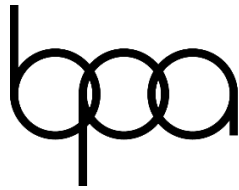


Contestant ID: _____

Time: _____

Rank: _____



**BUSINESS
PROFESSIONALS
of AMERICA**
Giving Purpose to Potential

FUNDAMENTALS OF WEB DESIGN

(415)

REGIONAL 2026

CONCEPT KNOWLEDGE:

Multiple Choice (25 @ 10 points each) _____ (250 points)

APPLICATION KNOWLEDGE:

Application _____ (350 points)

TOTAL POINTS _____ **(600 points)**

Test Time: 90 minutes

GENERAL GUIDELINES:

Failure to follow any of these rules may result in disqualification:

1. **Submission Requirements:** Contestants must submit this test booklet along with any printouts.
2. **Permitted Items:** Only the equipment, supplies, and materials specified for this event are allowed in the testing area. Previous BPA tests and sample tests (whether handwritten, photocopied, or typed) are not permitted.
3. **Electronic Devices:** Electronic devices will be monitored according to ACT standards.

EXAM GUIDELINES:

1. **Follow Instructions:** Complete all jobs according to the instructions given.
2. **Correct Errors:** Fix any formatting, spelling, or grammar mistakes. Use the formatting guide in the *Style & Reference Manual*.
3. **No Names:** Do not put your name or initials on any work you submit. Use your Contestant ID instead of your reference initials.
4. **Label Your Work:** In the lower right-hand corner of all submitted work (unless specified otherwise), write your Contestant ID and job number.
5. **Finish Early:** If you finish before the time is up, let the proctor know. Finishing time may be used to break ties.
6. **Organize Your Submission:** Place your scoring sheet on top of your jobs. Arrange the jobs in numerical order.

Multiple Choice Questions

Directions: Identify the letter of the choice that best completes the statement or answers the question.

1. What does HTML stand for?
 - A. Hypertext Makeup Language
 - B. Hypertext Markup Language
 - C. Hyperlink Text Markup Language
 - D. Hyperlinking Text and Marking Language
2. Which tag is used for creating hyperlinks in HTML?
 - A. <link>
 - B. <a>
 - C. <href>
 - D.
3. In HTML, which tag is used to insert a line break?
 - A. <lb></lb>
 - B. <break></break>
 - C.

 - D. <hr />
4. Which file extension is commonly used for modern HTML files?
 - A. .htm
 - B. .txt
 - C. .html
 - D. .doc
5. Which of the following is the correct way to create a comment in HTML?
 - A. <!-- comment -->
 - B. // comment
 - C. /* comment */
 - D. ** comment **
6. What is the main function of CSS in web design?
 - A. Defining <body> and <head> structure
 - B. Applying visual styles like color and margin
 - C. Writing functions in <script> tags
 - D. Adding SSL/TLS encryption
7. What does CSS stand for?
 - A. Computer Style Sheets
 - B. Cascading Style Sheets
 - C. Creative Style Sheets
 - D. Color Style Sheets

8. Which CSS would change text color to white?
 - A. color: white;
 - B. text-color: white;
 - C. font-color: white;
 - D. background-color: white;
9. Which HTML attribute is used to define inline styles?
 - A. style
 - B. css
 - C. class
 - D. font
10. In CSS, which property is used to change the background color of an element to blue (#006ee6)?
 - A. bgcolor: #006ee6;
 - B. background-color: #006ee6;
 - C. color: #006ee6;
 - D. bg-color: #006ee6;
11. Which HTML tag is used to display an image?
 - A. <image>
 - B.
 - C. <pic>
 - D. <picture>
12. Which tag is used to add a title to a webpage?
 - A. <meta>
 - B. <title>
 - C. <head>
 - D. <header>
13. What CSS property is used to create an unordered list with 3 columns?
 - A. column-count: 3;
 - B. column: 3;
 - C. table-columns: 3;
 - D. list-columns: 3;
14. Which unit is commonly used for specifying responsive design in CSS?
 - A. pt
 - B. px
 - C. em
 - D. cm

15. In HTML, which attribute is used to define the source of an image?
 - A. href
 - B. src
 - C. link
 - D. Ref
16. Which CSS selector is used to select elements with a specific class?
 - A. #className
 - B. .className
 - C. class=className
 - D. .class-Name
17. What does <div> tag represent in HTML?
 - A. A division or section
 - B. A paragraph
 - C. A heading
 - D. A link
18. What is the default display property for <div> elements?
 - A. inline
 - B. block
 - C. none
 - D. flex
19. What is the correct syntax for linking an external CSS file in HTML?
 - A. <link href="style.css" type="stylesheet">
 - B. <link rel="stylesheet" href="style.css">
 - C. <stylesheet src="style.css">
 - D. <style src="style.css">
20. What is the purpose of the <footer> element in HTML?
 - A. To define navigation links
 - B. To define the page footer
 - C. To style the page
 - D. To add a heading
21. Which tag is used to create a table row in HTML?
 - A. <row>
 - B. <table>
 - C. <tr>
 - D. <td>
22. Which CSS property is used to change the text alignment?
 - A. align
 - B. text-align
 - C. text-style
 - D. font-align

23. Which tag is used for a horizontal rule in HTML?
- A. <line>
 - B. <hr>
 - C.

 - D. <rule>
24. In CSS, what is the font-family property used for?
- A. To define font color
 - B. To set the font size
 - C. To define font style
 - D. To set the font type
25. Which CSS property is used to add space inside an element's border?
- A. margin
 - B. padding
 - C. border-spacing
 - D. spacing

APPLICATION

During this exercise, you are only allowed to use Notepad.

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.

Project: Katrina's Cupcakes

Specifications

1. Overall Specifications:
 - The document must be valid HTML5.
 - All styling should be done through an external CSS file (no inline styles or <style> tags allowed).
 - The layout and positioning should avoid using tables.
2. General Page Specifications:
 - Title: "Contestant Number – Fundamentals of Web Design"
 - Background Color: #FFC0CB (soft pink)
 - Text Color: #333 (dark gray)
 - Page Width: 1000px
 - Font: Times New Roman, serif for the body
 - Font Size: 12pt for the body text
 - Margins: Top and bottom margins set to 0; left and right margins centered.

- Image Alignment: Align images to the left or right as specified.
 - Heading Styles:
 - H1: Font-family "Verdana", sans-serif; Font size 24pt; Font color #FF69B4 (bright pink); Font weight normal.
 - H2: Font-family "Arial", sans-serif; Font size 14pt; Font color #FF1493 (deep pink); Font weight normal.
 - Horizontal Rule: Height of 12px with a background color of #FF69B4.
 - Wrapper: Create a wrapper div to hold the content with a width of 1000px, padding of 5px, and background color #FFF (white).
3. Page Content:
- Header:
 - H1: "Katrina's Cupcakes" (centered).
 - H2: "Where Sweetness Meets Creativity" (centered).
 - Horizontal Rule
 - Paragraph:
 - "Katrina's Cupcakes offers a variety of delectable cupcakes and treats, perfect for any occasion. Whether you need a custom design for a birthday, a wedding, or a corporate event, we're here to make your sweet dreams come true! Our ingredients are top-quality, and each cupcake is crafted with love and care."
 - Images:
 - cupcake1.png: Width 210px, height 210px, with alt text "Cupcake Display". Identify the image with an ID "cp1", float: left; margin: 0 0 15px;
 - cupcake2.png: Width 210px, height 210px, with alt text "Cupcake Decorating". Identify the image with an ID "cp2", float: right; margin: 0 0 15px;
 - Service Sections:
 - Full Service Cupcake Catering: (h2)
 - Bulleted list of services:
 - Custom cupcake designs for all occasions
 - Freshly baked cupcakes delivered to your venue
 - Options for vegan, gluten-free, and sugar-free recipes
 - Setup and display service included
 - "Upon request" (this text should be green with color #090)
 - Minimum Order Service: (h2)
 - Numbered list, margin-left: 350px:
 - Minimum order of two dozen cupcakes
 - Variety of flavors in each batch
 - Customizable frosting colors and toppings
 - Contact: Link the phrase "Please contact us for more information" to katrina@cupcakery.com.
- When finish 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



APPLICATION RUBRIC

Category	Criteria	Points
Header Structure	Proper use of <h1> and <h2> tags, centered, with specified fonts/colors.	20
Hero Section	<h1> and <h2> styled and centered as specified.	20
Main Content	Wrapper div with correct width, padding, background color.	15
Images	Cupcake images aligned left/right, correct size, alt text, and IDs.	20
Service Sections	Bulleted and numbered lists, correct formatting, margin, and colors.	30
Special Formatting	“Upon request” text is green; email link is styled and functional.	20
Horizontal Rule	12px height, bright pink background, no border.	10
CSS Styling	All styles in external CSS file; correct fonts, colors, margins, and layout.	25
Accessibility	Images have alt text; form fields labeled (if present).	10
Code Quality	Clean, well-organized, commented code; no unnecessary redundancy.	15
Creativity and Design	Cohesive, visually appealing, communicates the theme.	20
Accuracy	All text typed correctly, located in correct place (all or none).	15