Accessibility Conformance Report

WCAG Edition

(Based on VPAT® Version 2.4Rev)

Name of Product/Version: Stukent Edify Web App 2.0.0

Report Date: September 08, 2022

Product Description: Courseware for K-12 and Higher Education.

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Prepared by: eSSENTIAL Accessibility Inc.

Notes:

Accessibility compliance requires all public and (large) private organizations to make their websites and web content conform to the Web Content Accessibility Guidelines (WCAG). WCAG is a set of formal guidelines on how to develop accessible web content. WCAG focuses primarily on HTML accessibility although it can also be applied to mobile applications and digital documents.

Accessibility testing was carried out with reference to the WCAG 2.1 AA guidelines.

The product was found to be overall Partially Supportive.

The primary focus of the product was the Edify, sections of the Stukent application.

Evaluation Methods Used:

The product was tested against all the applicable 50 success criteria within the Web Content Accessibility Guidelines (WCAG) 2.1 Conformance Level A and AA. The testing methodology included a combination of automated testing, and manual testing conducted via paired testing methodology involving non-sighted and sighted accessibility experts. This testing methodology ensures that every aspect related to accessibility and user experience is included in the analysis. Below is a list of some of the technologies and environments used:

- Assistive technologies – Screen readers: NVDA and VoiceOver, Keyboard-only interaction, Browser zoom
- Automated tools – aXe, Color Contrast Analyzer
- Browsers – Chrome, Safari
- Accessibility plugins – aXe, HeadingsMap
- Desktop – Windows 10, MacOS

The following combinations of technologies were used:

- Windows with Chrome and NVDA

- MacOs with Safari and VoiceOver

- Windows with Chrome and aXe

- Windows with Google Chrome and Zoom

- Windows with Google Chrome and Color Contrast Analyzer

- Windows with Google Chrome and HeadingsMap

Compatibility Matrix:

OS	Browser	Assistive Technology
Windows 10	Chrome	NVDA
MacOS	Safari	VoiceOver
iOS	Safari	VoiceOver

Applicable Standards/Guidelines

This report covers the degree of conformance for the following accessibility standard/guidelines:

Standard/Guideline	Included In Report
Web Content Accessibility Guidelines 2.0	Level A (Yes)
	Level AA (Yes)

Standard/Guideline	Included In Report
	Level AAA (No)
Web Content Accessibility Guidelines 2.1	Level A (Yes)
	Level AA (Yes)
	Level AAA (No)

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Terms

The terms used in the Conformance Level information are defined as follows:

- **Supports**: The functionality of the product has at least one method that meets the criterion without known defects or meets with equivalent facilitation.
- **Partially Supports**: Some functionality of the product does not meet the criterion.
- **Does Not Support**: The majority of product functionality does not meet the criterion.
- **Not Applicable**: The criterion is not relevant to the product.
- **Not Evaluated**: The product has not been evaluated against the criterion. This can be used only in WCAG 2.0 Level AAA.

WCAG 2.1 Report

Note: When reporting on conformance with the WCAG 2.1 Success Criteria, they are scoped for full pages, complete processes, and accessibility-supported ways of using technology as documented in the WCAG 2.1 Conformance Requirements.

Table 1: Success Criteria, Level A

Notes:

Criteria	Conformance Level	Remarks and Explanations
1.1.1 Non-text Content (Level A)	**Partially Supports**	**Features:** For the informative images in the application alternative text is provided and all the decorative images are hidden for the screen reader users. However, there are a few exceptions where either alternative text is not provided to describe the purpose of the images or decorative images do not have the alt attribute value as null. **Exceptions:** 1. Edify Book View (Templated) (Instructor): The "Stukent" logo image description doesn't accurately describe the content of the image. 2. Stukent Home – My Couse As Student (Test 3) (Digital Marking): The decorative image "Digital Marketing" has a description.
1.2.1 Audio-only and Video-only (Prerecorded) (Level A)	**Not Applicable**	**Features:** There is no audio-only and video-only content present in the application.
1.2.2 Captions (Prerecorded) (Level A)	**Support**	**Features:** Closed Captioning is Handled by Youtube with working Captions.
1.2.3 Audio Description or Media Alternative (Prerecorded) (Level A)	**Does Not Support**	**Features:** Text transcript is not provided for the available videos in the application.

Criteria	Conformance Level	Remarks and Explanations
1.3.1 Info and Relationships (Level A)	**Partially Supports**	**Features:** The screen reader properly identifies most of the information available in the application and the screen reader user is easily able to perceive the relationships between elements and their respective roles. However, there are a few exceptions where visually impaired users face difficulty in understanding the information and its corresponding relationships. **Exceptions:** 1. Interactive focusable elements are present inside ARIA hidden element.. 2. Edify Book View (Templated) (Instructor): The "Grades" data table does not have a caption.
1.3.2 Meaningful Sequence (Level A)	**Supports**	**Features:** The screen reader announces content in the application in a meaningful sequence.
1.3.3 Sensory Characteristics (Level A)	**Not Applicable**	**Features:** There is no information present in the application, which is presented in the form of sensory characteristics.
1.4.1 Use of Color (Level A)	**Partially Supports**	**Features:** Wherever color is used to convey some meaningful information in the application, it is accompanied by an alternative that does not rely on color only to interpret the same information. However, there is an exception where the link is not distinguishable from the surrounding text.

Criteria	Conformance Level	Remarks and Explanations
		Exception: 1. Edify Book View (Templated) (Instructor) > View Grades Tab: The user is unable to distinguish "," link from plain text.
1.4.2 Audio Control (Level A)	**Not Applicable**	**Features:** There is no such audio available in the application, which plays automatically as soon as the page is launched.
2.1.1 Keyboard (Level A)	**Partially Supports**	**Features:** The application has many interactive user interface components like, buttons, links, dropdowns, and most of these elements are operable using a keyboard with and without the screen reader. However, there are few exceptions where it is difficult for the keyboard-only user to access some of these elements using a keyboard. **Exceptions:** 1. Edify Book View (Templated) (Instructor) > Submit Feedback Overlay: The edit field i.e. "submit feedback" is not operable by the keyboard.
2.1.2 No Keyboard Trap (Level A)	**Supports**	**Features:** Focus traverse smoothly and does not get struck during keyboard navigation.
2.1.4 Character Key Shortcuts (Level A 2.1 only)	**Not Applicable**	**Features:** There are no such character key shortcuts required in the application to operate any feature, which clash with the predefined screen reader shortcuts.

Criteria	Conformance Level	Remarks and Explanations
2.2.1 Timing Adjustable (Level A)	**Not Applicable**	**Features:** There is no such time-based activity available in the web application.
2.2.2 Pause, Stop, Hide (Level A)	**Not Applicable**	**Features:** Outside the scope of this section of the application
2.3.1 Three Flashes or Below Threshold (Level A)	**Not Applicable**	**Features:** There is no flashing or blinking content present anywhere in the application.
2.4.1 Bypass Blocks (Level A)	**Does Not Support**	**Features:** There is no "Skip to Main Content" link present in the application, with the help of which the screen reader users skip the header section and navigate to the main content area of the page directly Also, More than one instance of "navigation" are present and cannot be distinguished because different programmatically defined labels are not provided.
2.4.2 Page Titled (Level A)	**Supports**	**Features:** In the application, all the pages have the unique and descriptive page title due to which users can understand the context of the individual pages.
2.4.3 Focus Order (Level A)	**Partially Supports**	**Features:** The application components receive focus in a meaningful order. However, there are a few exceptions where focus order is not meaningful. **Exceptions:**

Criteria	Conformance Level	Remarks and Explanations
		1. Edify Book View (Templated) (Instructor): The focus move twice on "Next" button; hence the elements don't have a logical navigation sequence using only the keyboard. 2. Instructor View (Preview Edify App): The focus does not directly move and retain inside "Notebook" modal window.
[2.4.4 Link Purpose (In Context)](#) (Level A)	**Supports**	**Features:** The purpose of each link in the application can be determined from the link text alone or from the programmatic context of the link. In this case all links present within the edify section is working.
[2.5.1 Pointer Gestures](#) (Level A 2.1 only)	**Not Applicable**	**Features:** There is no functionality present in the application with complex pointer gestures hence there is no need to provide alternative means for operating the content.
[2.5.2 Pointer Cancellation](#) (Level A 2.1 only)	**Supports**	**Features:** The application functions that use a single pointer are completed when the user releases the pointer.
[2.5.3 Label in Name](#) (Level A 2.1 only)	**Supports**	**Features:** Visual labels match with the accessible or programmatic names for all the elements.
[2.5.4 Motion Actuation](#) (Level A 2.1 only)	**Not Applicable**	**Features:** The application does not have functionality operated by the device motion or user motion.
[3.1.1 Language of Page](#) (Level A)	**Does Not Support**	**Features:**

Criteria	Conformance Level	Remarks and Explanations
		The HTML document does not have a lang attribute to specify the language of the page throughout the application.
[3.2.1 On Focus](#) (Level A)	**Supports**	**Features:** The application components do not initiate a change of context when focused.
[3.2.2 On Input](#) (Level A)	**Supports**	**Features:** Change of context does not occur automatically on user input.
[3.3.1 Error Identification](#) (Level A)	**Supports**	**Features:** In the application, where error occurs automatically, an error message is provided as text and the error is identified by the screen reader.
[3.3.2 Labels or Instructions](#) (Level A)	**Partially Supports**	**Features:** The user interface elements are provided with correct and meaningful labels. However, there are some exceptions where label is not provided for the element. **Exceptions:** 1. Edify Book View (Templated) (Instructor): No label is provided for the "Submit Feedback" overlay form "Edit field".
[4.1.1 Parsing](#) (Level A)	**Not Applicable**	**Features:** Outside Scope of Edify.
	Supports	**Features:**

Criteria	Conformance Level	Remarks and Explanations
[4.1.2 Name, Role, Value](#) (Level A)		Supported within the Edify Section of the application.

Table 2: Success Criteria, Level AA

Notes:

Criteria	Conformance Level	Remarks and Explanations
[1.2.4 Captions (Live)](#) (Level AA)	**Not Applicable**	**Features:** There is no live multimedia content present in the application.
[1.2.5 Audio Description (Prerecorded)](#) (Level AA)	**Not Applicable**	**Features:** Audio description is not required for the available videos in the application.
[1.3.4 Orientation](#) (Level AA 2.1 only)	**Supports**	**Features:** Content does not restrict its view and operation to a single display orientation in the application, such as portrait or landscape, unless a specific display orientation is essential.
[1.3.5 Identify Input Purpose](#) (Level AA 2.1 only)	**Supports**	**Features:** This is supported in the Edify Section of the application.
[1.4.3 Contrast (Minimum)](#) (Level AA)	**Supports**	**Features:** Contrast is supported on plain text Edify Section
[1.4.4 Resize text](#) (Level AA)	**Supports**	**Features:** Zoom and resizing supported within Edify Scope
[1.4.5 Images of Text](#) (Level AA)	**Not Applicable**	**Features:** There is no such information present in the application, which is in the form of Image of text.

Criteria	Conformance Level	Remarks and Explanations
1.4.10 Reflow (Level AA 2.1 only)	**Supports**	**Features:** Supported as present in the Edify Section of the application
1.4.11 Non-text Contrast (Level AA 2.1 only)	**Supports**	**Features:** Applicable Sections of Edify is supported.
1.4.12 Text Spacing (Level AA 2.1 only)	**Supports**	**Features:** The application provides support for people with low vision and cognitive disabilities.
1.4.13 Content on Hover or Focus (Level AA 2.1 only)	**Supports**	**Features:** The tooltip is available for all the elements in the application which triggers the additional content after receiving tab focus.
2.4.5 Multiple Ways (Level AA)	**Does Not Support**	**Features:** In the application, multiple ways like search feature and sitemap are not implemented to access different content.
2.4.6 Headings and Labels (Level AA)	**Supports**	**Features:** All the Headings present in the application are descriptive enough to understand their purpose. Sufficient labels are also provided for the form fields wherever a descriptive label is needed.
2.4.7 Focus Visible (Level AA)	**Supports**	**Features:** Focus is visible in edify Sections of the Application
3.1.2 Language of Parts (Level AA)	**Not Applicable**	**Features:** The Application's content is available in English language only. There is no change in language throughout the

Criteria	Conformance Level	Remarks and Explanations
		application.
[3.2.3 Consistent Navigation](#) (Level AA)	**Supports**	**Features:** Repeated components are occurring in the same order on every page of the application, which helps screen reader and cognitive user to predict the location of different web elements on each page.
[3.2.4 Consistent Identification](#) (Level AA)	**Supports**	**Features:** Elements which have the same functionality across multiple pages in the application have same labels or same name.
[3.3.3 Error Suggestion](#) (Level AA)	**Supports**	**Features:** Error suggestion messages are descriptive enough for users to understand and resolve the problem.
[3.3.4 Error Prevention (Legal, Financial, Data)](#) (Level AA)	**Not Applicable**	**Features:** This success criterion is related to legal commitment, financial data, etc., which involves serious risk, if no option, is provided for the user to review or revert the data before submission. However, application does not have such forms, where such risk is associated.
	Partially Supports	**Features:** Dynamic changes and notifications are automatically announced, and screen reader user can identify the updated status / progress of all tasks programmatically in the application. However, there are some exceptions where the status message is either not implemented or announced by the screen reader.

Criteria	Conformance Level	Remarks and Explanations
4.1.3 Status Messages (Level AA 2.1 only)		**Exceptions:** 1. Menu - Act As (Instructor Overlay): The status message is not announced by the screen reader for "Enter" the result in edit filed. 2. Menu - Reset Student Password: "The temporary password and reset link....this menu has been closed " is not announced by the screen reader for "Reset select Users" button.

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