

# Accessibility Evaluation Report – Video Streaming Application

## Overview

This report documents the findings from an accessibility evaluation conducted on the video streaming application. The evaluation was based on **WCAG 2.1** guidelines, focusing on critical compliance areas.

## List of Accessibility Issues

1. No visible focus indicators on interactive elements (buttons, links).
2. Keyboard navigation does not reach all content sections.
3. Missing alt attributes on some image elements.
4. Color contrast ratio is insufficient on buttons (e.g., white text on light blue background).
5. Subtitles toggle exists but no subtitles are displayed even when toggled.
6. No ARIA landmarks defined for navigation regions.
7. No "Skip to content" link for keyboard users.
8. Videos auto-refresh upon reload, which disrupts screen readers.
9. Form fields (e.g., login inputs) are missing accessible labels.
10. Dynamic content updates (e.g., error messages) are not announced to screen readers.

## WCAG 2.1 Compliance Analysis

- **Principle 1 – Perceivable:** Fails due to missing alt text, insufficient contrast, and missing subtitles.
- **Principle 2 – Operable:** Fails due to lack of full keyboard access and absence of skip links.
- **Principle 3 – Understandable:** Partially compliant; labels missing on form inputs.
- **Principle 4 – Robust:** Partially compliant; dynamic updates are not announced to assistive technologies.

## Recommendations for Improvement

1. Add visible focus outlines for all interactive elements.
2. Ensure keyboard users can access and navigate every page section.
3. Provide meaningful and descriptive alt text for all images.

4. Adjust color combinations to meet the minimum 4.5:1 contrast ratio.
5. Ensure subtitles load and display correctly when enabled.
6. Use ARIA roles (e.g., role="main", role="navigation") to define regions.
7. Add a "Skip to content" link at the top of the page.
8. Prevent unnecessary auto-refreshes, or use aria-live for content updates.
9. Use <label for> or aria-label to associate text with input fields.
10. Use ARIA live regions (e.g., aria-live="polite") to announce dynamic content like errors.