

# Kami Accessibility Conformance Report

## WCAG Edition

(Based on VPAT<sup>®</sup> Version 2.4)

**Name of Product/Version:** Kami

**Report Date:** August 23rd, 2022

**Product Description:** Digital classroom application

**Contact Information:** support@kamiapp.com

**Evaluation Methods Used:** Testing based on a combination of automated testing, manual testing and general product knowledge.

### Applicable Standards/Guidelines

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

Standard/Guideline	Included In Report
<a href="#">Web Content Accessibility Guidelines 2.0</a>	Level A Level AA Level AAA
<a href="#">Web Content Accessibility Guidelines 2.1</a>	Level A Level AA Level AAA

## 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**

Criteria	Conformance Level	Remarks and Explanations
<a href="#">1.1.1 Non-text Content</a> (Level A)	Supports	Kami supports video and audio commenting as well as images, drawings and GIFs
<a href="#">1.2.1 Audio-only and Video-only (Prerecorded)</a> (Level A)	Supports	Users can insert pre-recorded videos but currently not pre-recorded audio
<a href="#">1.2.2 Captions (Prerecorded)</a> (Level A)	Supports	Kami video content provides captions
<a href="#">1.2.3 Audio Description or Media Alternative (Prerecorded)</a> (Level A)	Partially Supports (will fully support in the future)	Kami supports closed-captions for embedded Youtube videos. It does not have captions for recorded media by users yet, we plan to release CC for recorded media soon.
<a href="#">1.3.1 Info and Relationships</a> (Level A)	Supports	Kami has support for page appendixes in PDFs and also annotation locations are recorded on the sidebar. Page links are also available for native PDF content although we do not have a way for the user to insert them at the moment
<a href="#">1.3.2 Meaningful Sequence</a> (Level A)	Supports	Kami documents flow from top to bottom but can be changed to have a 2 page view. Pages can be inserted and rearranged via the Split and Merge tool
<a href="#">1.3.3 Sensory Characteristics</a> (Level A)	Supports	Instructions provided for understanding and operating content do not rely solely on sensory characteristics of components such as shape, size, visual location, orientation, or sound
<a href="#">1.4.1 Use of Color</a> (Level A)	Supports	Color is not used as the only visual means of conveying information, indicating an action, prompting a

		response, or distinguishing a visual element. Tools and features are well labeled and have sensible icons placed in intuitive locations
<a href="#">1.4.2 Audio Control</a> (Level A)	Supports	Audio does not autoplay and can be paused/stopped. Text to speech can also be skipped forwards and backwards
<a href="#">2.1.1 Keyboard</a> (Level A)	Partially supports	Tools and most actions can be operated via keyboard. However, inserting annotations must be done via mouse pointer/trackpad/touchscreen
<a href="#">2.1.2 No Keyboard Trap</a> (Level A)	Supports	Focus on textboxes can be exited via pressing the 'esc' button. Up down arrow keys can be used to resume scrolling
<a href="#">2.1.4 Character Key Shortcuts</a> (Level A 2.1 only)	Supports	Keyboard shortcuts are fully supported in Kami. Users can change keyboard shortcuts, disable them and share them
<a href="#">2.2.1 Timing Adjustable</a> (Level A)	Supports	Generally, no timing restrictions are imposed in Kami. However, Kami's Assessment Mode lets teachers restrict how long a student can take to finish an exam on Kami. Assessment Mode available with Schoology and Canvas integrations. Coming to Google Classroom soon.
<a href="#">2.2.2 Pause, Stop, Hide</a> (Level A)	N/A	<ol style="list-style-type: none"> <li>Kami does not have automatic scrolling anywhere in the app</li> <li>Kami will auto update an activity's essential content and it is not cancellable.</li> </ol>
<a href="#">2.3.1 Three Flashes or Below Threshold</a> (Level A)	Supports	Kami has no flashing elements

<a href="#">2.4.1 Bypass Blocks</a> (Level A)	Supports	Kami has a way to bypass to the main content while using keyboard shortcuts.
<a href="#">2.4.2 Page Titled</a> (Level A)	Supports	Kami pages are well titled to the specific document name
<a href="#">2.4.3 Focus Order</a> (Level A)	Supports	Elements are focussed in order by default
<a href="#">2.4.4 Link Purpose (In Context)</a> (Level A)	Supports	Links both in pdf and created by user can have custom text labels
<a href="#">2.5.1 Pointer Gestures</a> (Level A 2.1 only)	Supports	Full pointer/touch support in the app can be done on a single pointer, except for pinch to zoom which can use 2 or more
<a href="#">2.5.2 Pointer Cancellation</a> (Level A 2.1 only)	Supports	Pointer actions are cancellable and do not get stuck without the up pointer
<a href="#">2.5.3 Label in Name</a> (Level A 2.1 only)	Supports	Speech readers will be able to access tools with labels
<a href="#">2.5.4 Motion Actuation</a> (Level A 2.1 only)	N/A	Kami does not have any device motion controlled features
<a href="#">3.1.1 Language of Page</a> (Level A)	Supports	The read-aloud and dictation features support the range of languages supported by Google.
<a href="#">3.2.1 On Focus</a> (Level A)	Supports	e.g. Focusing on a textbox will popup a rich text toolbar to modify the text
<a href="#">3.2.2 On Input</a> (Level A)	Supports	Changing settings does not trigger a change of context
<a href="#">3.3.1 Error Identification</a> (Level A)	Supports	All errors are displayed back to the user in the interface
<a href="#">3.3.2 Labels or Instructions</a> (Level A)	Supports	Labels and prompts appear on the page when requiring input

<a href="#">4.1.1 Parsing</a> (Level A)	Supports	All content HTML is valid and IDs are unique, no parsing issues
<a href="#">4.1.2 Name, Role, Value</a> (Level A)	Partially Supports (will support in the future)	Kami's user interface supports this. However, links and forms from the document cannot be programmatically modified by a third party app yet.

**Table 2: Success Criteria, Level AA**

Criteria	Conformance Level	Remarks and Explanations
<a href="#">1.2.4 Captions (Live)</a> (Level AA)	Supports	Kami video media supports captions
<a href="#">1.2.5 Audio Description (Prerecorded)</a> (Level AA)	Does not support (will support in the future)	No audio description can be associated with audio comments
<a href="#">1.3.4 Orientation</a> (Level AA 2.1 only)	Support	Kami works both landscape and portrait
<a href="#">1.3.5 Identify Input Purpose</a> (Level AA 2.1 only)	Partially Supports (will support in the future)	Input purposes created by the user are supported from within the Kami user interface, however input purposes from the document loaded cannot be programmatically determined yet.
<a href="#">1.4.3 Contrast (Minimum)</a> (Level AA)	Support	Kami has a great level of contrast for text in both light and dark mode
<a href="#">1.4.4 Resize text</a> (Level AA)	Support	Pages can be zoomed and text can be resized without loss of quality
<a href="#">1.4.5 Images of Text</a> (Level AA)	Support	There are no critical images of text in Kami
<a href="#">1.4.10 Reflow</a> (Level AA 2.1 only)	Support	Pages can be zoomed to the size of the browser to contain everything in one view

<a href="#">1.4.11 Non-text Contrast</a> (Level AA 2.1 only)	Supports	User interface components are well contrasted
<a href="#">1.4.12 Text Spacing</a> (Level AA 2.1 only)	Supports	Changing text spacing does not cause loss of functionality
<a href="#">1.4.13 Content on Hover or Focus</a> (Level AA 2.1 only)	Supports	Hovering over annotations will insert a toolbar that is positioned in a location that does not obstruct the annotation, additional hovering cascades the ui effectively
<a href="#">2.4.5 Multiple Ways</a> (Level AA)	Supports	Links, sharing URLs, recents list, file hash can all locate the PDF file previously opened
<a href="#">2.4.6 Headings and Labels</a> (Level AA)	Supports	Dialogs have purpose headings and are labelled to indicate what the tool does
<a href="#">2.4.7 Focus Visible</a> (Level AA)	Supports	Any keyboard operable user interface has a mode of operation where the keyboard focus indicator is visible
<a href="#">3.1.2 Language of Parts</a> (Level AA)	Supports	User input text can be read by screen readers
<a href="#">3.2.3 Consistent Navigation</a> (Level AA)	Supports	Navigation is consistent
<a href="#">3.2.4 Consistent Identification</a> (Level AA)	Supports	Components that have the same functionality within a set of web pages are identified consistently
<a href="#">3.3.3 Error Suggestion</a> (Level AA)	Supports	Any error suggestions when available are presented to the user
<a href="#">3.3.4 Error Prevention (Legal, Financial, Data)</a> (Level AA)	N/A	Kami does not contain any legal/financing data components
<a href="#">4.1.3 Status Messages</a> (Level AA 2.1 only)	Supports	Status messages are coded into the interface and can be read programmatically

**Table 3: Success Criteria, Level AAA**

Criteria	Conformance Level	Remarks and Explanations
<a href="#">1.2.6 Sign Language (Prerecorded)</a> (Level AAA)	Partially supports	Users can record sign language comments via webcam and insert the recorded video media into the document at the appropriate location.
<a href="#">1.2.7 Extended Audio Description (Prerecorded)</a> (Level AAA)	Does not support	Audio descriptions are not supported
<a href="#">1.2.8 Media Alternative (Prerecorded)</a> (Level AAA)	Does not support	Media alternatives are not supported
<a href="#">1.2.9 Audio-only (Live)</a> (Level AAA)	Supports	Kami supports live audio comment recording as well as speech to text and text to speech
<a href="#">1.3.6 Identify Purpose</a> (Level AAA 2.1 only)	Supports	Kami supports icon labels to be programmatically read aloud.
<a href="#">1.4.6 Contrast (Enhanced)</a> (Level AAA)	Supports	Users can also customise their input text's contrast as much as required by setting its background color/container color
<a href="#">1.4.7 Low or No Background Audio</a> (Level AAA)	Supports	Kami has no background audio
<a href="#">1.4.8 Visual Presentation</a> (Level AAA)	Partially supports	Creators of the text can modify its formatting as required. However, the visual appearance cannot be modified even if just for viewing by collaborators
<a href="#">1.4.9 Images of Text (No Exception)</a> (Level AAA)	Supports	Kami does not use images of text functionally
<a href="#">2.1.3 Keyboard (No Exception)</a> (Level AAA)	Does not support	Kami is not fully usable on a keyboard alone
<a href="#">2.2.3 No Timing</a> (Level AAA)	Supports	Timing does not influence functionality when using a tool



<a href="#">2.2.4 Interruptions</a> (Level AAA)	Supports	The only uninterruptible sequence is when Kami detects that a user may potentially have lost annotations and forces the user to refresh the page
<a href="#">2.2.5 Re-authenticating</a> (Level AAA)	Supports	When re-authentication is required, the user is force-sent to the login screen to re-authenticate and any work done prior will be saved when the user logs back in.
<a href="#">2.2.6 Timeouts</a> (Level AAA 2.1 only)	N/A	All work is saved regardless of timeouts, saving occurs automatically in Kami
<a href="#">2.3.2 Three Flashes</a> (Level AAA)	Supports	Nothing flashes more than 3 times a second
<a href="#">2.3.3 Animation from Interactions</a> (Level AAA 2.1 only)	N/A	There is no animation in Kami
<a href="#">2.4.8 Location</a> (Level AAA)	Supports	Kami is a single page application. The file and page number the user is on is made clear at all times
<a href="#">2.4.9 Link Purpose (Link Only)</a> (Level AAA)	Supports	Link text in the app is always descriptive and user-inserted links can always be made descriptive
<a href="#">2.4.10 Section Headings</a> (Level AAA)	N/A	Kami does not have section headings
<a href="#">2.5.5 Target Size</a> (Level AAA 2.1 only)	Does not support	Some active targets in Kami are under the 44x44 size
<a href="#">2.5.6 Concurrent Input Mechanisms</a> (Level AAA 2.1 only)	Supports	Kami allows stylus, drawing tablets, any pointer activated device to use the app
<a href="#">3.1.3 Unusual Words</a> (Level AAA)	Does not support	There is currently no definition of jargon in the app's interface
<a href="#">3.1.4 Abbreviations</a> (Level AAA)	Does not support	Abbreviations are not expandable in Kami
<a href="#">3.1.5 Reading Level</a> (Level AAA)	Does not support	Reading levels are not supported

<a href="#">3.1.6 Pronunciation</a> (Level AAA)	Partially support	Pronunciations are supported for PDF content via the Text to Speech tool, however words in the app's interface cannot be read out unless sometimes by a third party tool
<a href="#">3.2.5 Change on Request</a> (Level AAA)	Supports	Changes of context are initiated only by user request or a mechanism is available to turn off such changes
<a href="#">3.3.5 Help</a> (Level AAA)	Supports	Kami supports both live human support as well as descriptions and articles on how to use certain features
<a href="#">3.3.6 Error Prevention (All)</a> (Level AAA)	Does not supports	Kami does not support reversibility or error checking in all submissions