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"> <style> body { margin: 0; padding: 0; font-family: 'Arial', sans-serif; background: url('background.jpg') no-repeat center center fixed; background-size: cover; color: #fff; } header { background: #333; padding: 10px; text-align: center; } nav { display: flex; justify-content: center; background: #444; padding: 10px; } nav a { color: #fff; text-decoration: none; margin: 0 20px; font-size: 18px; } section { padding: 20px; } h2 { color: #fff; /\* Text color: white \*/ background-color: rgba(0, 0, 0, 0.7); /\* Semi-transparent black background for better contrast \*/ padding: 10px; /\* Add padding for better appearance \*/ } form { display: flex; flex-direction: column; max-width: 300px; margin: auto; } label { margin-bottom: 8px; color: #fff; /\* Set label text color to white for better contrast \*/ background-color: rgba(0, 0, 0, 0.7); /\* Semi-transparent black background for better contrast \*/ padding: 8px; /\* Add padding for better appearance \*/ } input, select { padding: 10px; margin-bottom: 15px; } button { padding: 10px; background: #4CAF50; color: #fff; border: none; cursor: pointer; } button:hover { background: #45a049; } </style> </head> <body> <header> <marquee>Ticket Booking System</marquee> </header> <nav> <a href="#">Home</a> <a href="#">Movies</a> <a href="#">Events</a> <a href="#">Contact</a> </nav> <section> <h2>Book Your Tickets</h2> <form id="bookingForm"> <label for="event"></label> <select id="event" name="event"> <option value="movie">Movie</option> <option value="concert">Concert</option> <!-- Add more options as needed --> </select> <label for="quantity"> Number of Tickets: </label> <input type="number" alt="quantity" id="quantity" name="quantity" min="1" required> <label for="name" style="color: #fff; background-color: rgba(0, 0, 0, 0.7);"> Your Name: </label> <input type="text" id="name" name="name" required> <button type="button" onclick="submitForm()" style="background-color: #45a049;"> <!-- Adjusted background color for better contrast --> Book Now </button> </form> <div id="confirmation" style="display:none;"> <p id="confirmationText">Your tickets have been booked. Thank you!</p> </div> </section> <script> function submitForm() { // Perform any additional processing here (e.g., sending data to a server) // For now, just show a confirmation message document.getElementById('bookingForm').style.display = 'none'; document.getElementById('confirmation').style.display = 'block'; } </script> </body> </html> ``` Response format: Snippet with error: … Location of error: … WCAG Guideline violated: … Detection Algorithm: … Explanation of Error: …

Tabnine

Tabnine + Mistral

Snippet with error:

<marquee>Ticket Booking System</marquee>

Insert

Copy

Location of error:

<header>

<marquee>Ticket Booking System</marquee>

</header>

Insert

Copy

WCAG Guideline violated: 1.2.1 Audio Control (A-level): Provide a mechanism that allows users to control audio volume separately from the overall system volume. Detection Algorithm: The <marquee> element is not directly related to the WCAG 2.2 guidelines. However, it is an outdated and non-standard HTML element that has been deprecated since HTML 4.01. It is not supported in modern browsers and should not be used in new web content. Explanation of Error: The <marquee> element is not accessible and does not meet the requirements of WCAG 2.2. It does not provide a mechanism for users to control the audio volume separately from the overall system volume, which is required by guideline 1.2.1. Additionally, it is not supported in modern browsers and should not be used in new web content.

References (1)

1.

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

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In addition to the issue mentioned earlier, there are a few more issues that can be found in the provided code:

**1.**

WCAG 2.2 Guideline 1.4.3: Keyboard Accessible (A-level): Make all functionality available from a keyboard.

Detection Algorithm: The provided code does not have any keyboard-only interactions, such as form submissions or navigation between elements. It is not possible to interact with the page using only a keyboard. Explanation of Error: The code does not provide keyboard-only interactions, which is required by guideline 1.4.3. Users who rely on keyboard-only navigation cannot interact with the page, which is not accessible.

**2.**

WCAG 2.2 Guideline 1.4.10: Reflow (A-level): Content can be presented without loss of functionality or information when the page width is changed or the device is rotated into landscape orientation.

Detection Algorithm: The provided code does not have any responsive design elements, such as media queries or flexible grid layouts. The page layout does not change when the window width is changed or the device is rotated. Explanation of Error: The code does not have any responsive design elements, which is required by guideline 1.4.10. Users who access the page on devices with different screen sizes or orientations may not be able to interact with the page, which is not accessible.

**3.**

WCAG 2.2 Guideline 1.4.8: Orientation (A-level): Do not restrict the ability to change the orientation.

Detection Algorithm: The provided code does not have any orientation-related interactions, such as changing the layout or content based on the device orientation. The page layout does not change when the device is rotated. Explanation of Error: The code does not have any orientation-related interactions, which is required by guideline 1.4.8. Users who access the page on devices with different orientations may not be able to interact with the page, which is not accessible.

References (1)

1.

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

Tabnine

Tabnine + Mistral

Yes, there are more issues that can be found in the provided code. Here is a list of all the issues that I have found:

**1.**

WCAG 2.2 Guideline 1.4.3: Keyboard Accessible (A-level): Make all functionality available from a keyboard.

Detection Algorithm: The provided code does not have any keyboard-only interactions, such as form submissions or navigation between elements. It is not possible to interact with the page using only a keyboard. Explanation of Error: The code does not provide keyboard-only interactions, which is required by guideline 1.4.3. Users who rely on keyboard-only navigation cannot interact with the page, which is not accessible.

**2.**

WCAG 2.2 Guideline 1.4.10: Reflow (A-level): Content can be presented without loss of functionality or information when the page width is changed or the device is rotated into landscape orientation.

Detection Algorithm: The provided code does not have any responsive design elements, such as media queries or flexible grid layouts. The page layout does not change when the window width is changed or the device is rotated. Explanation of Error: The code does not have any responsive design elements, which is required by guideline 1.4.10. Users who access the page on devices with different screen sizes or orientations may not be able to interact with the page, which is not accessible.

**3.**

WCAG 2.2 Guideline 1.4.8: Orientation (A-level): Do not restrict the ability to change the orientation.

Detection Algorithm: The provided code does not have any orientation-related interactions, such as changing the layout or content based on the device orientation. The page layout does not change when the device is rotated. Explanation of Error: The code does not have any orientation-related interactions, which is required by guideline 1.4.8. Users who access the page on devices with different orientations may not be able to interact with the page, which is not accessible.

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index.txt: 0-139

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What are the potential follow-up questions a user might have based on the ongoing conversation?

Workspace indexing: Done

New Conversation

Type '/' for commands, '@' for code snippets, or simply type

Not using workspace