

Member ID: _____

Time: _____

Rank: _____



FUNDAMENTALS OF WEB DESIGN (415)

NATIONAL 2025

PRODUCTION

Multiple Choice (25 @ 2 points each) _____ (50 points)

Application _____ (290 points)

TOTAL POINTS _____ (340 points)

INDUSTRY CERTIFICATION (50 minutes)

IT Specialist HTML and CSS Certification

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.

PART ONE Instructions: Concept Knowledge

1. Open Google Chrome and navigate to compete.bpa.org.
2. Click on the appropriate Division (Secondary or Post-Secondary) Competitions button.
3. Enter your BPA Member ID (8-digits) and Password to access your test questions.
4. Answer all questions and submit your test.
5. Move on to Part Two.

PART TWO Instructions: Production

1. 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.
2. Once you have completed all four jobs listed below, upload all competition materials (including project files, etc.) to the National BPA Pre-submit System at presubmit.bpa.org.
3. Compress all files in a single archive (zip file) and use the following:

FWD-MemberID.zip

PART THREE Instructions: Industry Certification

This exam requires the IT Specialist HTML and CSS Certification. Please do not leave your seat or exit the room until you have completed the certification. After the certification has been administered, you are permitted to leave.

APPLICATION

You are tasked with creating a single-page website for a fictional travel agency called "**Eco Adventure Travel Agency**". The agency specializes in eco-friendly travel packages and adventures that promote sustainable tourism. 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 agency's commitment to sustainability.

Requirements:

1. Website Structure:

○ Header:

- The header must include the agency's logo (logo.png) aligned to the left and navigation links aligned to the right. Flexbox should be used to ensure proper alignment.
- The navigation should consist of the following links:
 - About Us
 - Travel Packages
 - Testimonials
 - Contact Us
- The header background color should be green (#4CAF50) with white text. Navigation links should have hover effects, changing the text color to a lighter shade.

○ Hero Section:

- The hero section should feature a full-width background image (hero.jpg) with overlay text centered both vertically and horizontally. The text should include:
 - **Tagline:** "Explore the World Sustainably"
 - **Subtext:** "Your adventure begins here!"
- Use absolute positioning and text-shadow to ensure the text is readable over the image.

○ Main Content Sections:

▪ About Us Section:

- This section should be structured with a two-column layout using CSS Grid. It should include the following text with a bolded title:
 - **Title (Column 1):** About Us
 - **About Us Logo (Column 1):** about-us.jpg
 - **Text (Column 2):** "Eco Adventure Travel Agency is your gateway to unforgettable eco-friendly travel experiences. Our mission is to promote sustainable tourism by offering carefully curated travel packages that allow you to explore the world while preserving its natural beauty. From rainforests to mountain peaks, we take you on journeys that leave minimal impact on the environment and maximum memories for a lifetime. Join us as we adventure

responsibly, respecting the cultures and ecosystems we visit."

- **Travel Packages Section:**

- Display three travel packages using a responsive grid layout.

Package information is below:

- Package 1:

- **Image:** rainforest.jpg
 - **Title:** Rainforest Expedition
 - **Description:** Embark on a thrilling journey through the Amazon Rainforest with expert guides who will lead you deep into the heart of one of the world's most diverse ecosystems. Experience the sights and sounds of the jungle while staying at eco-friendly lodges.
 - **Price:** \$2,500

- Package 2:

- **Image:** mountain.jpg
 - **Title:** Mountain Trekking
 - **Description:** Challenge yourself with a trek through the majestic Himalayas. Our guided tours ensure you explore the mountains' stunning landscapes while respecting local cultures and preserving the natural environment.
 - **Price:** \$3,000

- Package 3:

- **Image:** coastal.jpg.
 - **Title:** Coastal Adventure
 - **Description:** Discover the beauty of pristine beaches and vibrant marine life with our coastal adventure package. Enjoy activities like snorkeling, kayaking, and beachcombing while staying at sustainable resorts that prioritize the preservation of marine ecosystems.
 - **Price:** \$2,200

- **Testimonials Section:**

- This section should be structured with a two-column layout using CSS Grid. It should include the following customer testimonials with a bolded title:

- **Title (Column 1):** "What Our Customers Say"
 - **Image (Column 1):** testimonials.jpg
 - **Testimonial 1 (Column 2):** "The Rainforest Expedition was a once-in-a-lifetime experience! The guides were incredibly knowledgeable, and the commitment to eco-friendly practices was evident in every aspect of the trip.

Highly recommend Eco Adventure Travel Agency!" - **Alex G.**

- **Testimonial 2 (Column 2):** "Our Mountain Trekking experience was nothing short of spectacular. The team at Eco Adventure made sure that our journey was safe, enjoyable, and respectful of the local culture and environment. We'll definitely be booking our next adventure with them." - **Maria S.**

- **Contact Us Section:**

- This section should be structured with a two-column layout using CSS Grid. It should include the following text with a bolded title:

- **Title (Column 1):** "Contact Us"
 - **Text (Column 2):** "We'd love to hear from you! Whether you have a question about our travel packages, need help planning your next adventure, or just want to share your feedback, feel free to reach out."
 - **Fields (Column 2):** A contact form should be included with the following fields:
 - **Name:** A required text input field.
 - **Email:** A required email input field.
 - **Message:** A required textarea for the user's message.
 - A "Send Message" button, styled to be prominent and engaging.

- **Footer:**

- The footer should include the following text content structured for clarity:
 - "Eco Adventure Travel Agency | 123 Green Lane, Adventure City, Earth | Phone: (123) 456-7890 | Email: info@ecoadventure.com"
 - "Follow us on Facebook, Twitter, Instagram."
 - "© 2024 Eco Adventure Travel Agency. 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.
- Test the website across different browsers (Chrome, Firefox, Edge) to ensure compatibility and consistent user experience.

Rubric

Task	Criteria	Points
Header Structure	Proper use of Flexbox to align the logo and navigation links; burgundy background with white text.	/15
Navigation	Includes all required navigation links: About Us, Services, Menus, Contact Us, with hover effects.	/15
Hero Section	Full-width hero image with correctly positioned text and text-shadow for readability.	/20
About Us Section	Single-column grid layout with a bolded title and correctly formatted text content.	/20
Travel Packages Section	Grid layout for displaying three travel packages with images, titles, descriptions, prices, and hover effects on images.	/30
Testimonials Sections	Single-column grid layout with bolded title and customer testimonials formatted as blockquotes.	/20
Contact Us Section	Single-column layout with bolded title, properly formatted contact form, and a submit button.	/25
Footer	Footer includes correctly formatted text content for contact details, social media links, and a copyright notice.	/20
CSS Transitions	Implementation of CSS transitions for hover effects on navigation, images, and buttons, enhancing user interaction.	/20
Responsive Design	Website is fully responsive and adapts correctly to different screen sizes using media queries.	/30
Code Quality	Clean, well-organized, and commented code with proper indentation and no unnecessary redundancy.	/20
Accessibility	All images have alt text, form fields are labeled, and the site adheres to accessibility standards.	/15
Cross-Browser Compatibility	Website displays and functions correctly in multiple browsers (Chrome, Firefox, Edge).	/20
Creativity and Design	The overall design is cohesive, visually appealing, and effectively communicates the theme of gourmet catering.	/20
Total		/290