



**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.

## 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:
  - o The document must be valid HTML5.
  - o All styling should be done through an external CSS file (no inline styles or <style> tags allowed).
  - o The layout and positioning should avoid using tables.
2. General Page Specifications:
  - o Title: "Contestant Number – Fundamentals of Web Design"
  - o Background Color: #FFC0CB (soft pink)
  - o Text Color: #333 (dark gray)
  - o Page Width: 1000px
  - o Font: Times New Roman, serif for the body
  - o Font Size: 12pt for the body text
  - o Margins: Top and bottom margins set to 0; left and right margins centered.
  - o Image Alignment: Align images to the left or right as specified.
  - o 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.
  - o Horizontal Rule: Height of 12px with a background color of #FF69B4.
  - o 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:
  - o Header:
    - ♣ H1: "Katrina's Cupcakes" (centered).
    - ♣ H2: "Where Sweetness Meets Creativity" (centered).
  - o Horizontal Rule
  - o 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."

- o Images:
  - ♣ cupcake1.png: Width 210px, height 210px, with alt text "Cupcake Display". Identify the image with an ID "cp1", float: left; margin: 0 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 0 15px;
- o Service Sections:
  - ♣ Full Service Cupcake Catering: (h2)
    1. 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)
    1. 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](mailto: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***Multiple Choice Questions**

1	B
2	B
3	C
4	C
5	A
6	B
7	B
8	A
9	A
10	B
11	B
12	B
13	A
14	C
15	B
16	B
17	A
18	B
19	B
20	B
21	C
22	B
23	B
24	D
25	B

## 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



**HTML**

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Contestant Number – Fundamentals of Web Design</title>
  <link rel="stylesheet" href="styles.css">
</head>
<body>
  <div class="wrapper">
    <h1>Katrina's Cupcakes</h1>
    <h2>Where Sweetness Meets Creativity</h2>
    <hr>
    
    
    <p>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.</p>
    <h2>Full Service Cupcake Catering:</h2>
    <ul>
      <li>Custom cupcake designs for all occasions</li>
      <li>Freshly baked cupcakes delivered to your venue</li>
      <li>Options for vegan, gluten-free, and sugar-free recipes</li>
      <li>Setup and display service included</li>
      <li>Special orders available <span class="green-text">(upon request)</span></li>
    </ul>
    <h2>Minimum Order Service:</h2>
    <ol>
      <li>Minimum order of two dozen cupcakes</li>
      <li>Variety of flavors in each batch</li>
      <li>Customizable frosting colors and toppings</li>
    </ol>
    <p><a href="mailto:katrina@cupcakery.com">Please contact us for more information</a></p>
  </div>
</body>
</html>

```

## CSS

```
/* General Styles */
body {
  background-color: #FFC0CB; /* Soft pink */
  color: #333; /* Dark gray */
  font-family: "Times New Roman", serif;
  margin: 0;
  padding: 0;
}

/* Wrapper to center content */
.wrapper {
  width: 1000px;
  margin: 0 auto;
  padding: 5px;
  background-color: #FFF; /* White background for content */
}

/* H1 styling */
h1 {
  font-family: "Verdana", sans-serif;
  font-size: 24pt;
  color: #FF69B4; /* Bright pink */
  text-align: center;
  font-weight: normal;
}

/* H2 styling */
h2 {
  font-family: "Arial", sans-serif;
  font-size: 14pt;
  color: #FF1493; /* Deep pink */
  text-align: center;
  font-weight: normal;
}

/* Paragraph styling */
p {
  font-size: 12pt;
}

/* Horizontal Rule Styling */
hr {
  height: 12px;
  background-color: #FF69B4; /* Matches H1 color */
  border: none;
}
```



```
/* Image styling */
img {
  padding: 15px;
}

/* Left-aligned image */

#cp1 {
  float: left;
  margin: 0 0 0 15px;
}

/* Right-aligned image */
#cp2 {
  float: right;
  margin: 0 0 0 15px;
}

/* List styling */
ul {
  font-size: 12pt;
  margin-left: 20px;
}

ol {
  font-size: 12pt;
  margin-left: 350px;
}

/* Green text styling for "upon request" */
.green-text {
  color: #090; /* Dark green */
}

/* Link styling */
a {
  color: #333;
  text-decoration: underline;
}
```