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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="tx"> <head> <meta charset="UTF-8"> <meta name="viewport" content="width=device-width, initial-scale=1.0"> <title>Your Hospital Name</title> <style> body { margin: 0; padding: 0; font-family: Arial, sans-serif; } header h1 { color: #333; /\* Set a darker text color for better contrast \*/ } header p { color: #333; /\* Set a darker text color for better contrast with the light background \*/ } header { background-image: url('hospital-banner.jpg'); background-size: cover; color: #fff; text-align: center; padding: 80px 0; } nav { background-color: #333; color: #fff; padding: 10px; text-align: center; } nav a { color: #fff; text-decoration: none; padding: 10px 20px; margin: 0 10px; font-weight: bold; } section { padding: 50px 20px; } video { width: 100%; height: auto; } .container { max-width: 1200px; margin: 0 auto; } /\* Adjusted button styles for better contrast \*/ button { background-color: #007BFF; color: #fff; padding: 10px 20px; font-size: 18px; /\* Larger font size for better readability \*/ border: none; cursor: pointer; } /\* Adjusted button styles for better contrast with type="submit" \*/ button[type="submit"] { background-color: #007BFF; color: #fff; padding: 10px 20px; font-size: 18px; /\* Larger font size for better readability \*/ border: none; cursor: pointer; } /\* Additional style for better contrast on hover or focus \*/ button:hover, button:focus, button[type="submit"]:hover, button[type="submit"]:focus { background-color: #0056b3; /\* Darker shade on hover or focus for better visual feedback \*/ } footer { background-color: #333; color: #fff; text-align: center; padding: 20px 0; } </style> </head> <body> <header> <h1>Your Hospital Name</h1> <p>Welcome to our state-of-the-art healthcare facility</p> </header> <nav> <a href="#home">Home</a> <a href="#services">Services</a> <a href="#departments">Departments</a> <a href="#contact">Contact</a> </nav> <section id="home"> <div id="container"> <h2>Welcome to Our Hospital</h2> <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. ...</p> <button>Learn More </div> </section> <section id="services"> <div id="container"> <h2>Our Services</h2> <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. ...</p> </div> </section> <section id="video"> <div class="container"> <h2>Take a Virtual Tour</h2> <video controls> <source src="hospital-tour.mp4" type="video/mp4"> Your browser does not support the video tag. </video> </div> </section> <section id="contact"> <div class="container"> <h2>Contact Us</h2> <form> <label for="username">Username:</label><br> <input type="text" id="username" name="username"><br> <label for="password"></label><br> <input type="password" id="pwd" name="pwd"> <input type="radio" id="1" name="fav\_number" value="1"> <input type="radio" id="2" name="fav\_number" value="2"> <label for="2">2</label><br> <input type="radio" id="3" name="fav\_number" value="3"> <label for="3">3</label> <input type="checkbox" id="vehicle1" name="vehicle1" value="Bike"> <label for="vehicle1"> I have a bike</label><br> <input type="checkbox" id="vehicle2" name="vehicle2" value="Car"> <label for="vehicle2"> I have a car</label><br> <input type="checkbox" id="vehicle3" name="vehicle3" value="Boat"> <label for="vehicle3"> I have a boat</label> <label for="myfile">Select a file:</label> <input type="file" id="myfile" name="myfile"> <button type="submit">Submit</button> </form> </div> </section> <footer> <p>&copy; 2023 Your Hospital Name. All rights reserved.</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:

<input type="password" id="pwd" name="pwd">

Insert

Copy

Location of error:

<input type="password" id="pwd" name="pwd">

Insert

Copy

WCAG Guideline violated: 1.3.1 Info and Relationships (Minimum): Provide text alternatives for any non-text content so that it can be changed into other forms people need, such as large print, braille, speech, symbols or simpler language. 1.4.1 Use of Color (Minimum): Do not use color as the only visual means of conveying information, indicating an action, prompting a response, or distinguishing a visual element. 1.4.3 Contrast (Minimum): The visual presentation of text and images of text has a contrast ratio of at least 4.5:1, except for the following: (Level AA) Large Text: Large-scale text and images of large text have a contrast ratio of at least 3:1. 2.4.6 Headings and Labels: All functionality of the Web page can be operated through a keyboard interface without requiring specific timings for individual keystrokes, except where the underlying function requires it. 2.4.7 Focus Visible: Anything that is focusable and is not a descendant of the top-level focusable element should be keyboard focus visible. Detection Algorithm:

**1.**

Check if the input field has an associated label.

**2.**

If there is no label, check if the input field has a title or aria-label attribute.

**3.**

If there is no title or aria-label attribute, check if the input field has a parent form element with a label.

**4.**

If none of the above conditions are met, the input field is not accessible. Explanation of Error: The input field with type="password" does not have an associated label, title, or aria-label attribute. This makes it difficult for users with screen readers or other assistive technologies to understand what information is being requested. Additionally, the lack of a label or other descriptive text can make it difficult for users to understand the purpose of the input field. To improve accessibility, an associated label should be added to the input field.

References (1)

1.

index.txt: 0-175

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

Tabnine

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There are no additional issues found within the scope of the provided HTML code. The code provided is mostly accessible and follows WCAG 2.2 guidelines. However, it's important to note that the code provided is only a part of a complete website and may not cover all possible accessibility issues that might arise in a full website. Always ensure to thoroughly test your website with various assistive technologies and real users to ensure full accessibility.

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index.txt: 0-175

Copy

Are there any other potential issues with the form in the 'Contact Us' section?

Workspace indexing: Done

New Conversation

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

Not using workspace