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"> <meta name="viewport" content="width=device-width, initial-scale=1.0"> <link rel="stylesheet" href="styles.css"> <script defer src="script.js"></script> <title>Calvin Kelvin Products</title> </head> <body> <!-- Navigation Bar --> <nav> <ul> <li><a href="#">Home</a></li> <li><a href="#">Products</a></li> <li><a href="#">About Us</a></li> <li><a href="#">Contact</a></li> </ul> </nav> <!-- Header Section --> <header> <h1>Calvin Kelvin Products</h1> <p>Your go-to destination for quality products.</p> </header> <!-- Featured Products Section --> <section id="featured-products"> <!-- Product 1 --> <div class="product-card"> <img src="product1.jpg" alt="Product 1"> <h2>ComfortFit T-Shirt</h2> <p>Experience unmatched comfort with our premium cotton T-shirt.</p> <button onmousedown="addToCart('ComfortFitTShirt')">Add to Cart</button> </div> <!-- Product 2 --> <div class="product-card"> <img src="product2.jpg" alt="Product 2"> <h2>Classic Denim Jeans</h2> <p>Stay stylish and comfortable with our classic denim jeans.</p> <button onclick="addToCart('ClassicDenimJeans')">Add to Cart</button> </div> <!-- Add more products as needed --> </section> <!-- Video Section --> <section id="video-container" onmouseout="PauseVideo()"> <h2>Our Story</h2> <div id="video-container"></div> </section> <!-- Contact Section --> <section id="contact"> <h2>Contact Us</h2> <form> <div class="form-group"> <input type="text" id="name" name="name" placeholder="Your name"> </div> <div class="form-group"> <label for="email">Email:</label> <label for="email">Email:</label> <input type="email" id="email" name="email" placeholder="Your email"> </div> <div class="form-group"> <label for="message">Message:</label> <textarea id="message" name="message" placeholder="Your message"></textarea> </div> <button type="submit">Submit</button> </form> </section> <!-- Footer Section --> <footer> <p>&copy; 2023 Calvin Kelvin Products</p> </footer> </body> </html> ``` Response format: Snippet with error: … Location of error: … WCAG Guideline violated: … Detection Algorithm: … Explanation of Error: …

Snippet with error: <button onmousedown="addToCart('ComfortFitTShirt')">Add to Cart</button>  
Location of error: Section id="featured-products"  
WCAG Guideline violated: 2.1.1 Keyboard  
Detection Algorithm: Manual inspection  
Explanation of Error: The onmousedown event handler on the button element may not be accessible to keyboard users, as it specifically requires a mouse interaction.

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

Snippet with error: <div id="video-container"></div>  
Location of error: Section id="video-container"  
WCAG Guideline violated: 1.1.1 Non-text Content  
Detection Algorithm: Manual inspection  
Explanation of Error: The div for the video container lacks a text alternative that describes the video content, which is necessary for users who cannot see the video.

Snippet with error: <input type="text" id="name" name="name" placeholder="Your name">  
Location of error: Section id="contact"  
WCAG Guideline violated: 1.3.1 Info and Relationships  
Detection Algorithm: Manual inspection  
Explanation of Error: Input fields use placeholders as labels, which can disappear when the user begins inputting data, making the form difficult for some users to navigate and understand.

Snippet with error: <label for="email">Email:</label> <label for="email">Email:</label>  
Location of error: Section id="contact"  
WCAG Guideline violated: 4.1.1 Parsing  
Detection Algorithm: Manual inspection  
Explanation of Error: Duplicate labels with the same for attribute value for a single input field can cause confusion for screen readers, violating HTML parsing rules.

Snippet with error: <section id="video-container" onmouseout="PauseVideo()">  
Location of error: Above the duplicated div id="video-container"  
WCAG Guideline violated: 2.1.1 Keyboard  
Detection Algorithm: Manual inspection  
Explanation of Error: The onmouseout event handler may not be fully accessible to keyboard users or those who cannot use a mouse to trigger video pause functionality.

These identified issues could potentially create barriers for users with disabilities, violating respective WCAG guidelines aimed at ensuring web content is accessible to all.

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

Snippet with error: <img src="product1.jpg" alt="Product 1"> and <img src="product2.jpg" alt="Product 2">  
Location of error: Section id="featured-products"  
WCAG Guideline violated: 1.1.1 Non-text Content  
Detection Algorithm: Manual inspection  
Explanation of Error: The alternative text for the images is vague ("Product 1", "Product 2") and does not convey enough information about what the image is of, which is especially important for screen reader users who cannot see the image.

Snippet with error: <nav>  
Location of error: Navigation Bar  
WCAG Guideline violated: 2.4.1 Bypass Blocks  
Detection Algorithm: Manual inspection  
Explanation of Error: The navigation bar lacks a mechanism (such as a skip link) that allows users to bypass it and move directly to the main content, which is important for screen reader users and those who rely on keyboard navigation.

Snippet with error: <html lang="en">  
Location of error: <html> element  
WCAG Guideline violated: 3.1.1 Language of Page  
Detection Algorithm: Manual inspection  
Explanation of Error: While the lang="en" attribute is present, any page or sections of content that are in a different language from the one specified should also have an appropriate lang attribute to ensure screen readers pronounce text correctly.

Snippet with error: <section id="video-container" onmouseout="PauseVideo()">  
Location of error: Section id="video-container"  
WCAG Guideline violated: 4.1.2 Name, Role, Value  
Detection Algorithm: Manual inspection  
Explanation of Error: The section containing the video player lacks sufficient information on its role, state, and value properties necessary for interaction with assistive technologies, such as screen readers.

In addition to the previously mentioned accessibility concerns, these issues further show potential barriers for users with disabilities, highlighting the importance of thorough accessibility considerations in web development.

New Chat (Alt-J)