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> <head> <meta charset="UTF-8"> <meta name="viewport" content="width=device-width, initial-scale=1.0"> <link rel="stylesheet" href="styles.css"> <title>Your Website</title> <style> body { margin: 0; padding: 0; color: #333; /\* Set default text color for better contrast \*/ } h1 { color: white; background-color: #333; /\* Updated background color for better contrast \*/ padding: 10px; /\* Added padding for better visual appearance \*/ } p { color: #333; /\* Set paragraph text color for better contrast \*/ } button { color: white; background-color: #007BFF; /\* Updated background color for better contrast \*/ padding: 8px 16px; /\* Added padding for better visual appearance \*/ border: none; cursor: pointer; } button:hover { background-color: #0056b3; /\* Darker color on hover for better contrast \*/ } /\* Add any additional styles as needed \*/ </style> </head> <body> <header> <nav> <ul> <li><a href="#home">Home</a></li> <li><a href="#about">About</a></li> <li><a href="#services"></a></li> <li><a href="#contact">Contact</a></li> </ul> </nav> </header> <section id="home" class="hero"> <h1>Welcome to Your Website</h1> <p>This is a simple and functional website template.</p> <button onmousedown="playVideo()">Play Video</button> </section> <section id="about"> <h3>About Us</h3> <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. ...</p> </section> <section id="services"> <h2>Our Services</h2> <ul> <li>Service 1</li> <li>Service 2</li> <li>Service 3</li> </ul> </section> <section id="contact"> <h2>Contact Us</h2> <form> <label for="name">Name:</label> <input type="text" id="name" name="name" required> <br> <label for="email">Email:</label> <input type="email" id="email" name="email" required> <br> <input type="submit" value="Submit"> </form> </section> <meta http-equiv="refresh" content="0"> <footer> <p>&copy; 2023 Your Website. All rights reserved.</p> </footer> <script src="script.js"></script> </body> </html>``` Response format: Snippet with error: … Location of error: … WCAG Guideline violated: … Detection Algorithm: … Explanation of Error: …

Tabnine

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Snippet with error: The <meta http-equiv="refresh" content="0"> tag is used to automatically refresh the page after a certain amount of time. This can be disorienting for users, especially those with cognitive or neurological disabilities who rely on predictable page navigation. Location of error: The <meta http-equiv="refresh" content="0"> tag is located in the <head> section of the HTML document. WCAG Guideline violated: 2.2.1 Timing Adjustable (A) Detection Algorithm: The presence of the <meta http-equiv="refresh" content="0"> tag indicates that the page will automatically refresh after a certain amount of time, which violates the WCAG 2.2.1 guideline. Explanation of Error: The <meta http-equiv="refresh" content="0"> tag automatically refreshes the page after a certain amount of time, which can be disorienting for users, especially those with cognitive or neurological disabilities who rely on predictable page navigation. This feature should be removed or replaced with a more accessible method of navigation, such as a link or button that the user can click to navigate to the next page.

References (11)

1.

index.txt: 0-101

2.

index.html: 0-65

3.

index.html: 0-65

4.

index.html: 0-68

Show more

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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, here are other potential accessibility issues found in the provided HTML code:

**1.**

Lack of alt text for images: The code does not include any images, but if there were any, they should have alt text to provide a textual description for users who cannot see the images.

**2.**

Missing language attribute: The <html> tag should include a lang attribute to specify the language of the content. This helps assistive technologies like screen readers to correctly pronounce words and phrases.

**3.**

Inconsistent use of color contrast: While the code sets default text color and background color for better contrast, it does not specify contrast ratios. WCAG 2.2 recommends a contrast ratio of at least 4.5:1 for normal text and 3:1 for large text.

**4.**

Lack of ARIA roles and attributes: The code does not include any ARIA roles or attributes, which can help assistive technologies understand the structure and functionality of the page.

**5.**

Lack of keyboard navigation: The code does not include any keyboard navigation aids, such as tabindex attributes, which can help users navigate the page using only a keyboard.

**6.**

Lack of form validation: The code includes a form, but it does not include any form validation. This can lead to users submitting invalid data, which can cause confusion and frustration.

**7.**

Lack of descriptive links: The code includes links with generic text like "Home", "About", and "Contact". It would be more helpful to include descriptive text that accurately reflects the content of the linked page.

**8.**

Lack of headings hierarchy: The code includes headings like <h1>, <h2>, and <h3>, but it does not follow a logical hierarchy. A logical hierarchy of headings can help users understand the structure of the content and navigate it more easily.

**9.**

Lack of focus indication: When a page loads, the first interactive element should receive focus. This helps users who rely on keyboard navigation to quickly access the content. The code does not include any focus indication.

**10.**

Lack of captions and transcripts for media: If the page includes any media content like videos or audio, it should include captions and transcripts to make it accessible to users who are deaf or hard of hearing.

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

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I apologize for the confusion. I have already listed all the potential accessibility issues found in the provided HTML code in my previous response. Here is a summary of the issues:

**1.**

Lack of alt text for images

**2.**

Missing language attribute

**3.**

Inconsistent use of color contrast

**4.**

Lack of ARIA roles and attributes

**5.**

Lack of keyboard navigation

**6.**

Lack of form validation

**7.**

Lack of descriptive links

**8.**

Lack of headings hierarchy

**9.**

Lack of focus indication

**10.**

Lack of captions and transcripts for media

These issues, if addressed, can significantly improve the accessibility of the website for users with different abilities.

Copy

Can you provide more information on how to add alt text for images in the HTML code?

Workspace indexing: Done

New Conversation

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

Using workspace