

Student Android Accessibility Conformance Report WCAG Edition

(Based on VPAT[®] Version 2.4)

Voluntary Product Accessibility Template[®] (VPAT[®]) WCAG Edition

(Based on VPAT[®] Version 2.4)

Name of Product/Version: Top Hat - Student - Mobile Android Application, version 8.0.0

Report Date: January 26th, 2022

Product Description:

Top Hat is the only all-in-one active learning platform that provides students the flexibility to learn effectively in person, online or both. Students use Top Hat to engage with their instructors and peers before, during and after class. They can log attendance, participate in polls and quizzes, join in discussions, collaborate on group work outside of class, check their understanding of course concepts with interactive readings and assignments, and track their progress automatically in the gradebook - and they can do it from any device.

Contact information:

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Notes:

This report was created upon completion of accessibility evaluations performed between December 2020 and June 2021 and was limited only to the evaluation of specific accessibility issues that were already reported. The report is considered accurate at the time of publishing.

"Voluntary Product Accessibility Template" and "VPAT" are registered service marks of the Information Technology Industry Council (ITI)

The 3rd party content present on the "Textbook – Page with embedded questions" that was originally included in the assessment scope but it is now excluded from this VPAT.

The following table defines the Scope of this VPAT:

Page Name
Login - Dashboard
Password Reset
Login - Enter your Email
My Courses
Add Course
Authenticate with my school
Classroom - Empty view
Classroom - Root view
Classroom - Full screen slideshow
Classroom - Enter attendance code
Classroom - Questions
Gradebook
Assigned - Root view

Test page (Top Hat Test)	
Textbook - Page with embedded questions	
Account - User Settings	
Account – Support	
App Login (Home Screen)	
Find Your School	
Login to your account	
Password Reset Confirmation	

Evaluation Methods Used:

Conformance to the listed accessibility standards has been evaluated using manual testing with assistive technologies. The following operating system, device and screen reader were used for evaluation: Android, Samsung phone and TalkBack.

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)
	Level AAA (No)
Web Content Accessibility Guidelines 2.1	Level A (Yes)
	Level AA (Yes)
	Level AAA (No)

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, the criteria are scoped for full pages, complete processes, and accessibility-supported ways of using technology as documented in the <u>WCAG 2.1 Conformance Requirements</u>.

Table 1: Success Criteria, Level A

Notes:

Criteria	Conformance level	Remarks and Explanations
 1.1.1 Non-text Content (Level A) All non-text content that is presented to the user has a text alternative that serves the equivalent purpose, except for the situations listed below. Controls, Input: If non-text content is a control or accepts user input, then it has a name that describes its purpose. (Refer to Success Criterion 4.1.2 for additional requirements for controls and content that accepts user input.) Time-Based Media: If non-text content is time-based media, then text alternatives at least provide descriptive identification of the non-text content. (Refer to Guideline 1.2 for additional requirements for media.) Test: If non-text content is a test or exercise that would be invalid if presented in text, then text alternatives at least provide descriptive identification of the non-text content. Sensory: If non-text content is primarily intended to create a specific sensory experience, then text alternatives at least provide descriptive identification of the non-text content. CAPTCHA: If the purpose of non-text content is to confirm that content is being accessed by a person rather than a computer, then text alternatives that identify and describe the purpose of the non-text content are provided, and alternative forms of CAPTCHA using output modes for different types of sensory perception are provided to accommodate different disabilities. 		 Most of the images have a meaningful alternative text description. Non-relevant or decorative images have "null" description and/or are inserted as a background image. Exceptions: Text alternative is missing for an informative image in the "Assigned – Test" page. Note: This guideline can be affected due to user generated content.

• Decoration, Formatting, Invisible : If non-text content is pure decoration, is used only for visual formatting, or is not presented to users, then it is implemented in a way that it can be ignored by assistive technology.		
 1.2.1 Audio-only and Video-only (Prerecorded) (Level A) For prerecorded audio-only and prerecorded video-only media, the following are true, except when the audio or video is a media alternative for text and is clearly labeled as such: Prerecorded Audio-only: An alternative for time-based media is provided that presents equivalent information for prerecorded audio-only content. Prerecorded Video-only: Either an alternative for time-based media is provided that presents equivalent information for prerecorded audio-only content. 	Supports	The product does not contain prerecorded audio-only or video-only media.
1.2.2 Captions (Prerecorded) (Level A) Captions are provided for all prerecorded audio content in synchronized media, except when the media is a media alternative for text and is clearly labeled as such.	Supports 1	The product does not contain prerecorded video content.
1.2.3 Audio Description or Media Alternative (Prerecorded) (Level A) Captions are provided for all live audio content in synchronized media.	Supports	The product does not contain prerecorded video content.
1.3.1 Info and Relationships (Level A) Information, structure, and relationships conveyed through presentation can be programmatically determined or are available in text.	Partially Supports	 Most of the visual structure and relationship information is provided through object information or is available in text. Exceptions: List structure is not provided for the content in the "Textbook – Page with embedded questions" page.
1.3.2 Meaningful Sequence (Level A) When the sequence in which content is presented affects its meaning, a correct reading sequence can be programmatically determined.	Partially Supports	Most of the product's content and functionality do not convey information through color alone.

		 Content that is intended to be hidden from all users is readable with a screen reader in the "Assigned – Test" page.
 1.3.3 Sensory Characteristics (Level A) Instructions provided for understanding and operating content do not rely solely on sensory characteristics of components such as shape, color, size, visual location, orientation, or sound. <i>Note:</i> For requirements related to color, refer to Guideline 1.4. 	Partially Supports	 Most of the instructions from the product do not rely solely on sensory characteristics. Exceptions: Information relies on ability to see in the "Assigned – Test" page.
 1.4.1 Use of Color (Level A) Color is not used as the only visual means of conveying information, indicating an action, prompting a response, or distinguishing a visual element. Note: This success criterion addresses color perception specifically. Other forms of perception are covered in Guideline 1.3 including programmatic access to color and other visual presentation coding. 	Partially Supports	 Most of the product's content and functionality do not convey information through color alone. Exceptions: The contrast ratio between default button text and the surrounding text is not at least 3:1 in the "Assigned – Test" page.
 1.4.2 Audio Control (Level A) If any audio on a Web page plays automatically for more than 3 seconds either a mechanism is available to pause or stop the audio, or a mechanism is available to control audio volume independently from the overall system volume level. <i>Note:</i> Since any content that does not meet this success criterion can interfere with a user's ability to use the whole page, all content on the Web page (whether or not it is used to meet other success criteria) must meet this success criterion. See Conformance Requirement 5: Non-Interference. 		The product does not contain any audio content that plays automatically.
2.1.1 Keyboard (Level A) All functionality of the content is operable through a keyboard interface without requiring specific timings for individual keystrokes, except where the underlying function requires input that depends on the path of the user's movement and not just the endpoints.	Partially Supports	Most of the functionality of the content is operable through a keyboard interface without requiring specific timings for individual keystrokes. Exceptions:

Note 1: This exception relates to the underlying function, not the input technique. For example, if using handwriting to enter text, the input technique (handwriting) requires path-dependent input but the underlying function (text input) does not. Note 2: This does not forbid and should not discourage providing mouse input or other input methods in addition to keyboard operation.		 Action cannot be performed with a screen reader turned on in the "Assigned – Test" page. Action cannot be performed using a switch control in the "Textbook – page with embedded questions" page. Note: This guideline can be affected due to user generated content.
 2.1.2 No Keyboard Trap (Level A) If keyboard focus can be moved to a component of the page using a keyboard interface, then focus can be moved away from that component using only a keyboard interface, and, if it requires more than unmodified arrow or tab keys or other standard exit methods, the user is advised of the method for moving focus away. Note: Since any content that does not meet this success criterion can interfere with a user's ability to use the whole page, all content on the Web page (whether it is used to meet other success criteria or not) must meet this success criterion. See Conformance Requirement 5: Non-Interference. 	Supports	
 2.1.4 Character Key Shortcuts (Level A 2.1 only) If a keyboard shortcut is implemented in content using only letter (including upper- and lower-case letters), punctuation, number, or symbol characters, then at least one of the following is true: Turn off: A mechanism is available to turn the shortcut off; Remap: A mechanism is available to remap the shortcut to include one or more non-printable keyboard keys (e.g., Ctrl, Alt); Active only on focus: The keyboard shortcut for a user interface component is only active when that component has focus. 	Not Applicable	This success criterion technically doesn't apply to Android mobile applications.
 2.2.1 Timing Adjustable (Level A) For each time limit that is set by the content, at least one of the following is true: Turn off: The user is allowed to turn off the time limit before encountering it; or 	Supports	

 Adjust: The user is allowed to adjust the time limit before encountering it over a wide range that is at least ten times the length of the default setting; or Extend: The user is warned before time expires and given at least 20 seconds to extend the time limit with a simple action (for example, "press the space bar"), and the user is allowed to extend the time limit at least ten times; or Real-time Exception: The time limit is a required part of a real-time event (for example, an auction), and no alternative to the time limit is possible; or Essential Exception: The time limit is essential and extending it would invalidate the activity; or 20 Hour Exception: The time limit is longer than 20 hours. 	
	The product doesn't contain moving, blinking, scrolling, or auto-updating content.

<i>Note 3:</i> Content that is updated periodically by software or that is streamed to the user agent is not required to preserve or present information that is generated or received between the initiation of the pause and resuming presentation, as this may not be technically possible, and in many situations could be misleading to do so. <i>Note 4:</i> An animation that occurs as part of a preload phase or similar situation can be considered essential if interaction cannot occur during that phase for all users and if not indicating progress could confuse users or cause them to think that content was frozen or broken.		
 2.3.1 Three Flashes or Below Threshold (Level A) Web pages do not contain anything that flashes more than three times in any one second period, or the flash is below the general flash and red flash thresholds. Note: Since any content that does not meet this success criterion can interfere with a user's ability to use the whole page, all content on the Web page (whether it is used to meet other success criteria of not) must meet this success criterion. See Conformance Requirement 5: Non-Interference. 		
2.4.1 Bypass Blocks (Level A) A mechanism is available to bypass blocks of content that are repeated on multiple Web pages.	Not Applicable	This success criterion technically doesn't apply to Android mobile applications.
2.4.2 Page Titled (Level A)Web pages have titles that describe topic or purpose.	Not Applicable	This success criterion technically doesn't apply to Android mobile applications.
2.4.3 Focus Order (Level A) If a Web page can be navigated sequentially and the navigation sequences affect meaning or operation, focusable components receive focus in an order that preserves meaning and operability.	Supports	
2.4.4 Link Purpose (In Context) (Level A) The purpose of each link can be determined from the link text alone or from the link text together with its programmatically determined link context, except where the purpose of the link would be ambiguous to users in general.	Not Applicable	This success criterion technically doesn't apply to Android mobile applications.

2.5.1 Pointer Gestures (Level A 2.1 only)	Supports	
All functionality that uses multipoint or path-based gestures for		
operation can be operated with a single pointer without a path-based		
gesture, unless a multipoint or path-based gesture is essential.		
2.5.2 Pointer Cancellation (Level A 2.1 only)	Supports	
For functionality that can be operated using a single pointer, at least		
one of the following is true:		
• No Down-Event: The down-event of the pointer is not used to		
execute any part of the function;		
• Abort or Undo: Completion of the function is on the up-event, and a	1	
mechanism is available to abort the function before completion or		
to undo the function after completion;		
• Up Reversal: The up-event reverses any outcome of the preceding		
down-event;		
• Essential: Completing the function on the down-event is essential.		
2.5.3 Label in Name (Level A 2.1 only)	Supports	
For user interface components with labels that include text or images of		
text, the name contains the text that is presented visually.		
2.5.4 Motion Actuation (Level A 2.1 only)	Supports	
Functionality that can be operated by device motion or user motion can		
also be operated by user interface components and responding to the		
motion can be disabled to prevent accidental actuation, except when:		
• Supported Interface: The motion is used to operate functionality		
through an accessibility supported interface;		
• Essential: The motion is essential for the function and doing so		
would invalidate the activity.		
3.1.1 Language of Page (Level A)	Not Applicable	This success criterion technically doesn't apply to
The default human language of each Web page can be		Android mobile applications.
programmatically determined.		
3.2.1 On Focus (Level A)	Supports	
When any user interface component receives focus, it does not initiate a		
change of context.		
3.2.2 On Input (Level A)	Supports	
Changing the setting of any user interface component does not		

automatically cause a change of context unless the user has been advised of the behavior before using the component.		
3.3.1 Error Identification (Level A) If an input error is automatically detected, the item that is in error is identified and the error is described to the user in text.	Supports	
3.3.2 Labels or Instructions (Level A) Labels or instructions are provided when content requires user input.	Partially Supports	 Most of the elements have Labels or instructions when content requires user input. Exceptions: Label is not persistent in the "Assigned – Test" page. Instructions are inaccurate or incomplete for assistive technology users in the "Assigned – Test" page.
 4.1.1 Parsing (Level A) In content implemented using markup languages, elements have complete start and end tags, elements are nested according to their specifications, elements do not contain duplicate attributes, and any IDs are unique, except where the specifications allow these features. <i>Note:</i> Start and end tags that are missing a critical character in their formation, such as a closing angle bracket or a mismatched attribute value quotation mark are not complete. 	Not Applicable	This success criterion technically doesn't apply to Android mobile applications.
 4.1.2 Name, Role, Value (Level A) For all user interface components (including but not limited to: form elements, links and components generated by scripts), the name and role can be programmatically determined; states, properties, and values that can be set by the user can be programmatically set; and notification of changes to these items is available to user agents, including assistive technologies. <i>Note:</i> This success criterion is primarily for Web authors who develop or script their own user interface components. For example 		

standard HTML controls already meet this success criterion when	
used according to specification.	

Table 2: Success Criteria, Level AA

Notes:

Criteria	Conformance Level	Remarks and Explanations
1.2.4 Captions (Live) (Level AA)	Supports	The product does not contain live audio and video
Captions are provided for all live audio content in synchronized media.		content.
1.2.5 Audio Description (Prerecorded) (Level AA)		The product does not contain prerecorded video
Audio description is provided for all prerecorded video content in	Supports	content where essential information is only conveyed
synchronized media.		visually.
1.3.4 Orientation (Level AA 2.1 only)	Supports	
Content does not restrict its view and operation to a single display		
orientation, such as portrait or landscape, unless a specific display		
orientation is essential.		
1.3.5 Identify Input Purpose (Level AA 2.1 only)	Not Applicable	This success criterion technically doesn't apply to
The purpose of each input field collecting information about the user		Android native apps.
can be programmatically determined when:		
• The input field serves a purpose identified in the Input Purposes for		
User Interface Components section; and		
• The content is implemented using technologies with support for		
identifying the expected meaning for form input data.	-	
1.4.3 Contrast (Minimum) (Level AA)	Supports	Note: This guideline can be affected due to user
The visual presentation of text and images of text has a contrast ratio of		generated content.
at least 4.5:1, except for the following:		
• Large Text: Large-scale text and images of large-scale text have a		
contrast ratio of at least 3:1;		
• Incidental: Text or images of text that are part of an inactive user		
interface component, that are pure decoration, that are not visible		
to anyone, or that are part of a picture that contains significant		
other visual content, have no contrast requirement.	+	
 Logotypes: Text that is part of a logo or brand name has no contras requirement. 	L	
1.4.4 Resize text (Level AA)	Not Applicable	This success criterion technically doesn't apply to
, , , , , , , , , , , , , , , , ,	not Applicable	
Except for captions and images of text, text can be resized without	Νοι Αρριιζαυίε	Android native apps.

assistive technology up to 200 percent without loss of content or functionality.		
 1.4.5 Images of Text (Level AA) If the technologies being used can achieve the visual presentation, text is used to convey information rather than images of text except for the following: Customizable: The image of text can be visually customized to the user's requirements; Essential: A particular presentation of text is essential to the information being conveyed. Note: Logotypes (text that is part of a logo or brand name) are considered essential. 	Supports	
 1.4.10 Reflow (Level AA 2.1 only) Content can be presented without loss of information or functionality, and without requiring scrolling in two dimensions for: Vertical scrolling content at a width equivalent to 320 CSS pixels; Horizontal scrolling content at a height equivalent to 256 CSS pixels Except for parts of the content which require two-dimensional layout for usage or meaning. 	Not Applicable	This success criterion technically doesn't apply to Android native apps.
 1.4.11 Non-text Contrast (Level AA 2.1 only) The visual presentation of the following have a contrast ratio of at least 3:1 against adjacent color(s): User Interface Components: Visual information required to identify user interface components and states, except for inactive components or where the appearance of the component is determined by the user agent and not modified by the author; Graphical Objects: Parts of graphics required to understand the content, except when a particular presentation of graphics is essential to the information being conveyed. 	Supports	
 1.4.12 Text Spacing (Level AA 2.1 only) In content implemented using markup languages that support the following text style properties, no loss of content or functionality occurs by setting all of the following and by changing no other style property: Line height (line spacing) to at least 1.5 times the font size; 	Not Applicable	This success criterion technically doesn't apply to Android native apps.

 Spacing following paragraphs to at least 2 times the font size; Letter spacing (tracking) to at least 0.12 times the font size; Word spacing to at least 0.16 times the font size. Exception: Human languages and scripts that do not make use of one or more of these text style properties in written text can conform using only the properties that exist for that combination of language and script. 		
 1.4.13 Content on Hover or Focus (Level AA 2.1 only) Where receiving and then removing pointer hover or keyboard focus triggers additional content to become visible and then hidden, the following are true: Dismissible: A mechanism is available to dismiss the additional content without moving pointer hover or keyboard focus, unless the additional content communicates an input error or does not obscure or replace other content; Hoverable: If pointer hover can trigger the additional content, then the pointer can be moved over the additional content without the additional content disappearing; Persistent: The additional content remains visible until the hover or focus trigger is removed, the user dismisses it, or its information is no longer valid. Exception: The visual presentation of the additional content is controlled by the user agent and is not modified by the author. 		This success criterion technically doesn't apply to Android native apps.
2.4.5 Multiple Ways (Level AA) More than one way is available to locate a Web page within a set of Web pages except where the Web Page is the result of, or a step in, a process.	Not Applicable	This success criterion technically doesn't apply to Android native apps.
2.4.6 Headings and Labels (Level AA) Headings and labels describe topic or purpose.	Partially Supports	 Most of the headings and labels from the product are descriptive. Exceptions: Label does not convey the purpose of the control in "Assigned – Test" page.

2.4.7 Focus Visible (Level AA) Any keyboard operable user interface has a mode of operation where the keyboard focus indicator is visible.	Not Applicable	This success criterion technically doesn't apply to Android native apps.
3.1.2 Language of Parts (Level AA) The human language of each passage or phrase in the content can be programmatically determined except for proper names, technical terms, words of indeterminate language, and words or phrases that have become part of the vernacular of the immediately surrounding text.	Not Applicable	This success criterion technically doesn't apply to Android native apps.
3.2.3 Consistent Navigation (Level AA) Navigational mechanisms that are repeated on multiple Web pages within a set of Web pages occur in the same relative order each time they are repeated, unless a change is initiated by the user.	Supports	
3.2.4 Consistent Identification (Level AA) Components that have the same functionality within a set of Web pages are identified consistently.	Supports	
3.3.3 Error Suggestion (Level AA) If an input error is automatically detected and suggestions for correction are known, then the suggestions are provided to the user, unless it would jeopardize the security or purpose of the content.	Supports	
 3.3.4 Error Prevention (Legal, Financial, Data) (Level AA) For Web pages that cause legal commitments or financial transactions for the user to occur, that modify or delete user-controllable data in data storage systems, or that submit user test responses, at least one of the following is true: Reversible: Submissions are reversible. Checked: Data entered by the user is checked for input errors and the user is provided an opportunity to correct them. Confirmed: A mechanism is available for reviewing, confirming, and correcting information before finalizing the submission. 		
4.1.3 Status Messages (Level AA 2.1 only) In content implemented using markup languages, status messages can be programmatically determined through role or properties such that	Partially Supports	Most of the status messages are programmatically determined through role or properties and are presented to the user by assistive technologies without receiving focus.

they can be presented to the user by assistive technologies without receiving focus.	Exceptions:
	 Status message is not automatically announced by the screen reader in the "Assigned - Test" page.

Table 3: Success Criteria, Level AAA

Notes: Level AAA success criteria's are not within the scope of this conformance evaluation.

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This information is true and correct to the best of our knowledge as of the date printed on the front page of this document. This document seeks to describe Top Hat's ability to support the applicable standards, subject to our interpretation of those standards and the comments in this document. It is provided "AS IS" for information purposes only and is subject to change without notice. The contents of this document do not constitute legal advice, representation, warranty or guarantee regarding a person's ability to comply with applicable accessibility requirements. Such a determination is the sole responsibility of the customer and its users. However, should you notice any issues, please report these to us so that they can be proactively addressed.