A white letter on a brown background

Description automatically generated

Alex Tomjack

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"> <title></title> <style> body { background-image: url('background-image.jpg'); /\* Add your background image URL here \*/ background-size: cover; margin: 0; font-family: Arial, sans-serif; } header { background-color: #4CAF50; color: white; text-align: center; padding: 1em; } nav { display: flex; justify-content: space-around; background-color: #333; padding: 1em; } nav a { color: white; text-decoration: none; } section { padding: 2em; } table { width: 100%; border-collapse: collapse; margin-top: 1em; } th, td { padding: 1em; text-align: left; border-bottom: 1px solid #ddd; } button { background-color: #4CAF50; color: white; padding: 0.5em 1em; border: none; border-radius: 4px; cursor: pointer; } /\* Increase contrast for the button \*/ button:hover, button:focus { background-color: #45A049; /\* Darker shade of green \*/ color: white; /\* Set text color to white for better contrast \*/ } footer { background-color: #4CAF50; color: white; /\* Set text color to white for better contrast \*/ text-align: center; padding: 1em; position: fixed; bottom: 0; width: 100%; } h1 { color: #FFFFFF; /\* Change the text color to white for better contrast \*/ } </style> </head> <body> <header style="background-color: #4CAF50; color: white;"> <h2>Grocery Store</h2> </header> <nav> <a href="#">Home</a> <a href="#">Products</a> <a href="#">About Us</a> <a href="#"></a> </nav> <section> <h1>Available Groceries</h1> <table> <thead> <tr> <th>Product</th> <th>Price</th> <th>Action</th> </tr> </thead> <tbody> <tr> <td>Apples</td> <td>$2.00</td> <td><button>Add to Cart</button></td> </tr> <tr> <td>Bananas</td> <td>$1.50</td> <td><button>Add to Cart</button></td> </tr> <!-- Add more rows as needed --> </tbody> </table> <form> <label for="username">Username:</label><br> <input type="text" id="username" name="username"><br> <label for="password"></label><br> <input type="password" id="pwd" name="pwd"> <input type="radio" id="1" name="fav\_number" value="1"> <input type="radio" id="2" name="fav\_number" value="2"> <label for="2">2</label><br> <input type="radio" id="3" name="fav\_number" value="3"> <label for="3">3</label> <input type="checkbox" id="vehicle1" name="vehicle1" value="Bike"> <label for="vehicle1"> I have a bike</label><br> <input type="checkbox" id="vehicle2" name="vehicle2" value="Car"> <label for="vehicle2"> I have a car</label><br> <input type="checkbox" id="vehicle3" name="vehicle3" value="Boat"> <label for="vehicle3"> I have a boat</label> <label for="myfile">Select a file:</label> <input type="file" id="myfile" name="myfile"> <button type="submit">Submit</button> </form> </section> <footer> &copy; 2023 Grocery Store </footer> </body> </html> ``` Response format: Snippet with error: … Location of error: … WCAG Guideline violated: … Detection Algorithm: … Explanation of Error: …

Tabnine

Tabnine + Mistral

Snippet with error: Location of error: The <button> element in the table. WCAG Guideline violated: 1.3.1 Success Criterion: Information, Structure, and NAVigation Detection Algorithm: Check if the button element has a descriptive label or an associated aria-label attribute. Explanation of Error: The <button> element in the table does not have a descriptive label or an associated aria-label attribute, which could make it difficult for screen reader users to understand what action the button performs. Snippet with error: Location of error: The <input type="radio"> and <input type="checkbox"> elements in the form. WCAG Guideline violated: 1.3.1 Success Criterion: Information, Structure, and NAVigation Detection Algorithm: Check if the <input type="radio"> and <input type="checkbox"> elements have a descriptive label or an associated aria-label attribute. Explanation of Error: The <input type="radio"> and <input type="checkbox"> elements in the form do not have a descriptive label or an associated aria-label attribute, which could make it difficult for screen reader users to understand what action the button performs. Snippet with error: Location of error: The <button> element in the form. WCAG Guideline violated: 2.4.6 Success Criterion: Headings and Labels Detection Algorithm: Check if the <button> element has a descriptive label or an associated aria-label attribute. Explanation of Error: The <button> element in the form does not have a descriptive label or an associated aria-label attribute, which could make it difficult for screen reader users to understand what action the button performs. Snippet with error: Location of error: The <input type="file"> element. WCAG Guideline violated: 2.4.6 Success Criterion: Headings and Labels Detection Algorithm: Check if the <input type="file"> element has a descriptive label or an associated aria-label attribute. Explanation of Error: The <input type="file"> element does not have a descriptive label or an associated aria-label attribute, which could make it difficult for screen reader users to understand what action the button performs. Snippet with error: Location of error: The <button> element in the header. WCAG Guideline violated: 2.4.6 Success Criterion: Headings and Labels Detection Algorithm: Check if the <button> element has a descriptive label or an associated aria-label attribute. Explanation of Error: The <button> element in the header does not have a descriptive label or an associated aria-label attribute, which could make it difficult for screen reader users to understand what action the button performs. Snippet with error: Location of error: The <button> element in the footer. WCAG Guideline violated: 2.4.6 Success Criterion: Headings and Labels Detection Algorithm: Check if the <button> element has a descriptive label or an associated aria-label attribute. Explanation of Error: The <button> element in the footer does not have a descriptive label or an associated aria-label attribute, which could make it difficult for screen reader users to understand what action the button performs. Snippet with error: Location of error: The <button> element in the section. WCAG Guideline violated: 2.4.6 Success Criterion: Headings and Labels Detection Algorithm: Check if the <button> element has a descriptive label or an associated aria-label attribute. Explanation of Error: The <button> element in the section does not have a descriptive label or an associated aria-label attribute, which could make it difficult for screen reader users to understand what action the button performs. Snippet with error: Location of error: The <button> element in the header. WCAG Guideline violated: 2.4.6 Success Criterion: Headings and Labels Detection Algorithm: Check if the <button> element has a descriptive label or an associated aria-label attribute. Explanation of Error: The <button> element in the header does not have a descriptive label or an associated aria-label attribute, which could make it difficult for screen reader users to understand what action the button performs.

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New Conversation

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