

Member ID: _____

Time: _____

Rank: _____



FUNDAMENTALS OF WEB DESIGN (415) REGIONAL 2024

CONCEPT KNOWLEDGE:

Matching (20 @ 10 points each) _____ (200 points)

APPLICATION KNOWLEDGE:

Application _____ (205 points)

TOTAL POINTS _____ (405 points)

Test Time: 90 minutes

GENERAL GUIDELINES:

Failure to adhere to any of the following rules will result in disqualification:

1. Member must hand in this test booklet and all printouts if any. Failure to do so will result in disqualification.
2. No equipment, supplies, or materials other than those specified for this event are allowed in the testing area. No previous BPA tests and/or sample tests (handwritten, photocopied, or keyed) are allowed in the testing area.
3. Electronic devices will be monitored according to ACT standards.

1. How many generic font groups do browsers recognize?
 - A. Three
 - B. Four
 - C. Five
 - D. Six
2. Which tag below will create an opening tag in HTML5?
 - A. <link>
 - B. <!DOCTYPE html>
 - C. <a>
 - D. <body>
3. This HTML tag is used to list navigation links for a website in HTML5.
 - A. <list>
 - B. <div id="id">
 - C. <nav>
 - D. None of the above
4. To embed a Flash Player, the object parameter is used to identify the video file to be played.
 - A. True
 - B. False
5. What type of font is used to display text formatted with the <th> tag?
 - A. Boldfaced
 - B. Italicized
 - C. Underlined
 - D. Colored
6. Objects of this kind extend beyond audio and video files.
 - A. Element
 - B. Embedded
 - C. Media
 - D. Streaming
7. For older browsers lacking support for the _____ audio element, they depend on plug-ins to play embedded media clips.
 - A. HTML
 - B. HTML3
 - C. HTML5
 - D. HTML7

8. Which of these can be chosen as a hotspot option?
- A. `<area shape="circle" coords="92, 82, 80" />`
 - B. `<area shape="rect" coords="235, 120, 310, 150" />`
 - C. `<area shape="poly" coords="12, 39, 12, 150, 190, 150" />`
 - D. All of the above
9. When generating a table caption, it is the norm for the caption to show up directly above the table, by default.
- A. True
 - B. False
10. Which of these elements are not essential to the visual presentation of a website?
- A. Accessibility
 - B. Layout
 - C. Animation
 - D. Usability
11. A _____ cell spans across multiple rows or columns within a table.
- A. Breadth
 - B. Full
 - C. Spanning
 - D. Columnar
12. Plugins are software applications that allow the browser to interact with embedded objects.
- A. True
 - B. False
13. For implementing styles to each element enclosed within the body element, the style rule employs a(n) _____ sector.
- A. Dash
 - B. Ampersand
 - C. Quote
 - D. Asterisk
14. What HTML tag is used to link an external style sheet to a web page?
- A. The `<embed` tag
 - B. The `<import` tag
 - C. The `<a` tag
 - D. The `<link` tag

15. Which protocol do web browsers use for transferring web pages?
 - A. http
 - B. pop
 - C. tcp
 - D. ftp
16. What do the two components of a style rule consist of?
 - A. Tags and Attributes
 - B. Tags and Properties
 - C. Values and Properties
 - D. Embedded Styles
17. What type of numbers express color values?
 - A. Binary Numbers
 - B. Decimal Numbers
 - C. Real Numbers
 - D. Hexadecimal Numbers
18. Which of the following is a feature of HTML5?
 - A. Requires the use of the elements of `<html>`, `<head>`, `<body>`
 - B. Streamlined DOCTYPE declaration (`<!DOCTYPE html>`)
 - C. Strict XML parsing (lowercase tags, closing tags)
 - D. No new semantic elements
19. What is the name for the primary communication method on the Internet that involves two sets of rules?
 - A. FIOS & DSL
 - B. Ports & Protocols
 - C. Packets & Hubs
 - D. TCP & IP
20. Among the following options, which does not belong to the three primary objectives of HTML5?
 - A. Specify unambiguously how browsers deal with invalid markup
 - B. Make HTML invalid and have a proprietary programming framework
 - C. Provide an open, nonproprietary programming framework
 - D. Be backwards compatible with the existing web

Application

During this exercise, you are only allowed to use **Notepad**. The use of any other type of text editor such as Notepad++ or web development tools such as Dreamweaver or Expression Web will result in immediate disqualification from this event.

A screen capture of the expected end result is included for your inspection and to be used as a guide for completing this exercise.

When complete, print all code generated for this exercise (HTML and Style Sheet). Also print a screen capture of your finished work as it appears in the web browser so that it may be used for grading purposes.

Your task is to regenerate the web page shown in the screen capture provided in this packet, using HTML5, CSS and the parameters specified below.

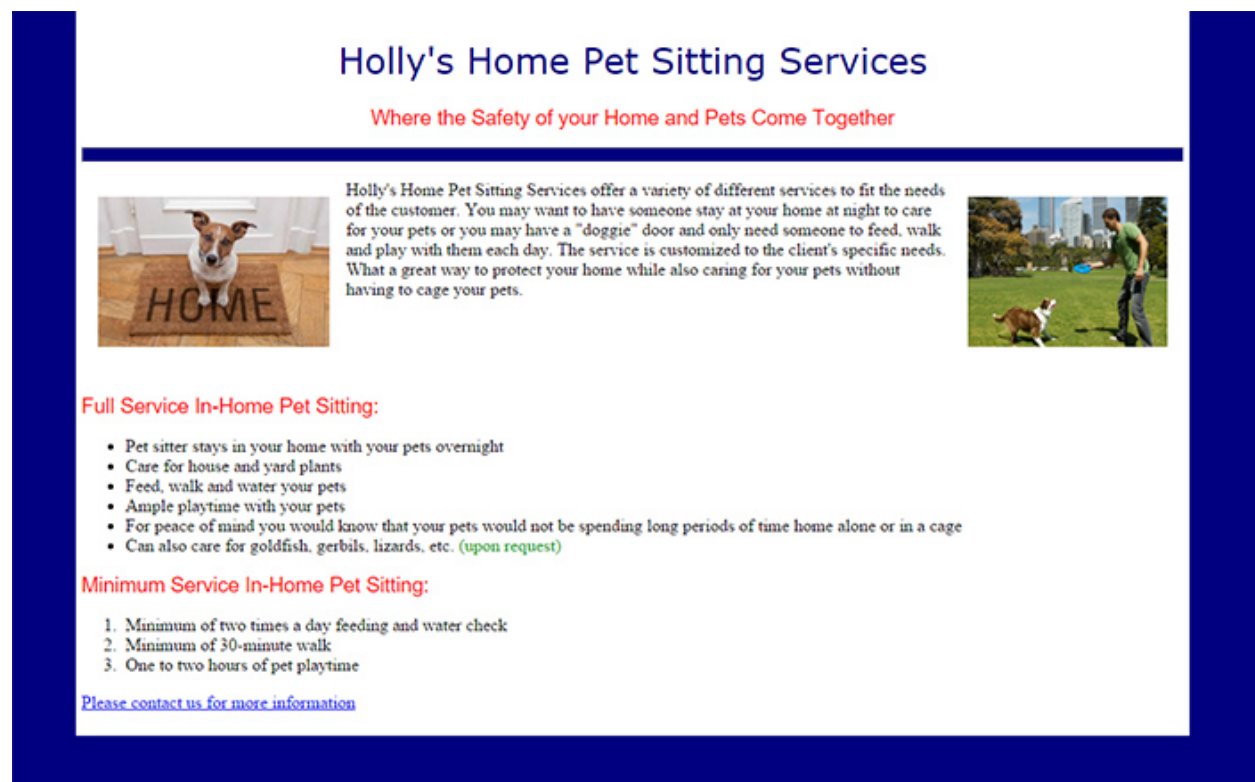
1. Overall Specifications
 - a. The documents must be valid HTML5
 - b. The documents must be styled with an external cascading style sheet
 - i. ALL styling *must* be done with the style sheet. Using tags or style attributes within tags is **PROHIBITED**.
 - c. The document **must not use tables** for any type of layout or positioning.
2. General Page Specifications
 - a. Title should have **Your Contestant Number – Fundamentals of Web Design**
 - b. Background color #000080
 - c. Text color #000
 - d. The width of the page body needs to be 1000px
 - e. The default font for the page body needs to be Times New Roman, serif
 - f. The default font size needs to be 12pt
 - g. The page should have top and bottom margins of 0 and the left and right margins should automatically be centered in the browser window
 - h. Images must have the following style attributes
 - i. Aligned to the Right or Left as shown in screen capture
 - ii. Padding 15px
 - i. The h1 headings must have the following style attributes:
 - i. “Verdana” with fall back to sans-serif
 - ii. Font size - 24pt
 - iii. Font color - #000080
 - iv. Font weight - normal

- j. The h2 headings must have the following style attributes:
 - i. “Arial” with fall back to sans-serif
 - ii. Font size -14pt
 - iii. Font color - #F00
 - iv. Font weight - normal
 - k. The horizontal rule must have the following style attributes:
 - i. Height of 12px
 - ii. Background color of #000080
 - l. Create a wrapper to hold all of the information on the page:
 - i. Width 1000px
 - ii. Padding of 5px
 - iii. Background color of #FFF
3. Page Content
- a. **Holly’s Home Pet Sitting Service** – h1 & centered
 - b. **Where the Safety of your Home and Pets Come Together** – h2 & centered
 - c. Insert a hard rule
 - d. Type the following paragraph
 - e. **Holly’s Home Pet Sitting Services offer a variety of different services to fit the needs of the customer. You may want to have someone stay at your home at night to care for your pets or you may have a “doggie” door and only need someone to feed, walk and play with them each day. The service is customized to the client’s specific needs. What a great way to protect your home while also caring for your pets without having to cage your pets.**
 - f. Insert the image home.jpg
 - i. Format the image to width = 210, height = 136
 - ii. Align the image to the left of the text
 - iii. Code the image to have alternate text of “Home with Pet”
 - g. Insert the image playtime.jpg
 - i. Format the image to width = 181, height = 136
 - ii. Align the image to the right of the text
 - iii. Code the image to have alternate text of “Playtime”
 - h. **Full Service In-Home Pet Sitting: - h2**
 - i. Type the following in a bulleted list:
 - i. **Pet sitter stays in your home with your pets overnight**
 - ii. **Care for house and yard plants**
 - iii. **Feed, walk and water your pets**
 - iv. **Ample playtime with your pets**
 - v. **For peace of mind you would know that your pets would not be spending long periods of time home alone or in a cage**
 - vi. **Can also care for goldfish, gerbils, lizards, etc. (upon request)**
 - 1. (upon request) must be formatted with green text - #090
 - j. **Minimum Service In-Home Pet Sitting: - h2**
 - k. Type the following numbered list

- i. **Minimum of two times a day feeding and water check**
 - ii. **Minimum of 30-minute walk**
 - iii. **One to two hours of pet playtime**
1. Link the follow words “Please contact us for more information” to the e-mail address “information@hollyshomepetsitting.com.”

When finished creating the website, print the code and the screen capture of the browser page.
Turn in all printouts and testing materials to your proctor.

Sample Screen Capture



HTML	Point Value	Score
Correct DOCTYPE declaration	5	
<head> tag properly placed & used	5	
<title> tag includes contestant's BPA membership number	5	
<link> tag reference to a CSS style sheet	5	
<body> tag has no attributes	5	
<h1> Holly's Home Pet Sitting Services and text centered on page	5	
<h2> Where the Safety of Your Home and Pets Come Together and text centered	5	
<hr/> Used for hard rule	5	
<h2> used for headings "Full Service In-Home Pet Sitting" & "Minimum Service In-Home Pet Sitting"	5	
Home image aligned to the left of the text	5	
Home image width = 210 & height = 136	5	
Playtime image aligned to the right of the text	5	
Playtime image width = 181 & height = 136	5	
Correct coding for bulleted list	5	
Correct coding for numbered list	5	
"Please contact us for more information" is formatted as an e-mail link to information@hollyshomepetsitting.com	5	
All information is inside a wrapper or container (could have different name)	5	
HTML TOTAL	85	
CSS		
Style Sheet is external	5	
body { width: 1000px	5	
body { font: 12pt Times New Roman, serif	5	
body { margin: 0 auto (or 0 auto 0 auto)	5	
body { background-color: #000080	5	
body { color: #000 (#000000)	5	
#wrapper { width: 1000px	5	
#wrapper {background-color: #fff	5	
#wrapper {padding: 5px	5	
h1 { font-size: 24pt	5	
h1 { font-family: Verdana, sans-serif	5	
h1 { color: #000080	5	
h1 { font-weight: normal	5	
h2 {font-size: 14pt	5	
h2 {font-family: Arial, sans-serif	5	
h2 { color: #f00	5	
h2 { font-weight: normal	5	
Class Styles – can be named differently		

.AlignLeft {float: left; padding: 15px	5	
.AlignRight {float: right; padding: 15px	5	
.TextCenter {text-align: center	5	
.green {color: #090 (used to style the green text)	5	
CSS TOTAL	105	
FORMATTING	Point Value	Score
Deduct 5 points for each discrepancy, up to 15 points.	15	
Application Total	205	
Objective Total		
EVENT TOTAL (405 possible points)		