Context: You are an accessibility expert reviewing HTML for accessibility issues. Analyze the following code in the context of WCAG (Web Content Accessibility Guidelines) 2.2, listing any issues that may violate these guidelines. You will only be analyzing the HTML, ignoring any included or missing styles and scripts. Code: ```<!DOCTYPE html> <html lang="en"> <head> <meta charset="UTF-8"> <title>Electronic Items</title> <style> /\* CSS styles \*/ body { font-family: Arial, sans-serif; margin: 0; padding: 0; background-color: #f4f4f4; } /\* Header styles \*/ header { background-color: #333; color: white; padding: 15px; } nav ul { list-style-type: none; } nav ul li { display: inline; margin-right: 20px; } nav ul li a { text-decoration: none; color: white; } /\* Main content styles \*/ main { padding: 20px; } /\* Hero section \*/ .hero { text-align: center; padding: 50px 0; } /\* Product cards \*/ .product-card { border: 1px solid #ccc; padding: 20px; margin-bottom: 20px; background-color: white; } .product-card img { width: 100%; height: auto; } /\* Contact form styles \*/ form { margin-top: 20px; } input[type="text"], input[type="email"], textarea { width: 100%; padding: 10px; margin-bottom: 10px; } input[type="submit"] { padding: 10px 20px; background-color: #007bff; color: white; border: none; cursor: pointer; /\* Increase contrast by changing the background color \*/ background-color: #0056b3; } input[type="submit"]:hover { background-color: #004080; /\* Darker color on hover for contrast \*/ } </style> </head> <body> <header> <nav> <ul> <li><a href="#home">Home</a></li> <li><a href="#products">Products</a></li> <li><a href="#contact">Contact</a></li> </ul> </nav> </header> <main> <section id="home"> <div class="hero"> <h1>Welcome to our Electronics Store</h1> <p>Discover the latest gadgets and electronics.</p> <a href="#products" class="btn">Explore Products</a> </div> </section> <section id="products"> <h2>Featured Items</h2> <div class="carousel"> <img src="product1.jpg" alt="Product 1"> <img src="product2.jpg" alt="Product 2"> <!-- Add more images for carousel --> </div> <div class="product-card"> <img src="product1.jpg"> <h1>Product 1</h1> <p>Description of Product 1</p> <a href="#" class="btn">Buy Now</a> </div> <!-- More product cards can be added --> </section> <section id="contact"> <h3>Contact Us</h3> <form action="submit.php" method="post"> <label for="name">Your Name:</label> <input type="text" id="name" name="name" alt="name" placeholder="Your Name"> <label for="email">Your Email:</label> <input type="email" id="email" name="email" placeholder="Your Email"> <label for="message"></label> <textarea id="message" name="message" placeholder="Your Message"></textarea> <input type="submit" value="Send Message"> </form> </section> </main> <footer> <h4>Other info:</h4> <h3>Copyright:</h3> <p>&copy; 2023 Electronics Store. All rights reserved.</p> </footer> <script> // JavaScript code let slideIndex = 0; function showSlides() { let slides = document.getElementsByClassName("carousel"); for (let i = 0; i < slides.length; i++) { slides[i].style.display = "none"; } slideIndex++; if (slideIndex > slides.length) { slideIndex = 1; } slides[slideIndex - 1].style.display = "block"; setTimeout(showSlides, 2000); // Change image every 2 seconds } showSlides(); </script> </body> </html> ``` Response format: Snippet with error: … Location of error: … WCAG Guideline violated: … Detection Algorithm: … Explanation of Error: …

Snippet with error: <img src="product1.jpg"> Location of error: Inside the .product-card div in the #products section. WCAG Guideline violated: 1.1.1 Non-text Content (Level A). Detection Algorithm: Check for missing alt attributes on images. Explanation of Error: The image tag for "Product 1" is missing an alt attribute, which is important for screen readers to convey the content of the image to users who cannot see it.

Are there any more issues? List all that you find.

Snippet with error: <label for="message"></label> Location of error: Inside the #contact section, associated with the textarea. WCAG Guideline violated: 3.3.2 Labels or Instructions (Level A). Detection Algorithm: Check for empty label elements. Explanation of Error: The label for the textarea element is empty, meaning users may not receive the necessary context or know what information is requested in the textarea.

Are there any more issues? List all that you find.

Snippet with error: <input type="text" id="name" name="name" alt="name" placeholder="Your Name"> Location of error: Inside the #contact section, in the form. WCAG Guideline violated: 1.1.1 Non-text Content (Level A) – misapplication. Detection Algorithm: Check for input elements with incorrect attributes. Explanation of Error: The alt attribute is not valid for input elements; it does not serve any purpose here. Input elements, especially of type text or email, do not require an alt attribute; instead, they rely on associated label elements for accessibility.

New Chat (Alt-J)