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; } header { background-image: url('background.jpg'); /\* Add your background image URL \*/ background-size: cover; color: white; text-align: center; padding: 50px; } header h1 { margin: 0; /\* Remove default margin for better spacing \*/ padding: 10px; /\* Add padding to improve contrast \*/ background-color: rgba(0, 0, 0, 0.5); /\* Semi-transparent black background for better contrast \*/ } nav { background-color: #333; color: white; padding: 15px; text-align: center; } nav a { display: inline-block; padding: 10px 15px; font-size: 16px; text-decoration: none; color: #0077cc; /\* Adjusted text color for better contrast \*/ background-color: #333; /\* Adjusted background color for better contrast \*/ } nav a:hover { background-color: #555; /\* Change link color on hover for better feedback \*/ } section { padding: 20px; } footer { background-color: #333; color: white; text-align: center; padding: 10px; position: fixed; bottom: 0; width: 100%; } .video-container { position: relative; padding-bottom: 56.25%; padding-top: 30px; height: 0; overflow: hidden; } .video-container iframe { position: absolute; top: 0; left: 0; width: 100%; height: 100%; } .button { display: inline-block; padding: 10px 20px; font-size: 16px; text-align: center; text-decoration: none; background-color: #4CAF50; color: white; border-radius: 5px; border: none; /\* Add border for better contrast \*/ cursor: pointer; /\* Add cursor pointer for better feedback \*/ } .button:hover { background-color: #45a55c; /\* Change button color on hover for better feedback \*/ } input[type="text"] { padding: 10px; font-size: 16px; } </style> </head> <body> <header> <h1>Welcome to Food Delivery App</h1> </header> <nav> <a href="#">Home</a> <a href="#">Menu</a> <a href="#">Order Now</a> <a href="#">Contact</a> </nav> <section> <h2>Featured Videos</h2> <div class="video-container"> <iframe width="560" height="315" src="https://www.youtube.com/embed/your-video-id" frameborder="0" allowfullscreen></iframe> </div> </section> <section> <h2>Explore Our Menu</h2> <p><b>Delicious food descriptions go here...</b></p> <a href="#" class="button"><font size="5"> View Menu</font></a> </section> <section> <h2 onmouseover="ToolTip()">Place Your Order</h2> <p>Enter your details below to place an order:</p> <form> <label for="name">Name:</label> <input type="text" id="name" name="name" required> <label for="address">Address:</label> <input type="text" alt="address" id="address" name="address" required> <label for="phone">Phone:</label> <input type="text" id="phone" name="phone" required> <input type="submit" value="Place Order" class="button"> </form> </section> <footer> <p>&copy; 2023 Food Delivery App</p> </footer> </body> </html> ``` Response format: Snippet with error: … Location of error: … WCAG Guideline violated: … Detection Algorithm: … Explanation of Error: …

<header>

<h1>Welcome to Food Delivery App</h1>

</header>

Location of error: <header> <h1>Welcome to Food Delivery App</h1> </header>

WCAG Guideline violated: 1.4.3 Contrast (Minimum)

Detection Algorithm: Use a contrast checker tool to compare text color (#FFFFFF) against the background (#000000 with 50% opacity on an image).

Explanation of Error: The text within the header may not have sufficient contrast against the background image, even with a semi-transparent overlay.

<input type="text" id="address" name="address" required>

Location of error: <input type="text" id="address" name="address" required>

WCAG Guideline violated: 1.1.1 Non-text Content

Detection Algorithm: Check for the presence of the alt attribute on non-image elements where it's not applicable.

Explanation of Error: The alt attribute is not appropriate for an input element and should be removed.

<iframe width="560" height="315" src="https://www.youtube.com/embed/your-video-id" frameborder="0" allowfullscreen></iframe>

Location of error: <iframe width="560" height="315" src="https://www.youtube.com/embed/your-video-id" frameborder="0" allowfullscreen></iframe>

WCAG Guideline violated: 2.4.1 Bypass Blocks

Detection Algorithm: Check if iframe has a title attribute to describe its content.

Explanation of Error: The iframe element lacks a title attribute which is needed to provide an accessible name for screen readers.

<h2 onmouseover="ToolTip()">Place Your Order</h2>

Location of error: <h2 onmouseover="ToolTip()">Place Your Order</h2>

WCAG Guideline violated: 3.2.1 On Focus

Detection Algorithm: Identify interactive elements that have event handlers such as onmouseover or onclick.

Explanation of Error: Using onmouseover can create accessibility issues as it might not be accessible for keyboard-only users.

<a href="#" class="button"><font size="5"> View Menu</font></a>

Location of error: <a href="#" class="button"><font size="5"> View Menu</font></a>

WCAG Guideline violated: 1.4.4 Resize Text

Detection Algorithm: Detect usage of the <font> tag, which is deprecated and may not support text resizing.

Explanation of Error: The use of the <font> element is deprecated and can interfere with user-agent handling for text resizing.

<nav> <a href="#">Home</a> <a href="#">Menu</a> <a href="#">Order Now</a> <a href="#">Contact</a> </nav>

Location of error: <nav> <a href="#">Home</a> <a href="#">Menu</a> <a href="#">Order Now</a> <a href="#">Contact</a> </nav>

WCAG Guideline violated: 2.4.4 Link Purpose (In Context)

Detection Algorithm: Identify links that use generic text like "Click here" or do not provide enough context.

Explanation of Error: The anchor tags with href="#" have no meaningful context or destinations and can confuse users relying on screen readers.

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

<h1>Welcome to Food Delivery App</h1>

Location of error: <h1>Welcome to Food Delivery App</h1>

WCAG Guideline violated: 1.3.1 Info and Relationships

Detection Algorithm: Identify heading structure to ensure hierarchical order.

Explanation of Error: There is no <h2> before any other headers, causing a potential reading order issue for screen readers.

<a href="#" class="button"><font size="5"> View Menu</font></a>

Location of error: <a href="#" class="button"><font size="5"> View Menu</font></a>

WCAG Guideline violated: 1.4.1 Use of Color

Detection Algorithm: Check that information conveyed by color is also available in text or other means.

Explanation of Error: The link uses color alone to indicate state (e.g., hover), which may not be sufficient for colorblind users.

<form>

<label for="name">Name:</label>

<input type="text" id="name" name="name" required>

<label for="address">Address:</label>

<input type="text" id="address" name="address" required>

<label for="phone">Phone:</label>

<input type="text" id="phone" name="phone" required>

<input type="submit" value="Place Order" class="button">

</form>

Location of error: <form> ... </form>

WCAG Guideline violated: 3.3.2 Labels or Instructions

Detection Algorithm: Check form inputs to see if they are properly labeled.

Explanation of Error: While labels are present, additional instructions/context (e.g., input format) may be necessary to ensure correct data entry.

<header>

<h1>Welcome to Food Delivery App</h1>

</header>

Location of error: <header> <h1>Welcome to Food Delivery App</h1> </header>

WCAG Guideline violated: 2.4.2 Page Titled

Detection Algorithm: Check for the presence of a document title element.

Explanation of Error: There is no <title> tag in the <head> section to provide a descriptive page title.

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

<!DOCTYPE html>

<html lang="en">

Location of error: <!DOCTYPE html> <html lang="en">

WCAG Guideline violated: 3.1.1 Language of Page

Detection Algorithm: Check for the correct lang attribute in the html tag.

Explanation of Error: The lang attribute is correctly set here, no issue.

<header>

<h1>Welcome to Food Delivery App</h1>

</header>

Location of error: <header> <h1>Welcome to Food Delivery App</h1> </header>

WCAG Guideline violated: 1.4.3 Contrast (Minimum)

Detection Algorithm: Use a contrast checker tool to compare text color (#FFFFFF) against the background.

Explanation of Error: Potential insufficient contrast between the white text and the header background image.

<iframe width="560" height="315" src="https://www.youtube.com/embed/your-video-id" frameborder="0" allowfullscreen></iframe>

Location of error: <iframe ... >

WCAG Guideline violated: 4.1.2 Name, Role, Value

Detection Algorithm: Check for the presence of a title attribute within iframe.

Explanation of Error: The iframe element lacks a descriptive title attribute.

<section>

<h2 onmouseover="ToolTip()">Place Your Order</h2>

Location of error: <h2 onmouseover="ToolTip()">Place Your Order</h2>

WCAG Guideline violated: 3.2.1 On Focus

Detection Algorithm: Identify HTML elements with interaction handlers like onmouseover that can cause accessibility issues.

Explanation of Error: onmouseover may not be accessible for users who navigate via keyboard only.

<nav> <a href="#">Home</a> <a href="#">Menu</a> <a href="#">Order Now</a> <a href="#">Contact</a> </nav>

Location of error: <nav> <a href="#"> ...

WCAG Guideline violated: 2.4.4 Link Purpose (In Context)

Detection Algorithm: Check if link texts are clear on their intent and purpose.

Explanation of Error: href="#" links lack meaningful descriptions and destinations.

<a href="#" class="button"><font size="5"> View Menu</font></a>

Location of error: <a href="#" class="button"><font size="5"> View Menu</font></a>

WCAG Guideline violated: 1.4.4 Resize Text, 1.4.1 Use of Color

Detection Algorithm: Verify usage of deprecated <font> tag and reliance on color for state indication.

Explanation of Error: The <font> tag may hinder text resizing, and color alone may indicate link state.

<form>

<label for="name">Name:</label>

<input type="text" id="name" name="name" required>

<label for="address">Address:</label>

<input type="text" id="address" name="address" required>

<label for="phone">Phone:</label>

<input type="text" id="phone" name="phone" required>

<input type="submit" value="Place Order" class="button">

</form>

Location of error: <form> ... </form>

WCAG Guideline violated: 3.3.2 Labels or Instructions

Detection Algorithm: Check for sufficient input labeling and instructions.

Explanation of Error: Inputs may require additional guidelines or instructions (e.g., format) for user clarification.

Since the original inquiry was to ignore styles and scripts, CSS-related issues (additional redundant background-color and color) have been omitted from accessibility violations.

This completes the comprehensive review of your HTML code against WCAG 2.2 standards for accessibility issues.

New Chat (Alt-J)