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" /> <title>Bookstore</title> <link rel="stylesheet" href="styles.css" /> </head> <body> <!-- Navigation Bar --> <nav> <ul> <li><a href="#home">Home</a></li> <li><a href="#books">Books</a></li> <li><a href="#about">About</a></li> <li><a href="#contact">Contact</a></li> </ul> </nav> <!-- Header with Background Image --> <header style="background-image: url('header-image.jpg')"> <h1>Welcome to our Bookstore</h1> <p>Explore a vast collection of books.</p> </header> <!-- Search Bar and Filters --> <section id="filters"> <label for="search">Search:</label> <input type="text" id="search" placeholder="Search..." aria-label="Search" /> <select id="filter"> <option value="genre">Genre</option> <option value="author">Author</option> <!-- Add more filter options --> </select> <button>Apply Filters</button> </section> <!-- Book Display Section --> <section id="books"> <!-- Display books dynamically from database --> <!-- Example book --> <div class="book"> <img src="book-cover.jpg" /> <h2>Book Title</h2> <p>Author: Author Name</p> <font size="5">Description of the book...</font> <button>Read More</button> </div> <!-- Add more books dynamically --> </section> <!-- Video about the Bookstore --> <section id="video"> <h2><b>Discover Our Bookstore</b></h2> <video autoplay> <source src="bookstore-video.mp4" type="video/mp4" /> Your browser does not support the video tag. </video> </section> <!-- Contact Form --> <section id="contact"> <h2>Contact Us</h2> <form action="submit.php" method="POST"> <label for="name">Your Name:</label> <input type="text" id="name" name="name" placeholder="Your Name" /> <label for="email">Your Email:</label> <input type="email" id="email" name="email" placeholder="Your Email" /> <label for="message">Your Message:</label> <textarea id="message" name="message" placeholder="Your Message" ></textarea> <button type="submit">Send</button> </form> </section> <!-- Footer --> <footer> <p>&copy; 2023 Bookstore. All rights reserved.</p> </footer> <!-- JavaScript for interactivity --> <script src="scripts.js"></script> </body> </html> ``` Response format: Snippet with error: … Location of error: … WCAG Guideline violated: … Detection Algorithm: … Explanation of Error: …

Snippet with error: <img src="book-cover.jpg" /> Location of error: Section id="books", div class "book" WCAG Guideline violated: 1.1.1 Non-text Content Detection Algorithm: Check for missing alt attributes on img elements. Explanation of Error: The img element is missing an alt attribute, which is necessary to provide a text alternative for screen readers and other assistive technologies.

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

Snippet with error: <header style="background-image: url('header-image.jpg')"> Location of error: header element WCAG Guideline violated: 1.4.5 Images of Text Explanation of Error: If the background image contains important text, it violates WCAG guidelines because the text is not adjustable.

Snippet with error: <video autoplay> Location of error: Section id="video" WCAG Guideline violated: 1.4.2 Audio Control Explanation of Error: Autoplaying videos with sound can disrupt or disorient users, violating guidelines for having control over audio that plays automatically.

Snippet with error: <label for="search">Search:</label> <input type="text" id="search" ...> Location of error: section id="filters" WCAG Guideline violated: 3.3.2 Labels or Instructions Explanation of Error: While the label is correctly associated with the input for search, the select element for filtering lacks a corresponding label, which is needed for understanding and operability.

Snippet with error: <font size="5">Description of the book...</font> Location of error: Section id="books", in the div class "book" WCAG Guideline violated: 1.3.1 Info and Relationships Explanation of Error: Using font tags to adjust size is obsolete HTML and could potentially disrupt text hierarchy and semantic structure, which assistive technologies rely on.

Snippet with error: <select id="filter"> Location of error: section id="filters" WCAG Guideline violated: 1.3.1 Info and Relationships Explanation of Error: The select element is missing a label, which is necessary for accessibility to ensure users understand the purpose of the dropdown.

Snippet with error: <section id="video"> <video autoplay> Location of error: Section id="video" WCAG Guideline violated: 2.2.2 Pause, Stop, Hide Explanation of Error: The video element lacks controls to pause, stop, or hide the video, which is necessary for users needing to control moving, blinking, or scrolling content.

These snippets and their related issues are just a part of ensuring web content meets accessibility standards. Correcting these errors makes the content more accessible to everyone, including users with disabilities.

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

Snippet with error: <nav>...<ul>...<li><a href="#home">Home</a></li>...</ul>...</nav> Location of error: Navigation bar WCAG Guideline violated: 2.4.1 Bypass Blocks Explanation of Error: The site lacks a mechanism to allow users to skip repeated blocks of content, such as a "Skip to Content" link at the beginning of the page.

Snippet with error: <a href="#home">Home</a> Location of error: Navigation link WCAG Guideline violated: 2.4.4 Link Purpose (In Context) Explanation of Error: The link's href #home suggests it might not lead to an informative section or that the ID referenced might not exist, potentially confusing users about the purpose of the link.

Snippet with error: <form action="submit.php"... Location of error: Contact Form section WCAG Guideline violated: 3.3.1 Error Identification Explanation of Error: The form does not contain any mention of error handling or error description mechanisms before form submission, which are necessary for users to correct mistakes.

Snippet with error: <input type="text" id="name" name="name"... Location of error: Contact Form section WCAG Guideline violated: 1.3.5 Identify Input Purpose Explanation of Error: The input elements lack attributes such as autocomplete that help assistive technologies understand the purpose of the input and fill it out automatically for the user.

Snippet with error: <button>Apply Filters</button> Location of error: Filters section WCAG Guideline violated: 4.1.2 Name, Role, Value Explanation of Error: The button lacks an accessible name that adequately describes its purpose, which is essential for users navigating with screen readers or other assistive technologies.

Considering accessibility from the start of web development ensures a more inclusive experience for all users, avoiding potential barriers that prevent interaction with or access to web content.

New Chat (Alt-J)