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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; } 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: …

Tabnine

Tabnine + Mistral

Snippet with error:

<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>

Insert

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Location of error: The onmouseover attribute in the h2 tag is not accessible and should be removed. WCAG Guideline violated: 1.2.4: Keyboard (Level A) Detection Algorithm: The onmouseover attribute is detected in the h2 tag, which is not accessible for keyboard-only users. Explanation of Error: The onmouseover attribute is not accessible for keyboard-only users, as it only triggers when a user hovers over the element with a mouse. This violates WCAG 1.2.4 Keyboard (Level A) guideline, which states that all functionality should be available from a keyboard. To make the page more accessible, the onmouseover attribute should be removed from the h2 tag.

References (1)

1.

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

Tabnine

Tabnine + Mistral

Yes, there are a few more issues that can be found in the provided code. Here are the issues along with their locations and explanations:

**1.**

Issue: Missing alt attribute for the iframe element in the .video-container class. Location: <iframe width="560" height="315" src="https://www.youtube.com/embed/your-video-id" frameborder="0" allowfullscreen></iframe> Explanation: The alt attribute is required for iframe elements to provide alternative information when the content cannot be rendered.

**2.**

Issue: Lack of ARIA roles and properties for form elements. Location: <form>...</form> Explanation: The form element and its child elements (input, label, etc.) should have appropriate ARIA roles and properties to make them more accessible. For example, the input elements should have aria-required="true" if they are required.

**3.**

Issue: Lack of ARIA labels for form elements. Location: <label for="name">Name:</label>, <label for="address">Address:</label>, and <label for="phone">Phone:</label> Explanation: The for attribute in the label elements should be linked to the id attribute of the corresponding input element using an aria-labelledby attribute. This will help screen readers to associate the label with the correct input field.

**4.**

Issue: Lack of ARIA roles and properties for the h2 element with onmouseover attribute. Location: <h2 onmouseover="ToolTip()">Place Your Order</h2> Explanation: The h2 element with the onmouseover attribute should have an appropriate ARIA role and properties to make it more accessible. For example, it could have an aria-label attribute to provide a text alternative for the content of the h2 element.

**5.**

Issue: Lack of ARIA roles and properties for the button element. Location: <input type="submit" value="Place Order" class="button"> Explanation: The button element should have appropriate ARIA roles and properties to make it more accessible. For example, it could have an aria-label attribute to provide a text alternative for the content of the button.

**6.**

Issue: Lack of ARIA roles and properties for the footer element. Location: <footer>...</footer> Explanation: The footer element should have appropriate ARIA roles and properties to make it more accessible. For example, it could have an aria-label attribute to provide a text alternative for the content of the footer.

**7.**

Issue: Lack of ARIA roles and properties for the nav element. Location: <nav>...</nav> Explanation: The nav element should have appropriate ARIA roles and properties to make it more accessible. For example, it could have an aria-label attribute to provide a text alternative for the content of the navigation menu.

**8.**

Issue: Lack of ARIA roles and properties for the header element. Location: <header>...</header> Explanation: The header element should have appropriate ARIA roles and properties to make it more accessible. For example, it could have an aria-label attribute to provide a text alternative for the content of the header.

**9.**

Issue: Lack of ARIA roles and properties for the section element. Location: <section>...</section> Explanation: The section element should have appropriate ARIA roles and properties to make it more accessible. For example, it could have an aria-label attribute to provide a text alternative for the content of the section.

**10.**

Issue: Lack of

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Issue: Lack of ARIA roles and properties for the nav element. Location: <nav>...</nav> Explanation: The nav element should have

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Workspace indexing: Done

New Conversation

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

Not using workspace