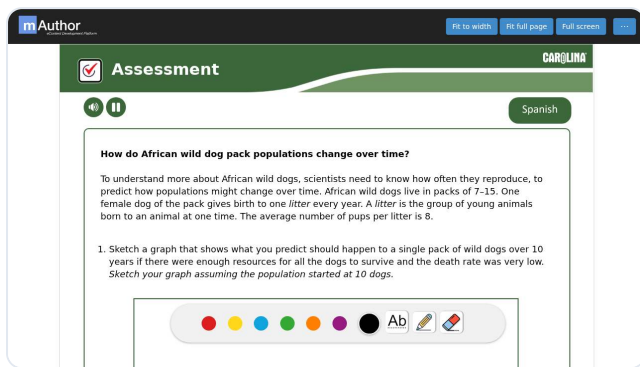


Web Accessibility Audit Report

Automated WCAG 2.1 A/AA analysis — **Does Not Conform**

URL Scanned:	https://www.mauthor.com/present/5384431920873472	Scan Date:	June 1, 2026 at 08:41 AM
Tools Used:	axe-core, Playwright, runtime-crawler	Testing Type:	Automated + Runtime Exploration
WCAG Version:	2.2 Level AA	Browser:	Chromium (Playwright)

PAGE PREVIEW (WHEN SCAN ENDED)



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1. Executive Summary

Total Issues

16

Critical

4

Serious

10

Moderate

0

Compliance Score

77%

Does Not Conform

Conformance Statement:

Does not conform to WCAG 2.1 AA

Score calculated as:

(48 passed checks / 62 total checks) × 100.

2. Scope & Methodology

Parameter	Details
Tools Used	axe-core, Playwright, runtime-crawler
Testing Type	Automated + Runtime Exploration
WCAG Standard	WCAG 2.2 Level AA
Browser / Engine	Chromium (Playwright)
Scan Date	6/1/2026, 8:41:34 AM
Iframe Scanning	Same-origin iframes included
Dynamic Content	DOM mutation observer active during session

3. Issue Summary

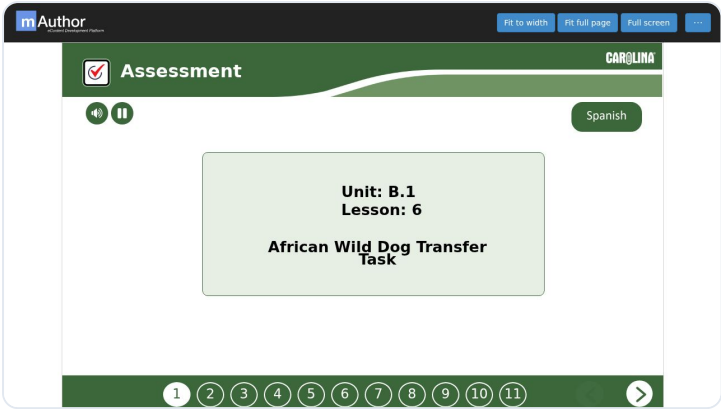
Rule ID	Severity	WCAG SC	Description	Affected Elements
image-alt	CRITICAL	1.1.1 WCAG A	Images must have alternative text	4
label	CRITICAL	1.3.1 WCAG A	Form elements must have labels	1
document-title	SERIOUS	2.4.2 WCAG A	Page must have a descriptive title	1
html-has-lang	SERIOUS	3.1.1 WCAG A	HTML element must have a lang attribute	1
aria-command-name	SERIOUS	4.1.2 WCAG AA	Aria Command Name	5
color-contrast	SERIOUS	1.4.3 WCAG AA	Text must have sufficient color contrast	3
frame-title	SERIOUS	2.4.1 WCAG A	Frames must have accessible titles	1

4. Screens & issues by screen

Each row is one detected screen: viewport snapshot (when available) and every accessibility issue tied to that screen. Highlighted element captures still appear under each rule in section 5.

Screen 2 — <https://www.mauthor.com/present/5384431920873472>

Viewport at time of scan.



ISSUES ON THIS SCREEN (9)

#	Impact	Rule	Finding	Selector
1	CRITICAL	image-alt	Images must have alternative text	#logo
2	SERIOUS	aria-command-name	ARIA commands must have an accessible name	#NextPage1
3	SERIOUS	aria-command-name	ARIA commands must have an accessible name	#PreviousPage1
4	SERIOUS	color-contrast	Elements must meet minimum color contrast ratio thresholds	#display-fit-to-window-btn
5	SERIOUS	color-contrast	Elements must meet minimum color contrast ratio thresholds	#display-fit-full-page-btn
6	SERIOUS	color-contrast	Elements must meet minimum color contrast ratio thresholds	#display-full-screen-button
7	SERIOUS	document-title	Documents must have <title> element to aid in navigation	html
8	SERIOUS	frame-title	Frames must have an accessible name	#content-iframe
9	SERIOUS	html-has-lang	<html> element must have a lang attribute	html

Viewport at time of scan.



Adapted from: Andreas 06; Data Source: Lyamuya, R.D. (2011)



Adapted from: Andreas 06; Data Source: Lyamuya, R.D. (2011)

For over 20 years, one population of African wild dogs has been protected and monitored in South Africa.

Scientists wanted to bring some of the wild dogs from South Africa to a new national park in Malawi to establish a new pack, but they did not know how many dogs the park could support. They decided to study the dogs in South Africa to see if they could figure out what limiting factors affect the African wild dogs' population and predict how many dogs they could bring to Malawi.

By the end of this task, you will be asked to explain:

- Limiting factors that affect the size of African wild dog packs.
- If a newly established park can support a pack of wild dogs.

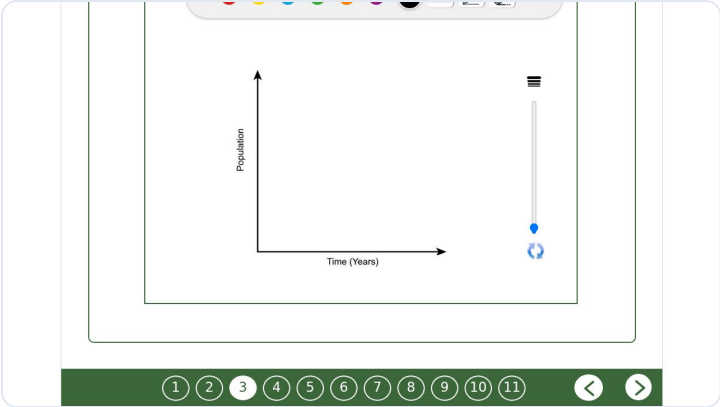
1234567891011

<>

ISSUES ON THIS SCREEN (0)

No issues recorded for this screen.

Viewport at time of scan.

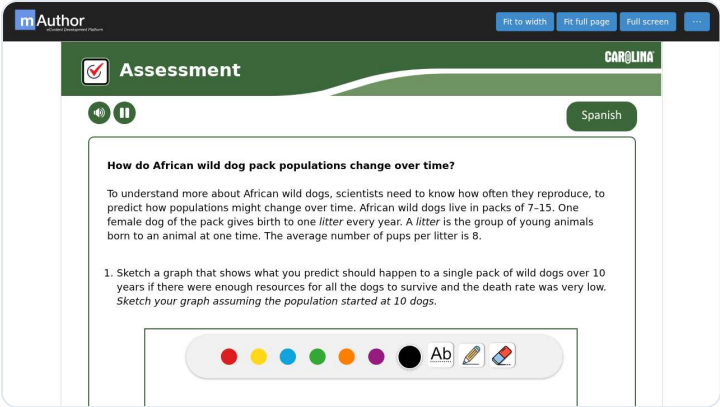


ISSUES ON THIS SCREEN (7)

#	Impact	Rule	Finding	Selector
1	CRITICAL	image-alt	Images must have alternative text	#African_OSE1 > .mb-20.drawing-section > div:nth-child(1) > .drawing-header > .drawing-header-navi.d-grid.justify-content...
2	CRITICAL	image-alt	Images must have alternative text	#African_OSE1 > .mb-20.drawing-section > div:nth-child(1) > .drawing-header > .drawing-header-navi.d-grid.justify-content...
3	CRITICAL	image-alt	Images must have alternative text	#African_OSE1 > .mb-20.drawing-section > div:nth-child(1) > .drawing-header > .drawing-header-navi.d-grid.justify-content...
4	CRITICAL	label	Form elements must have labels	#African_OSE1 > .mb-20.drawing-section > .drawing-body.d-grid.align-items-center > .drawing-navi.right.d-grid-column > u...
5	SERIOUS	aria-command-name	ARIA commands must have an accessible name	#Limited_Reset1
6	SERIOUS	aria-command-name	ARIA commands must have an accessible name	#NextPage1
7	SERIOUS	aria-command-name	ARIA commands must have an accessible name	#PreviousPage1

Final page state (end of session)

Captured when the dynamic scan was stopped.



5. Detailed Accessibility Findings

Images must have alternative text

WCAG SC 1.1.1 | 4 affected elements | Effort: Low

DESCRIPTION

Images convey information visually. Without an alt attribute, assistive technologies cannot communicate that information to users who cannot see the image.

ROOT CAUSE

The `<img>` element is missing an alt attribute, or the alt attribute is empty when the image is meaningful.

FIX RECOMMENDATION

Add a concise, descriptive alt attribute to every meaningful image. For decorative images use `alt=""` so screen readers skip them.

WCAG Technique: H37, ARIA6

IMPACT ON USERS

Screen Reader Users

Screen reader users hear nothing or a raw filename instead of the image meaning.

Keyboard Users

No direct impact.

Low Vision Users

Users relying on text zoom lose the image context.

Code Example

BEFORE (NON-COMPLIANT)

```

```

AFTER (COMPLIANT FIX)

```

```

AFFECTED ELEMENTS (4)

Instance 1

Selector: `#logo`

Element: ``

Fix any of the following: Element does not have an alt attribute aria-label attribute does not exist or is empty aria-labelledby attribute does

Instance 2

Selector: `#African_OSE1 > .mb-20.drawing-section > div:nth-child(1) > .drawing-header > .drawing-header-navi.d-grid.justify-content-center > .drawing-colors > .button[aria-label="Add Text"][type="button"] > img`

Element: ``

Fix any of the following: Element does not have an alt attribute aria-label attribute does not exist or is empty aria-labelledby attribute does

Instance 3

Selector: `#African_OSE1 > .mb-20.drawing-section > div:nth-child(1) > .drawing-header > .drawing-header-navi.d-grid.justify-content-center > .drawing-colors > .button[aria-label="Pen"][type="button"] > img`

Element: ``

Fix any of the following: Element does not have an alt attribute aria-label attribute does not exist or is empty aria-labelledby attribute does

Instance 4

Selector: `#African_OSE1 > .mb-20.drawing-section > div:nth-child(1) > .drawing-header > .drawing-header-navi.d-grid.justify-content-center > .drawing-colors > .button[aria-label="Erase"][type="button"] > img`

Element: ``

Fix any of the following: Element does not have an alt attribute aria-label attribute does not exist or is empty aria-labelledby attribute does

Form elements must have labels

WCAG SC 1.3.1 | 1 affected element | Effort: Low

DESCRIPTION

Every form control must have a programmatically associated label so assistive technologies can announce the field purpose.

ROOT CAUSE

The form control is missing a <label> element linked via for/id, or lacks aria-label / aria-labelledby.

FIX RECOMMENDATION

Associate a visible <label> using the for attribute matching the input id, or add aria-label for controls without visible labels.

WCAG Technique: H44, ARIA16

IMPACT ON USERS

Screen Reader Users

Screen reader users cannot identify what information a field expects.

Keyboard Users

Keyboard users cannot determine field purpose without a visible label.

Low Vision Users

Users relying on screen magnification lose context when the label is not programmatically associated.

Code Example

BEFORE (NON-COMPLIANT)

```
<input type="text" id="email">
```

AFTER (COMPLIANT FIX)

```
<label for="email">Email address</label>
<input type="text" id="email">
```

AFFECTED ELEMENTS (1)

Instance 1

Selector: #African_OSE1 > .mb-20.drawing-section > .drawing-body.d-grid.align-items-center > .drawing-navi.right.d-grid-column > ul > li:nth-child(2) > .d-flex.drawing-range.justify-content-center > .pen-range[type="range"][min="1"]

Element: <input id="strokeWidth" type="range" min="1" max="100" orient="vertical" class="pen-range" tabindex="-1" value="3" style="">

Fix any of the following: Element does not have an implicit (wrapped) <label> Element does not have an explicit <label> aria-label attribute

Page must have a descriptive title

WCAG SC 2.4.2 | 1 affected element | Effort: Low

DESCRIPTION

Each page must have a <title> element that describes its topic or purpose.

ROOT CAUSE

The <title> element is missing, empty, or contains only a generic value like "Untitled".

FIX RECOMMENDATION

Set a unique, descriptive <title> for every page: "Page Name - Site Name".

WCAG Technique: G88, H25

IMPACT ON USERS

Screen Reader Users

Screen reader users hear the page title first; a missing or generic title provides no context.

Keyboard Users

No direct impact.

Low Vision Users

No direct impact.

Code Example

BEFORE (NON-COMPLIANT)

```
<title>Untitled</title>
```

AFTER (COMPLIANT FIX)

```
<title>Dashboard - Accessibility Hub</title>
```

AFFECTED ELEMENTS (1)

Instance 1

Selector: `html`

Element: `<html>`

Fix any of the following: Document does not have a non-empty <title> element

HIGHLIGHTED ISSUE CAPTURE



HTML element must have a lang attribute

WCAG SC 3.1.1 | 1 affected element | Effort: Low

DESCRIPTION

The <html> element must have a lang attribute identifying the primary language of the page.

ROOT CAUSE

The lang attribute is missing from the <html> element.

FIX RECOMMENDATION

Add lang="en" (or the appropriate BCP 47 language tag) to the <html> element.

WCAG Technique: H57

IMPACT ON USERS

Screen Reader Users

Screen readers use the lang attribute to select the correct pronunciation engine. Without it, content may be read in the wrong language.

Keyboard Users

No direct impact.

Low Vision Users

No direct impact.

Code Example

BEFORE (NON-COMPLIANT)

```
<html>
```

AFTER (COMPLIANT FIX)

```
<html lang="en">
```

AFFECTED ELEMENTS (1)

Instance 1

Selector: `html`

Element: `<html>`

Fix any of the following: The <html> element does not have a lang attribute

HIGHLIGHTED ISSUE CAPTURE



Aria Command Name

WCAG SC 4.1.2 | 5 affected elements | Effort: Medium

DESCRIPTION

This rule checks for an accessibility requirement.
Review the element in context.

ROOT CAUSE

The element does not meet the accessibility requirement for this rule.

FIX RECOMMENDATION

Review the axe-core documentation for this rule and apply the recommended fix for the specific element.

IMPACT ON USERS

Screen Reader Users

May affect screen reader users depending on the element type.

Keyboard Users

May affect keyboard navigation depending on the element type.

Low Vision Users

May affect users with low vision depending on the element type.

AFFECTED ELEMENTS (5)

Instance 1

Selector: `#NextPage1`

Element: `<div tabindex="0" class="ic_button_nextpage ic_button_nextpage-up" role="button" aria-pressed="false" aria-hidden="false" id="NextPage1" style="width: 47px; height: 47px; position: absolute; left: 100px; top: 100px; background-color: #f0f0f0; border: 1px solid #ccc; border-radius: 4px; text-align: center; line-height: 47px; font-size: 1.2em; color: #333; cursor: pointer; display: inline-block; vertical-align: middle; margin: 5px 10px;">>`

Fix any of the following: Element does not have text that is visible to screen readers aria-label attribute does not exist or is empty aria-label

HIGHLIGHTED ISSUE CAPTURE



Instance 2

Selector: `#PreviousPage1`

Element: `<div tabindex="0" class="ic_button_prevpage ic_button_prevpage-up-disabled" role="button" aria-hidden="false" id="PreviousPage1" style="width: 51px; height: 47px; position: absolute; left: 916px; top: 100px; background-color: #f0f0f0; border: 1px solid #ccc; border-radius: 4px; text-align: center; line-height: 47px; font-size: 1.2em; color: #333; cursor: pointer; display: inline-block; vertical-align: middle; margin: 5px 10px;"><`

Fix any of the following: Element does not have text that is visible to screen readers aria-label attribute does not exist or is empty aria-label

HIGHLIGHTED ISSUE CAPTURE



Instance 3

Selector: `#Limited_Reset1`

Element: `<div tabindex="0" class="ic_button_limited_reset ic_button_limited_reset-up" role="button" aria-hidden="false" id="Limited_Reset1" aria-pressed="false" style="width: 55px; height: 55px; position: absolute; left: 100px; top: 100px; background-color: #f0f0f0; border: 1px solid #ccc; border-radius: 4px; text-align: center; line-height: 55px; font-size: 1.2em; color: #333; cursor: pointer; display: inline-block; vertical-align: middle; margin: 5px 10px;">↺↻`

Fix any of the following: Element does not have text that is visible to screen readers aria-label attribute does not exist or is empty aria-label

HIGHLIGHTED ISSUE CAPTURE



Instance 4

Selector: `#NextPage1`

Element: `<div tabindex="0" class="ic_button_nextpage ic_button_nextpage-up" role="button" aria-pressed="false" aria-hidden="false" id="NextPage1" style="width: 47px; height: 47px; position: absolute; left: 100px; top: 100px; background-color: #f0f0f0; border: 1px solid #ccc; border-radius: 4px; text-align: center; line-height: 47px; font-size: 1.2em; color: #333; cursor: pointer; display: inline-block; vertical-align: middle; margin: 5px 10px;">>`

Fix any of the following: Element does not have text that is visible to screen readers aria-label attribute does not exist or is empty aria-label

HIGHLIGHTED ISSUE CAPTURE



Instance 5

Selector: #PreviousPage1

Element: <div tabindex="0" class="ic_button_prevpage ic_button_prevpage-up" role="button" aria-pressed="false" aria-hidden="false" id="PreviousPage1" style="width: 51px; height: 47px; position: absolute; left:...

Fix any of the following: Element does not have text that is visible to screen readers aria-label attribute does not exist or is empty aria-label

HIGHLIGHTED ISSUE CAPTURE



Text must have sufficient color contrast

WCAG SC 1.4.3 | 3 affected elements | Effort: Low

DESCRIPTION

Text and images of text must have a contrast ratio of at least 4.5:1 against the background (3:1 for large text $\geq 18\text{pt}$ or $\geq 14\text{pt}$ bold).

ROOT CAUSE

The foreground text color and background color combination does not meet the minimum contrast ratio required by WCAG 1.4.3.

FIX RECOMMENDATION

Use a color contrast checker (e.g., WebAIM Contrast Checker) to find a compliant color pair. Darken the text or lighten/darken the background until the ratio meets 4.5:1.

WCAG Technique: G18, G145

IMPACT ON USERS

Screen Reader Users

No direct impact on screen readers.

Keyboard Users

No direct impact.

Low Vision Users

Low-contrast text is difficult or impossible to read for users with low vision or color blindness.

Code Example

BEFORE (NON-COMPLIANT)

```
/* text: #aaa on background: #fff - ratio ~2.3:1 */
color: #aaaaaa;
```

AFTER (COMPLIANT FIX)

```
/* text: #767676 on background: #fff - ratio 4.54:1 */
color: #767676;
```

AFFECTED ELEMENTS (3)

Instance 1

Selector: `#display-fit-to-window-btn`

Element: `<button class="btn btn-primary navbar-btn" id="display-fit-to-window-btn" data-text="Fit to width">Fit to width </button>`

Fix any of the following: Element has insufficient color contrast of 3.63 (foreground color: #ffffff, background color: #428bca, font size: 10.5pt (

Instance 2

Selector: `#display-fit-full-page-btn`

Element: `<button class="btn btn-primary navbar-btn" id="display-fit-full-page-btn" data-text="Fit full page">Fit full page </button>`

Fix any of the following: Element has insufficient color contrast of 3.63 (foreground color: #ffffff, background color: #428bca, font size: 10.5pt (

Instance 3

Selector: `#display-full-screen-btn`

Element: `<button class="btn btn-primary navbar-btn" id="display-full-screen-btn" data-text="Full screen">Full screen</button>`

Fix any of the following: Element has insufficient color contrast of 3.63 (foreground color: #ffffff, background color: #428bca, font size: 10.5pt (

SERIOUS

WCAG A

frame-title

[axe docs](#)

Frames must have accessible titles

WCAG SC 2.4.1 | 1 affected element | Effort: Low

DESCRIPTION

All <iframe> and <frame> elements must have a title attribute describing their content.

ROOT CAUSE

The title attribute is missing or empty on an <iframe> element.

FIX RECOMMENDATION

Add a descriptive title attribute to every <iframe>.

WCAG Technique: H64

IMPACT ON USERS

Screen Reader Users

Screen reader users cannot identify the purpose of an iframe without a title.

Keyboard Users

No direct impact.

Low Vision Users

No direct impact.

Code Example

BEFORE (NON-COMPLIANT)

```
<iframe src="map.html"></iframe>
```

AFTER (COMPLIANT FIX)

```
<iframe src="map.html" title="Office location map"></iframe>
```

AFFECTED ELEMENTS (1)

Instance 1

Selector: #content-iframe

Element: <iframe id="content-iframe" allowfullscreen="allowfullscreen" src="/embed/iframe/5384431920873472#" style="width: 1075px; height: 660px;"></iframe>

Fix any of the following: Element has no title attribute aria-label attribute does not exist or is empty aria-labelledby attribute does not exist

6. Prioritization & Fix Roadmap

Critical — Fix Immediately (5 issues)

image-alt	Images must have alternative text	Low
label	Form elements must have labels	Low

Serious — High Priority (11 issues)

document-title	Page must have a descriptive title	Low
html-has-lang	HTML element must have a lang attribute	Low
aria-command-name	Aria Command Name	Medium
color-contrast	Text must have sufficient color contrast	Low
frame-title	Frames must have accessible titles	Low

7. Compliance Summary

Overall Conformance: Does not conform to WCAG 2.1 AA

Passed Success Criteria

SC	Status
1.3.1	Supports
1.4.12	Supports
1.4.4	Supports
2.1.1	Supports
2.1.3	Supports
2.4.4	Supports
2.5.8	Supports
3.1.2	Supports
3.3.2	Supports

Failed Success Criteria

SC	Status
1.1.1	Does Not Support
1.4.3	Does Not Support
2.4.2	Does Not Support
3.1.1	Does Not Support
4.1.2	Does Not Support

8. Accessibility Testing Limitations

Important Notice

This compliance score is based on automated testing only. Manual testing with assistive technologies is required for full WCAG conformance validation. Automated tools typically detect 30-40% of all accessibility issues.

- Automated tools detect approximately 30–40% of all WCAG issues.
- Manual testing with screen readers (NVDA, JAWS, VoiceOver) is required for full validation.
- Cognitive accessibility, focus order, and reading order require human review.
- Dynamic content states (modals, tooltips, live regions) may require interactive testing.
- Color perception and motion sensitivity issues require manual evaluation.

9. Page Structure Audit

Element Type	Total	Issues
Images	2	2 without alt text
Links	20	1 empty links
H1 Headings	0	Expected exactly 1
H2 Headings	0	—
H3 Headings	0	—