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"> <title>Music Player</title> <link rel="stylesheet" href="styles.css"> </head> <body> <!-- Navigation Bar --> <nav> <ul> <li><a href="#">Home</a></li> <li><a href="#">Browse</a></li> <li><a href="#">Playlists</a></li> <li><a href="#">Favorites</a></li> </ul> </nav> <!-- Header Section with Background Image --> <header class="header-bg"> <h1>Discover and Enjoy Your Favorite Music</h1> <p>Listen to the latest tracks and create your own playlists</p> <a href="#browse" class="btn">Browse Music</a> </header> <!-- Browse Music Section --> <section id="browse"> <h3>Browse Music</h3> <!-- Add music cards with images, artist names, and play buttons --> <div class="music-card"> <img src="song1.jpg" alt="Song 1"> <h2>Song 1</h2> <p><b>Artist Name</b></p> <button class="play-btn"></button> </div> <!-- Add more music cards here --> </section> <!-- Video Section --> <section id="video"> <h2>Watch Music Videos</h2> <video autoplay> <source src="music-video.mp4" type="video/mp4"> Your browser does not support the video tag. </video> </section> <!-- Create Playlist Section --> <section id="create-playlist"> <h2>Create Your Playlist</h2> <form> <input type="text" id="playlist-name" name="playlist-name" required> <label for="song-list">Song List:</label> <textarea id="song-list" name="song-list" rows="4" required></textarea> <button type="submit" class="btn">Create Playlist</button> </form> </section> <!-- Footer Section --> <footer> <p>&copy; 2023 Music Player</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

Tabnine + Mistral

Snippet with error:

Location of error:

- The `<nav>` element does not have a `role` attribute to specify its purpose.

- The `<header>` and `<footer>` elements do not have `role` attributes to specify their purpose.

- The `<video>` element does not have a `role` attribute to specify its purpose.

- The `<form>` element does not have a `role` attribute to specify its purpose.

- The `<button>` element does not have a `role` attribute to specify its purpose.

- The `<input>` element does not have a `role` attribute to specify its purpose.

- The `<textarea>` element does not have a `role` attribute to specify its purpose.

- The `<label>` element does not have a `for` attribute to associate it with the correct form element.

Insert

Copy

WCAG Guideline violated:

4.1: Use of color: Text has a contrast ratio of at least 4.5:1.

1.3.1: Info and relationships: Headings and labels describe topic or purpose.

2.4.6: Headings and labels: All functionality is available through keyboard interface.

2.4.7: Focus visible: Any keyboard operable user interface has a visible focus indicator.

2.4.9: Link purpose (in context): Link purpose (whether to activate the link or another purpose) can be determined from the link text alone.

3.2.2: On input: Labels and instructions are available when users need them.

4.1.2: Name, role, value: For all user interface components with labels, the label text describes the purpose of the component or a mechanism is available to associate a text label with the component.

Detection Algorithm:

- Check if each element has a `role` attribute to specify its purpose.

- Check if the `<nav>` element has a `role` attribute to specify its purpose.

- Check if the `<header>` and `<footer>` elements have `role` attributes to specify their purpose.

- Check if the `<video>` element has a `role` attribute to specify its purpose.

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- Check if the `<label>` element has a `for` attribute to associate it with the correct form element.

- Check if the `<input>` and `<textarea>` elements have `aria-label` or `aria-labelledby` attributes to provide a text label.

- Check if the `<label>` elements have `for` attributes to associate them with the correct form elements.

- Check if the `<input>` and `<textarea>` elements have `placeholder` attributes to provide a hint about their purpose.

- Check if the `<input>` and `<textarea>` elements have `required` attributes to indicate that they must be filled out.

- Check if the `<input>` and `<textarea>` elements have `aria-required` attributes to indicate that they must be filled out.

- Check if the `<input>` and `<textarea>` elements have `aria-invalid` attributes to indicate that they are invalid.

- Check if the `<input>` and `<textarea>` elements have `aria-describedby` attributes to provide a description of their purpose.

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Insert

Copy

Explanation of Error: The HTML code provided does not meet WCAG 2.2 guidelines in several areas. The <nav>, <header>, <footer>, <video>, <form>, <button>, <input>, and <textarea> elements do not have role attributes to specify their purpose. The <label> elements do not have for attributes to associate them with the correct form elements. The <input> and <textarea> elements do not have aria-label or aria-labelledby attributes to provide a text label. The <input> and <textarea> elements do not have placeholder attributes to provide a hint about their purpose. The <input> and <textarea> elements do not have required attributes to indicate that they must be filled out. The <input> and <textarea> elements do not have aria-required attributes to indicate that they must be filled out. The <input> and <textarea> elements do not have aria-invalid attributes to indicate that they are invalid. The <input> and <textarea> elements do not have aria-describedby attributes to provide a description of their purpose. These issues need to be addressed to ensure that the website is accessible to all users, including those with disabilities.

References (11)

1.

index.txt: 0-80

2.

index.html: 0-70

3.

index.html: 0-70

4.

index.html: 0-71

Show more

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What are the specific changes needed to make the 'nav', 'header', 'footer', 'video', 'form', 'button', 'input', and 'textarea' elements accessible according to WCAG 2.2 guidelines?

Workspace indexing: Done

New Conversation

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

Using workspace