Fundamentals Of Web Design

(415)

STATE 2025

Production:

Multiple Choice (25 @ 2 points each)	_____	(50 points)
Application	_____	(290 points)
TOTAL POINTS	_____	(340 points)

Test Time: 90 minutes

MULTIPLE CHOICE

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

APPLICATION

You are tasked with creating a single-page website for a fictional catering company called **"Gourmet Delight Catering"**. The company specializes in providing gourmet catering services for events, with a focus on using high-quality, fresh ingredients. The webpage should be designed using modern web development practices, including Flexbox, Grid layout, responsive design principles, and CSS3 transitions. Participants must create a visually appealing, user-friendly, and responsive website that highlights the company's dedication to exquisite food and exceptional service.

Requirements:
1. **Website Structure:**
   o **Header:**
     ▪ The header must include the company's logo (image name: gourmet-logo.png) centered at the top, with navigation links below it. Flexbox should be used to ensure proper alignment.
     ▪ The navigation should consist of the following links:
       ▪ About Us
       ▪ Services
       ▪ Menus
       ▪ Contact Us
     ▪ The header background color should be a rich burgundy (800020) with white text. Navigation links should have hover effects, changing the text color to a lighter shade.

- o **Hero Section:**
  - The hero section should feature a full-width background image (hero-catering.jpg) with overlay text centered both vertically and horizontally. The text should include:
    - **Tagline:** "Indulge in Culinary Excellence"
    - **Subtext:** "Exceptional Catering for Every Occasion"
  - Use absolute positioning and text-shadow to ensure the text is readable over the image.
- o **Main Content Sections:**
  - **About Us Section:**
    - This section should use a two-column layout with an image (about-us.jpg) on the left and text on the right. The text should include:
      - **Title:** "Our Story"
      - **Text:** "Gourmet Delight Catering has been delighting clients with exceptional catering services for over 20 years. Our chefs are passionate about creating exquisite dishes using the freshest ingredients, ensuring that every event is a memorable culinary experience. From intimate gatherings to grand celebrations, we tailor our services to meet your unique needs."
  - **Services Section:**
    - Display three core services using a three-column grid layout. Each service should include:
      - A relevant image (e.g., wedding-catering.jpg, corporate-catering.jpg, private-party-catering.jpg).
      - The service title and description. For example:
        - **Wedding Catering:** "Create the perfect culinary experience for your special day with our bespoke wedding catering services. We work with you to design a menu that reflects your tastes and impresses your guests."
        - **Corporate Catering:** "Elevate your business events with our corporate catering solutions. From meetings to conferences, we provide delicious and professional catering services tailored to your needs."
        - **Private Party Catering:** "Make your private events unforgettable with our expert catering. Whether it's a birthday, anniversary, or casual get-together, we deliver gourmet food that delights every palate."
  - **Menus Section:**
    - This section should use a single-column layout with text titles to introduce each menu category (e.g., Appetizers, Main Courses, Desserts). Each menu category should be followed by a short description of the types of dishes offered. Example content:

BUSINESS
PROFESSIONALS
of AMERICA
Giving Purpose to Potential

- **Appetizers:** "A selection of gourmet appetizers to tantalize your taste buds, including canapés, charcuterie boards, and more."
- **Main Courses:** "Our main courses feature a variety of options, from succulent meats to vegetarian delights, all prepared with the finest ingredients."
- **Desserts:** "Indulge in our decadent desserts, including cakes, pastries, and a range of sweet treats that are the perfect ending to any meal."
- **Contact Us Section:**
  - This section should include a text title followed by a contact form with the following fields:
    - **Title:** "Get in Touch"
    - **Text:** "We'd love to discuss your catering needs! Whether you're planning a wedding, corporate event, or private party, our team is here to help make your event unforgettable."
    - A contact form with the following fields:
      - **Name:** A required text input field.
      - **Email:** A required email input field.
      - **Message:** A required text area for the user's message.
      - A "Submit" button, styled to stand out against the background.
- **Footer:**
  - The footer should include the following text content structured for clarity:
    - "Gourmet Delight Catering | 456 Culinary Road, Food City, Earth | Phone: (987) 654-3210 | Email: contact@gourmetdelight.com"
    - "Follow us on Facebook, Instagram, Pinterest."
    - "© 2024 Gourmet Delight Catering. All rights reserved."

2. **Design and Interactivity:**
   - Use **Flexbox** for the header alignment and hero section text positioning.
   - Use **CSS Grid** for the main content sections to create a responsive layout that adjusts based on screen size.
   - Implement **CSS transitions** for hover effects on navigation links, images, and buttons, enhancing interactivity.
   - Ensure the website is **responsive**, displaying correctly on various devices, from mobile phones to desktop computers.
   - Apply **box-shadow** and **border-radius** to images and blockquotes to create a modern, clean look.
3. **Functionality:**
   - Ensure all images have appropriate **alt text** for accessibility.
   - The contact form fields should be properly labeled, and the form should be functional and accessible.

o   Test the website across different browsers (Chrome, Firefox, Edge) to ensure compatibility and consistent user experience.

Explanation:

- Header and Navigation: The logo is on the left, and the navigation links are on the right, aligned using Flexbox. The header has a deep forest green background, and the links change color on hover.
- Hero Section: The hero section uses a split-screen layout, with the provided image on the left and a text block on the right. Flexbox is used to center the text vertically.
- Destinations Section: This section features a grid layout displaying four key trekking destinations, each with an image, title, and description.
- Guides Section: The section uses a three-column grid layout, where each guide's image is displayed above their name and bio, ensuring a clean and organized layout.
- Contact Us Section: A full-width layout is used, with a map image on the left and a contact form on the right.
- Footer: The footer contains the company's contact information and social media links, styled consistently with the rest of the page.

index.html (competitor source may vary)

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta name="description" content="Gourmet Delight Catering offers premium catering services for all events.">
  <title>Gourmet Delight Catering</title>
  <link rel="stylesheet" href="styles.css">
</head>
<body>
  <header>
    <div class="container">
      <img src="images/gourmet-logo.png" alt="Gourmet Delight Catering Logo" id="logo">
      <nav>
        <ul>
          <li><a href="#our-story">Our Story</a></li>
          <li><a href="#services">Services</a></li>
          <li><a href="#menus">Menus</a></li>
          <li><a href="#contact">Contact Us</a></li>
        </ul>
      </nav>
    </div>
  </header>
```

```
        <div id="hero">
            <img src="images/hero-catering.jpg" alt="Gourmet Delight Catering Hero Image"
id="hero-image">
            <div class="hero-text">
                <h1>Indulge in Culinary Excellence</h1>
                <p>Exceptional Catering for Every Occasion</p>
            </div>
        </div>

        <main>
            <section id="our-story" class="content-section">
                <h2>Our Story</h2>
                <div class="content-grid">
                    <div>
                        <p>Gourmet Delight Catering has been delighting clients with exceptional catering
services for over 20 years. Our chefs are passionate about creating exquisite dishes using the
freshest ingredients, ensuring that every event is a memorable culinary experience. From
intimate gatherings to grand celebrations, we tailor our services to meet your unique needs.</p>
                    </div>
                </div>
            </section>

            <section id="services" class="content-section">
                <h2>Our Services</h2>
                <div class="services-grid">
                    <div class="service">
                        <img src="images/wedding-catering.jpg" alt="Wedding Catering Image"
class="service-image">
                        <div class="service-details">
                            <h3>Wedding Catering</h3>
                            <p>Create the perfect culinary experience for your special day with our bespoke
wedding catering services. We work with you to design a menu that reflects your tastes and
impresses your guests.</p>
                        </div>
                    </div>
                    <div class="service">
                        <img src="images/corporate-catering.jpg" alt="Corporate Catering Image"
class="service-image">
                        <div class="service-details">
                            <h3>Corporate Catering</h3>
                            <p>Elevate your business events with our corporate catering solutions. From
meetings to conferences, we provide delicious and professional catering services tailored to your
needs.</p>
                        </div>
                    </div>
                    <div class="service">
```

```
                    <img src="images/private-catering.jpg" alt="Private Party Catering Image"
class="service-image">
                    <div class="service-details">
                        <h3>Private Party Catering</h3>
                        <p>Make your private events unforgettable with our expert catering. Whether it's
a birthday, anniversary, or casual get-together, we deliver gourmet food that delights every
palate.</p>
                    </div>
                </div>
            </div>
        </section>

        <section id="menus" class="content-section">
            <h2>Our Menus</h2>
            <div class="content-grid">
                <div>
                    <h3>Appetizers</h3>
                    <p>A selection of gourmet appetizers to tantalize your taste buds, including
canapés, charcuterie boards, and more.</p>
                </div>
                <div>
                    <h3>Main Courses</h3>
                    <p>Our main courses feature a variety of options, from succulent meats to
vegetarian delights, all prepared with the finest ingredients.</p>
                </div>
                <div>
                    <h3>Desserts</h3>
                    <p>Indulge in our decadent desserts, including cakes, pastries, and a range of sweet
treats that are the perfect ending to any meal.</p>
                </div>
            </div>
        </section>

        <section id="contact" class="content-section">
            <h2>Contact Us</h2>
            <div class="content-grid">
                <div>
                    <h3>Get in Touch</h3>
                    <p>We'd love to discuss your catering needs! Whether you're planning a wedding,
corporate event, or private party, our team is here to help make your event unforgettable.</p>
                    <form>
                        <label for="name">Name:</label>
                        <input type="text" id="name" name="name" required><br /><br />
                        <label for="email">Email:</label>
                        <input type="email" id="email" name="email" required><br /><br />
                        <label for="message">Message:</label>
                        <textarea id="message" name="message" required></textarea><br /><br />
```

```
            <button type="submit">Submit</button>
          </form>
        </div>
      </div>
    </section>
  </main>

  <footer>
    <div class="footer-content">
      <p>Gourmet Delight Catering | 456 Culinary Road, Food City, Earth | Phone: (987) 654-
3210 | Email: contact@gourmetdelight.com</p>
      <p>Follow us on
        Facebook,
        Instagram,
        Pinterest.
      </p>
      <p>&copy; 2024 Gourmet Delight Catering. All rights reserved.</p>
    </div>
  </footer>
</body>
</html>
```

styles.css (competitor source may vary)

```css
/* styles.css */

body {
    font-family: 'Roboto', sans-serif;
    line-height: 1.6;
    margin: 0;
    padding: 0;
    background-color: #f4f4f4;
    color: #333;
}

.container {
    text-align: center;
    padding: 1rem 2rem;
}

header {
    background-color: #800020;
    color: white;
    padding-bottom: 1rem;
}

#logo {
    width: 200px;
    margin-bottom: 1rem;
}

nav ul {
    list-style-type: none;
    padding: 0;
    margin: 0;
    display: flex;
    justify-content: center;
    gap: 20px;
}

nav ul li {
    display: inline;
}

nav ul li a {
    color: white;
    text-decoration: none;
    font-weight: bold;
    transition: color 0.3s;
}
```

```css
nav ul li a:hover {
   color: #ddd;
}

#hero {
   position: relative;
   color: white;
   text-align: center;
}

#hero-image {
   width: 100%;
   height: auto;
}

.hero-text {
   position: absolute;
   top: 50%;
   left: 50%;
   transform: translate(-50%, -50%);
   text-shadow: 2px 2px 4px #000;
}

.hero-text h1 {
   font-size: 3rem;
   margin: 0;
}

.hero-text p {
   font-size: 1.5rem;
}

.content-section {
   padding: 2rem;
   background-color: white;
   margin: 1rem auto;
   width: 80%;
   border-radius: 8px;
   box-shadow: 0 2px 10px rgba(0, 0, 0, 0.1);
}

.content-grid {
   display: grid;
   grid-template-columns: 1fr;
   gap: 2rem;
   align-items: center;
```

```css
        }

        .section-image {
            width: 100%;
            height: auto;
            border-radius: 8px;
            box-shadow: 0 2px 5px rgba(0, 0, 0, 0.1);
        }

        .services-grid {
            display: grid;
            grid-template-columns: repeat(auto-fill, minmax(300px, 1fr));
            gap: 2rem;
        }

        .service {
            display: flex;
            flex-direction: column;
            align-items: center;
            text-align: center;
        }

        .service-image {
            width: 100%;
            height: auto;
            border-radius: 8px;
            box-shadow: 0 2px 5px rgba(0, 0, 0, 0.1);
            transition: transform 0.3s;
        }

        .service-image:hover {
            transform: scale(1.05);
        }

        .service-details {
            padding: 1rem;
        }

        .service-details h3 {
            color: #800020;
            margin: 0.5rem 0;
        }

        footer {
            background-color: #333;
            color: white;
            padding: 2rem;
```

```css
      text-align: center;
    }

    .footer-content {
      display: flex;
      flex-direction: column;
      align-items: center;
    }

    footer a {
      color: #800020;
      text-decoration: none;
      margin: 0 0.5rem;
    }

    footer a:hover {
      text-decoration: underline;
    }

    @media (max-width: 768px) {
      .content-grid {
        grid-template-columns: 1fr;
      }

      nav ul {
        flex-direction: column;
        align-items: center;
      }

      nav ul li {
        margin-bottom: 10px;
      }

      .hero-text h1 {
        font-size: 2rem;
      }

      .hero-text p {
        font-size: 1rem;
      }
    }
```