

Accessibility Evaluation Report

For All In One Template

VERSION 1.5

UPDATED OCT 22ND 2026

1. Introduction

This report aims to provide an overview of the accessibility conformance of the AIO template, in accordance with the W3C's Web Content Accessibility Guidelines (WCAG) established by the World Wide Web Consortium (W3C).

The purpose of this report is to assess the compliance of the AIO template with WCAG guidelines, ensuring that it meets the necessary accessibility standards for a wide range of users. By examining the accessibility features and potential areas for improvement, this report aims to highlight the measures taken to enhance user experience and inclusivity of the AIO template.

Changes in version 1.5

Version 1.5 extends the review to the interactive content blocks (Carousel, Flip cards, Card sorting and Walkthrough) and to question blocks placed on content pages. It covers keyboard operation and screen-reader output of these blocks.

Note: Existing courses must be republished for the accessibility updates from this version to take effect.

2. Tools Used for Evaluation

Conformance evaluation of web accessibility was completed by manual testing and using semi-automated, industry standard tools. The tools used are:

- WAVE: Used to analyze the template for accessibility issues and generate reports.
- Site Improve Accessibility Checker: Scanned the template for violations and offered improvement suggestions.
- Google's Lighthouse: Conducted automated audits on accessibility, performance, and best practices.
- Manual Evaluation: Individuals from different teams conducted in-depth assessments of interactive elements, keyboard accessibility with screen readers (Jaws, NVDA, VoiceOver).

The changes in version 1.5 were checked with the keyboard only and with JAWS 2025.2508.120 on Windows.

These tools provided comprehensive insights into the template's accessibility compliance, enabling the identification of issues and recommendations for enhancements.

3. Scope of Review

The evaluation report covers the main AIO application and the standard question types. User added content is not evaluated.

The following areas of the application were covered:

- Login page
- Signup page
- Course Overview page
- Question and Content pages
- Interactive content blocks:
    - Carousel
    - Flip cards
    - Card sorting
    - Walkthrough
- Question blocks on content pages, with the question types listed below
- Question Types:
    - Single choice
    - Multiple choice
    - Fill in the blanks
    - Text matching
    - Statements
    - Open question
    - Ranking text
- Results page
- Learner Satisfaction Survey
- Resources:
    - Checklist
    - How-to guides
    - FlipCards

    - Show more
- Content within iframes, including audio player, video player, and PDF documents, etc.

4. Summary of Results

Results from multiple compliance testing applications and tools are summarized below:

The WAVE and Lighthouse results are from version 1.4 (October 2023). The areas added in version 1.5 were evaluated manually, see Manual testing.

Wave Accessibility Tool

Wave tool was run on every application area listed under Section 3 and the following is the summary:

- With contrast mode enabled, the AIO conforms to WCAG 2.1 AA rating at minimum for the contrast requirements.
- ARIA conformance is considered satisfactory through self-evaluation.
- Alerts are reported few pages, but none are considered critical errors by the tool. These can be improved iteratively.

For a more comprehensive understanding of the evaluation findings, please refer to the detailed WAVE report provided in the Appendix.

Google Lighthouse Tool



Accessibility

During the assessment of all application areas listed in Section 3, the Lighthouse report yielded the following summary:

- Across all pages and question types within Section 3, the AIO application obtained an average score of 98.2 (96.2 without contrast mode enabled).
- The sign up, Login and Results Page achieved the highest score of 100, demonstrating positive accessibility and usability.
- The course overview reported the lowest score of 93, indicating an opportunity for further improvement.

These findings provide insights into the performance of AIO in the context of Accessibility. The lighthouse test also provides a balanced assessment of its accessibility and user experience across different sections and question types.

Manual testing

Manual testing was conducted on every application area listed under Section 3 and the following is the summary:

- **All areas under section 3 are navigable with only the keyboard.**
- **The entire course from start to finish is navigable with only the keyboard.**
- **Interactive controls are keyboard focusable and provide visual cues.** Elements within iframe (audio and video player) are focusable but do not get visual cue. This can be improved.
- All areas under section 3 have logical tab order.
- **User focus is not accidentally trapped in any region throughout the application.**
- Users are “able to skip to main content” where the content may be more than 2 tabs away throughout the application.
- Custom controls have ARIA roles.
- Keyboard navigation along with screen readers such as Jaws, NVDA and Voice over was tested to ensure correct labels and roles assigned to elements in the application.
- **AIO shows conformant contrast between background and foreground when contrast mode is enabled.**

Interactive content blocks and question blocks (version 1.5):

- Each interactive block is entered and left with Tab. Inside the block, the arrow keys move between items: slides of a Carousel (Home and End jump to the first and last slide), and cards and categories in Card sorting. Each flip card has one Tab stop, its flip button. In Card sorting, Escape puts a picked-up card back.
- The full-screen Walkthrough is a modal dialog: Tab stays inside it, and closing it with its button or Escape returns focus to where it was opened. Focus is not contained anywhere else, so learners can always leave a block with Tab.
- Focus follows the activity: in Card sorting it moves to the next card after each correct drop, and to Restart when all cards are placed.
- Hidden content can't be reached with Tab or read by a screen reader: the slide fading out of a Carousel, the back of a flip card, and the Walkthrough player under the narrow-screen overlay.
- After Submit, focus moves to the feedback and its title is read. After Try again, focus moves to the first answer field.
- Dropdowns in Fill in the blanks and Text matching are read as combo boxes, and their options are not Tab stops.
- Blanks are numbered for screen readers ("Blank 2 of 4") and are read together with the sentence around them. When correct answers are shown after Submit, a wrong blank is read as "Incorrect. Correct option: …".
- Decorative icons are hidden from screen readers.

5. Exceptions and Exclusions

1. Certain question types like single choice image, hotspot etc. require users to visually identify the images to be able to answer the question.

2. Other question types e.g., drag and drop were evaluated to be accessible and navigable by keyboard, but should be evaluated according to accessibility needs by authors.

Our recommendation is to avoid using such question types in courses where accessibility is of primary concern.

3. WAVE tool reported incorrectly reported bad contrast in some cases, these were manually verified to be correct and in accordance with WCAG 2.1 AA rating. The details can be seen in the appendix.

4. The focus indicator is a fixed black outline. On dark backgrounds it does not reach the 3:1 contrast required by WCAG 1.4.11 Non-text Contrast.

5. Card sorting puts JAWS in application mode, so that the arrow keys reach the card stack and the categories.

6. In an open dropdown with JAWS, the first Escape leaves forms mode and the second closes the list; Tab also closes it. This is how JAWS handles Escape, and the W3C reference combobox behaves the same.

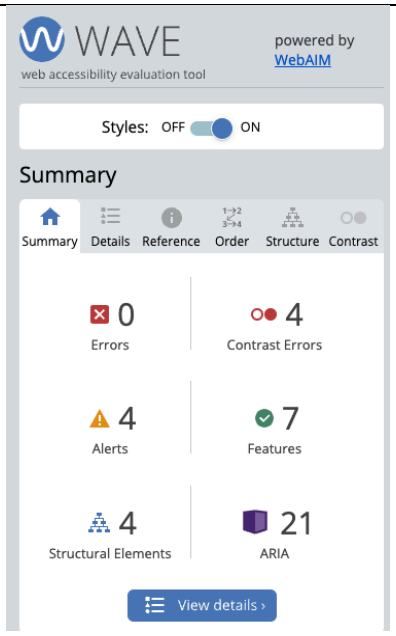
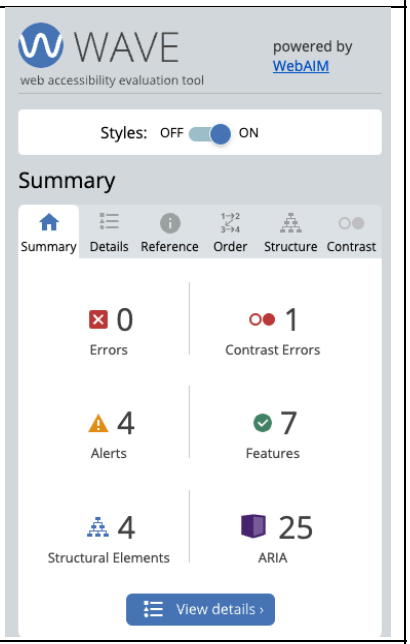
7. Only the Walkthrough on the page was tested. The steps within the Walkthrough player were excluded from evaluation.

8. Drag and drop on mobile devices was not changed in version 1.5.

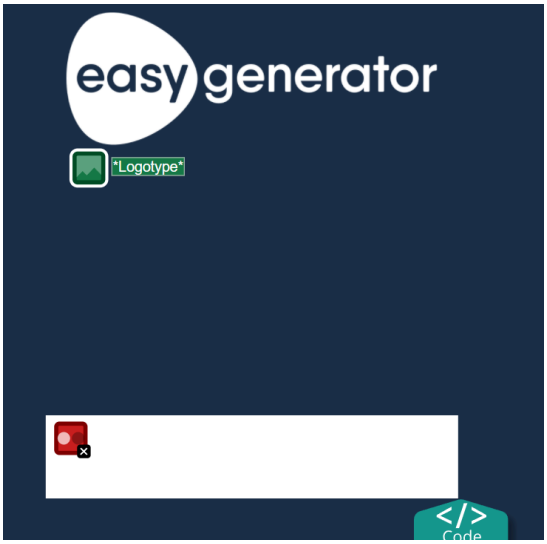
9. The changes in version 1.5 were not re-tested with NVDA and VoiceOver.

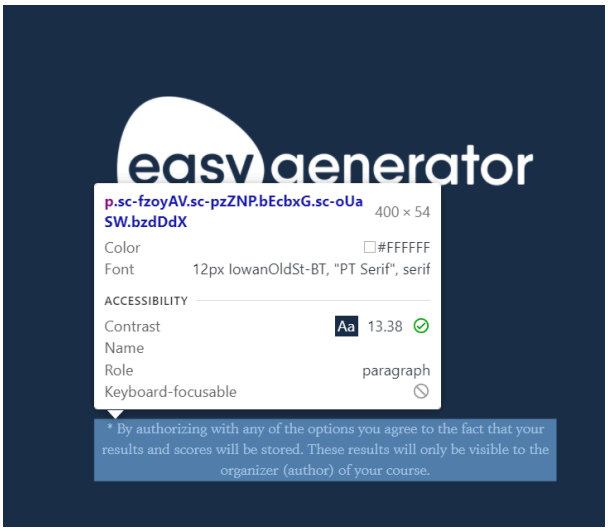
Appendix

1.1 Signup Page

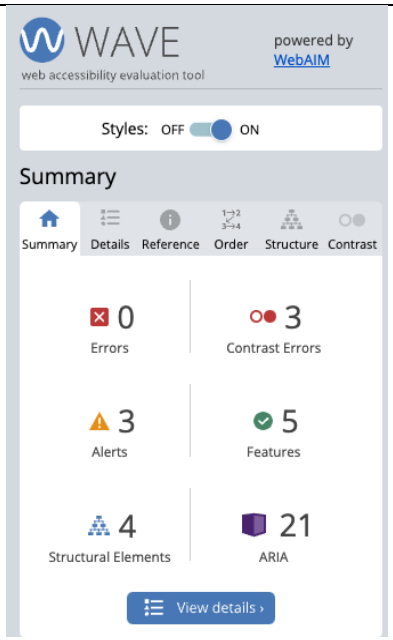
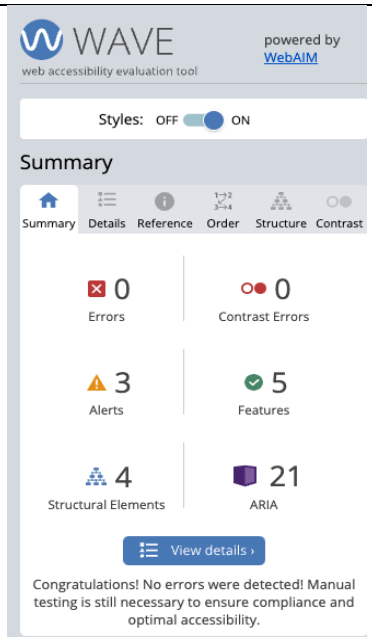
	Normal Mode	Contrast Mode
Wave Tool		
Light House Accessibility Score	98	100

Note: One of the errors is being reported incorrectly by WAVE tool. Manual verification of the contrast is posted below (actual contrast is 13.38 which is AAA compliant)

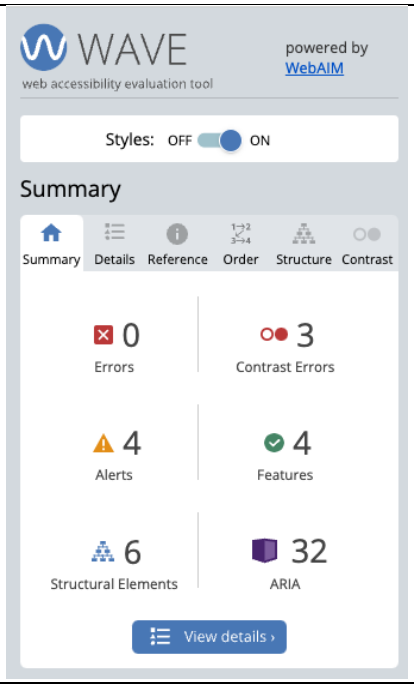
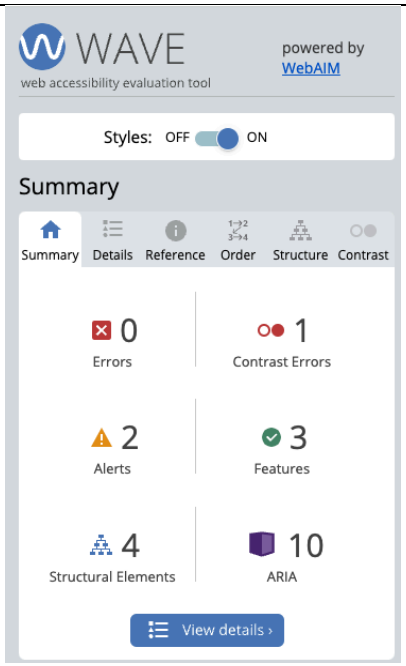




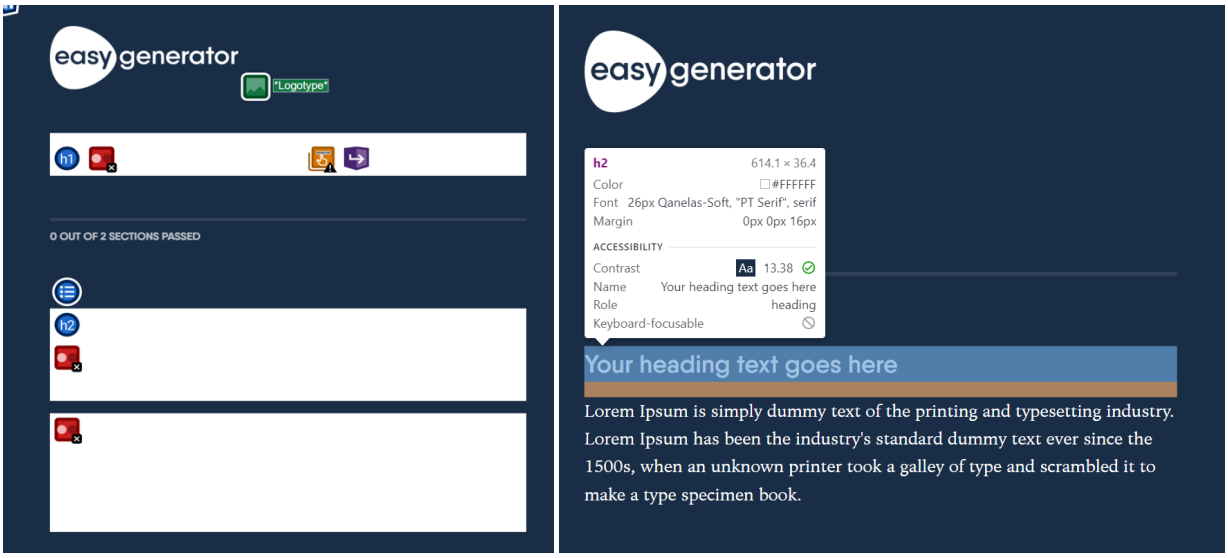
1.2 Login Page

	Normal Mode	Contrast Mode
Wave Tool		
Light House Accessibility Score	98	100

1.3 Course Overview Page

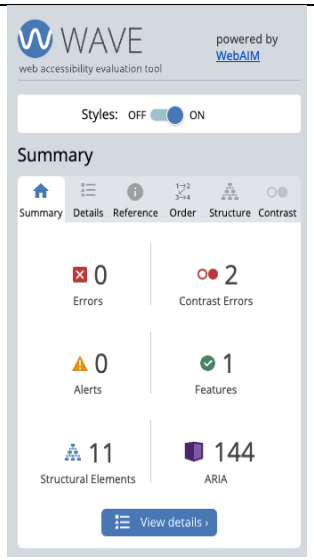
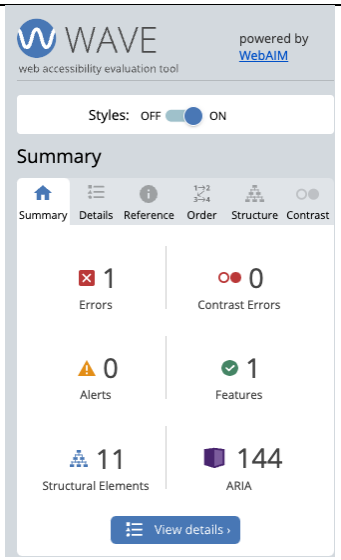
	Normal Mode	Contrast Mode
Wave Tool		
Light House Accessibility Score	91	93

Note: The reported error by the WAVE tool is incorrect. Manual verification of the contrast reveals that it is 13.38, which is AAA compliant.

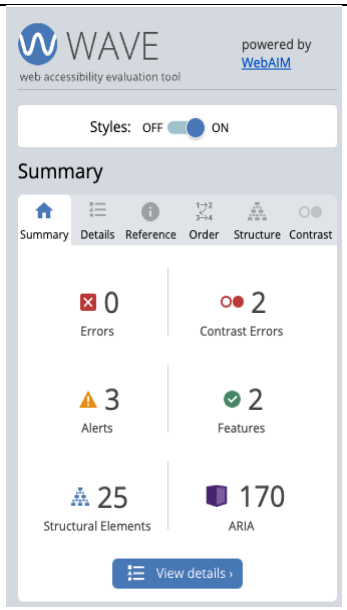
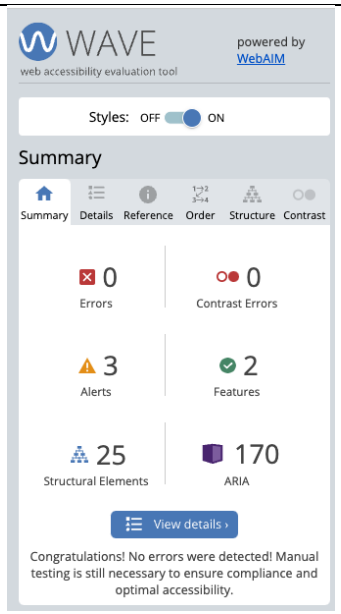


1.4 Question Pages

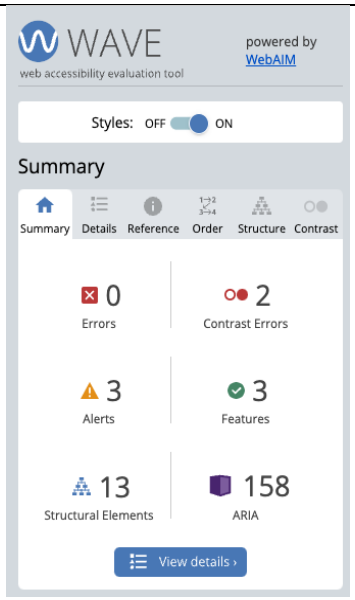
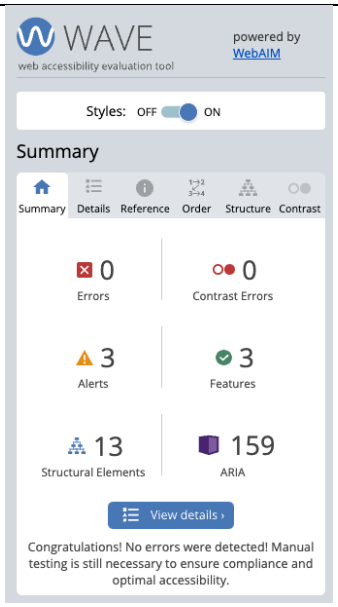
1.4.1 Learning Objective

	Normal Mode	Contrast mode enabled
Wave Tool		
Light House Accessibility Score	96	98

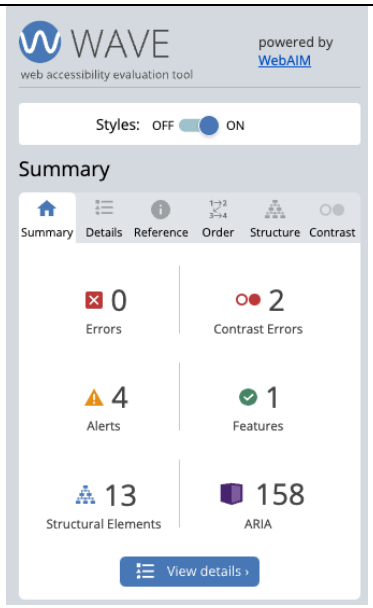
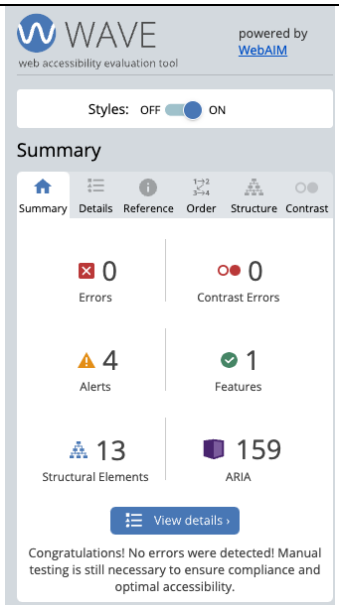
1.4.2 Information Content

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Wave Tool		
Light House Accessibility Score	96	98

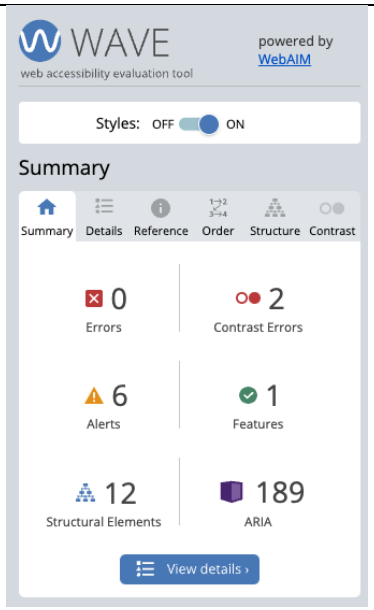
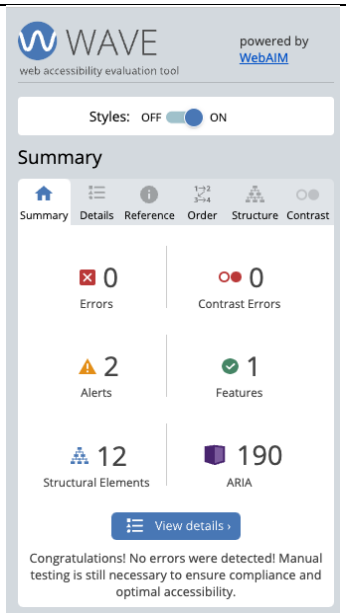
1.4.3 Single Choice Question

	Normal Mode	Contrast Mode
Wave Tool		
Light House Accessibility Score	96	98

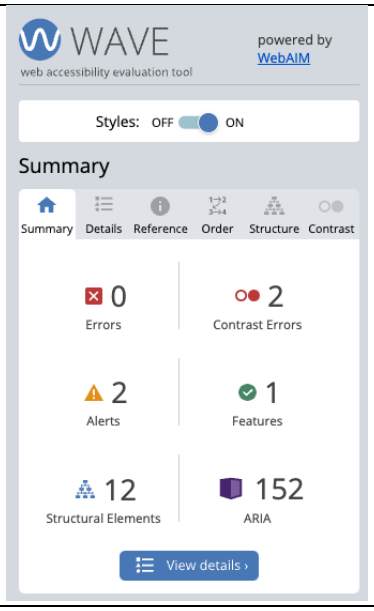
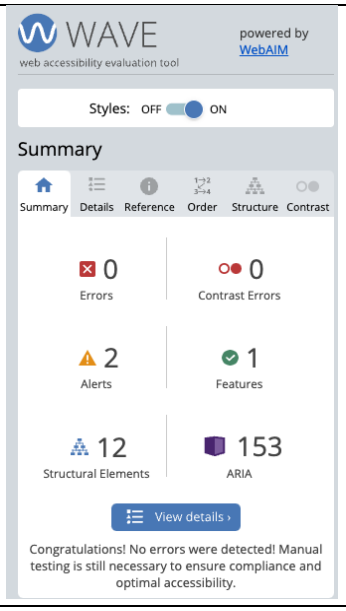
1.4.4 Multiple Choice Question

	Normal Mode	Contrast Mode
Wave Tool		
Light House Accessibility Score	96	98

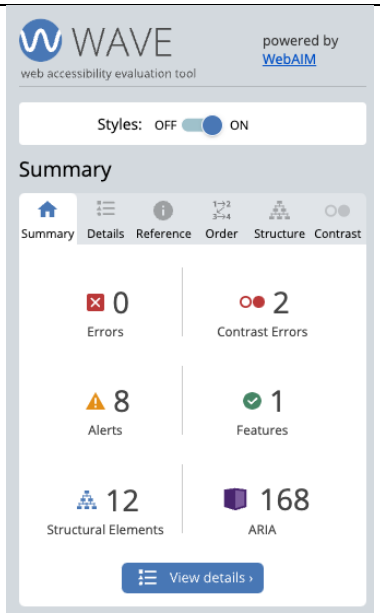
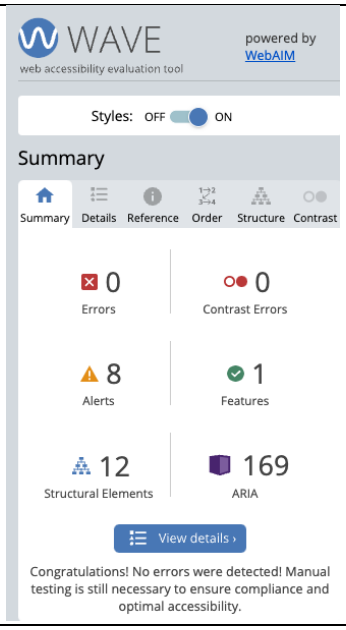
1.4.6 Text Matching Questions

	Normal Mode	Contrast Mode
Wave Tool		
Light House Accessibility Score	96	98

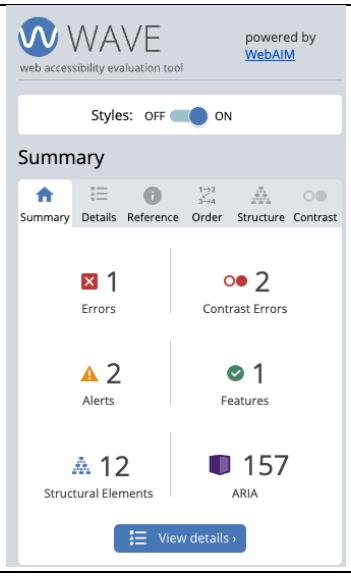
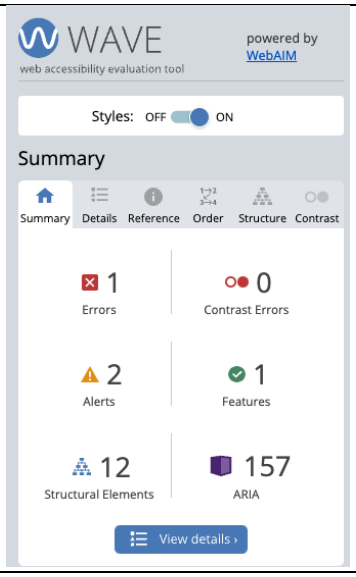
1.4.7 Fill In the blanks

	Normal Mode	Contrast Mode
Wave Tool		
Light House Accessibility Score	96	98

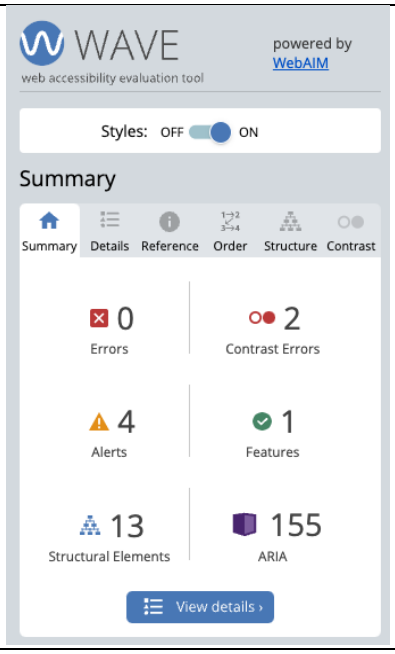
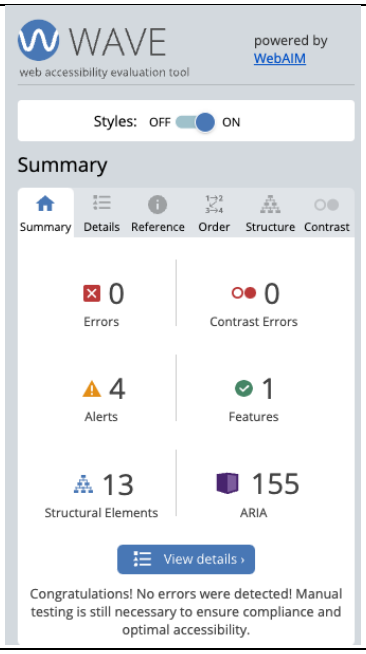
1.4.8 Statement Question

	Normal Mode	Contrast Mode
Wave Tool		
Light House Accessibility Score	96	98

1.4.9 Open Question

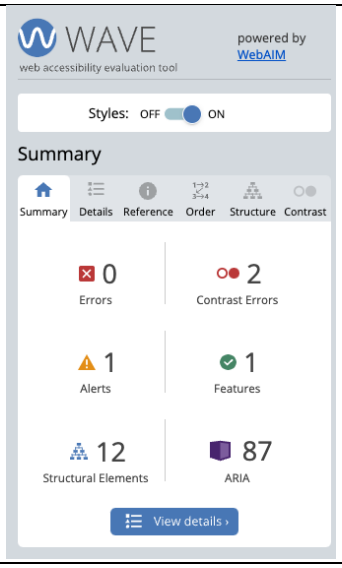
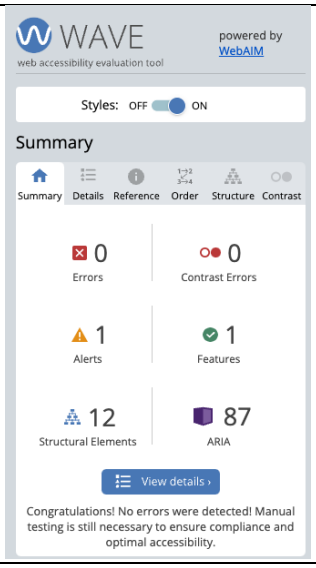
	Normal Mode	Contrast Mode
Wave Tool		
Light House Accessibility Score	96	98

1.4.10 Ranking Text

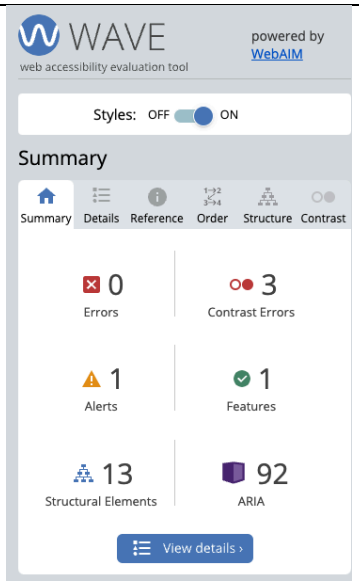
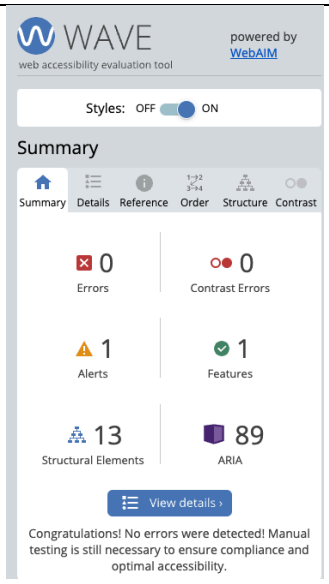
	Normal Mode	Contrast Mode
Wave Tool		
Light House Accessibility Score	96	98

1.5 Results Page

1.5.1 Course in Progress

	Normal Mode	Contrast Mode
Wave Tool		
Light House Accessibility Score	98	100

1.5.2 Course Completed

	Normal Mode	Contrast Mode
Wave Tool		
Light House Accessibility Score	98	100

1.6 Learner Satisfaction Survey

	Normal Mode	Contrast Mode
Wave Tool	