sheets are never used to specify content.
    1. True
    2. False
12. 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
13. 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
14. What type of file is the following code most likely found in?

body {

font-size: 100%;

font-family: Cambria, serif;

}

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

1. JavaScript will allow you to set values of HTML elements, but not the style of the elements.
   1. True
   2. False
2. The JavaScript <script> tag is included in which portion of HTML?
   1. <head>
   2. <body>
   3. both <head> and <body>
3. JavaScript is case-sensitive.
   1. True
   2. False
4. 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
5. A CSS can style all <h2> elements in an HTML document without identifying each specific element.
   1. True
   2. False
6. 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
7. JavaScript has the following statements:
   1. looping statements
   2. conditional statements
   3. neither looping nor conditional statements
   4. both looping and conditional statements
8. It is considered good practice to use one cascading style sheet with multiple HTML documents.
   1. True
   2. False
9. JavaScript allows a programmer to react to events.
   1. True
   2. False
10. To set the color of an HTML heading with an id=”myHeading”, use the following code:
    1. document.getElementById("heading").style.color = "red";
    2. document.getElementById(heading).style.color = "red";
    3. document.getElementById("myHeading").style.color = "red";
    4. None of the above
11. JavaScript allows a programmer to create arrays.
    1. True
    2. False
12. Comments can be inserted in JavaScript code using the following symbols:
    1. \*\*
    2. #
    3. //
    4. ..
13. JavaScript ignores whitespace within source code.
    1. True
    2. False
14. 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.getElementById(“theMainBox”).value = ”Hello”;
    3. document.get(“theMainBox”).value = ”Hello”;
    4. document.setElementById(“theMainBox”) = ”Hello”;