Date: Dec 20, 2024
Tested By: Suraj Anand
Test Tool Used: Wave Accessibility Tool
Environment: [Specify browser and version, e.g., Chrome 119.0, MacOS Ventura]
Summary of Findings
The accessibility evaluation identified **7 errors**, **10 contrast errors**, and **16 alerts**, along with structural and ARIA elements that may need review. Below is a detailed breakdown of the issues.
Detailed Findings
Errors (7 Total)

1. **Missing Form Labels (5 Instances)**
   - *Description:* Form elements lack associated labels, making them inaccessible to screen readers.
   - *Impact:* Users relying on assistive technology may not understand the purpose of these form inputs.
   - *Fix:* Add descriptive <label> elements linked to their respective form inputs using the for attribute.
2. **Empty Links (2 Instances)**
   - *Description:* Links are present without any visible or accessible text.
   - *Impact:* Screen readers will not convey the purpose of these links to users.
   - *Fix:* Provide meaningful text within the <a> tags or use aria-label attributes.

Contrast Errors (10 Instances)

- *Description:* Text and background colors have insufficient contrast.
- *Impact:* Users with visual impairments or color blindness may find the text difficult to read.
- *Fix:* Adjust colors to meet WCAG AA or AAA contrast ratios (4.5:1 for normal text, 3:1 for large text).
- *Tools for Verification:* Use contrast checkers like [WebAIM Contrast Checker](#).

Alerts (16 Total)

1. **Redundant Alternative Text (3 Instances)**
   - *Description:* Alternative text duplicates surrounding text, providing no additional value.
   - *Fix:* Remove redundancy by ensuring alt text adds unique context.
2. **Suspicious Alternative Text (2 Instances)**
   - *Description:* Alternative text may not adequately describe the image.
   - *Fix:* Review and update the alt text to provide meaningful descriptions.
3. **Nearby Image with Same Alternative Text (3 Instances)**
   - *Description:* Multiple images share identical alt text, which may be misleading or unnecessary.
   - *Fix:* Ensure each image has context-appropriate alt text or mark decorative images with alt="".
4. **Missing First-Level Heading (1 Instance)**
   - *Description:* The page lacks an <h1> tag.
   - *Fix:* Add a clear and descriptive <h1> heading to define the page's main topic.
5. **Skipped Heading Level (1 Instance)**
   - *Description:* Heading levels are not sequential.

●   *Fix:* Ensure headings follow a logical order (e.g., <h1>, <h2>, <h3>).
6. **Possible Headings (5 Instances)**
    ●   *Description:* Text styled like a heading but not marked as such.
    ●   *Fix:* Use proper heading tags (<h2>, <h3>) for styled text meant to be headings.
7. **Redundant Link (1 Instance)**
    ●   *Description:* Multiple links lead to the same destination, creating redundancy.
    ●   *Fix:* Remove or combine redundant links.

Structural Elements (35 Total)

●   Includes headings, lists, inline frames, and content regions.
●   *Focus Area:* Ensure logical structure and semantic tagging for better accessibility.

ARIA (34 Total)

●   Includes roles, labels, tabindex, and expanded attributes.
●   *Focus Area:* Review ARIA roles and properties to ensure proper usage and compatibility.

Recommendations for Fixes

1. **Address Critical Errors First**
    ●   Focus on fixing missing form labels, empty links, and contrast errors to enhance basic accessibility.
2. **Review and Update Images and Text**
    ●   Ensure alternative text provides value, and avoid redundant or suspicious descriptions.
3. **Enhance Page Structure**
    ●   Add a first-level heading and ensure a logical heading hierarchy.
4. **Validate Contrast and ARIA Elements**
    ●   Use automated and manual tools to confirm compliance with WCAG standards.