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> <head> <meta charset="UTF-8"> <meta name="viewport" content="width=device-width, initial-scale=1.0"> <title>ChatGPT Website</title> <link rel="stylesheet" href="styles.css"> </head> <body> <header> <h2>ChatGPT Website</h2> <nav> <ul> <li><a href="#" class="contrast-link">Home</a></li> <li><a href="#" class="contrast-link">About</a></li> <li><a href="#" class="contrast-link">Contact</a></li> </ul> </nav> </header> <section> <h1>Welcome to our ChatGPT-powered website!</h1> <p>This is a simple example of a website generated with the help of ChatGPT.</p> <button onmousedown="showMessage()">Click me</button> <p id="demo"></p> <form> <label for="username">Username:</label><br> <input type="text" id="username" name="username"><br> <label for="password">Password:</label><br> <input type="password" id="pwd" name="pwd"> <input type="radio" id="1" name="fav\_number" value="1"> <label for="1">1</label><br> <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"></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> <input type="file" id="myfile" name="myfile"> <button type="submit">Submit</button> </form> </section> <footer> <p>&copy; 2023 ChatGPT Website. All rights reserved.</p> </footer> <script src="scripts.js"></script> </body> </html> ``` Response format: Snippet with error: … Location of error: … WCAG Guideline violated: … Detection Algorithm: … Explanation of Error: …

Snippet with error: <button onmousedown="showMessage()">Click me</button>  
Location of error: In the <section> element.  
WCAG Guideline violated: 2.1.1 Keyboard  
Detection Algorithm: Manual inspection for JavaScript event handlers that may not be keyboard accessible.  
Explanation of Error: The use of onmousedown event may not be accessible to keyboard users, as it requires a mouse interaction. To be WCAG compliant, interactive elements should be operable through a keyboard interface.

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

Snippet with error: <label for="vehicle1"></label>  
Location of error: In the <form> element.  
WCAG Guideline violated: 1.1.1 Non-text Content  
Detection Algorithm: Check for empty labels.  
Explanation of Error: The label for the checkbox with id="vehicle1" is empty, which means screen readers won't have meaningful text to announce for it, making the purpose of the checkbox unclear to users relying on assistive technologies.

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

Snippet with error: <input type="password" id="pwd" name="pwd">  
Location of error: In the <form> element.  
WCAG Guideline violated: 1.3.1 Info and Relationships  
Detection Algorithm: Inspect input elements for associated <label> tags.  
Explanation of Error: The password input does not have a corresponding <label> element that is explicitly associated with it (using the for attribute, which should match the input's id attribute), making it potentially unclear or inaccessible for screen reader users.

New Chat (Alt-J)