VitalSource Bookshelf (Android) Accessibility Conformance Report

VPAT® Version 2.4[[1]](#footnote-1)\*

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| --- | --- |
| Name of product/version: | Bookshelf 10.0.4 |
| Product description: | Native Android Application |
| Report date: | November 11th 2021 |
| Contact information: | accessibility@vitalsource.com |
| Notes: | Book content is provided by the publishers. |
| Evaluation methods used: | This conformance report is based on the results of an accessibility audit conducted by [TPG Interactive](https://tpgi.com/) on a representative sample of pages/components across selected user journeys, for the purpose of assessing conformance to the Web Content Accessibility Guidelines (WCAG) 2.1.The [W3C Website Accessibility Conformance Evaluation Methodology](http://www.w3.org/TR/WCAG-EM/) (WCAG-EM) was followed for conducting the accessibility audit. The testing included manual accessibility testing, automated accessibility tools, and testing with assistive technology across multiple platforms and browsers.The following applications were used as part of the audit to identify potential accessibility issues:Assistive technologies: TalkBackAccessibility testing tools: Android Accessibility Scanner, Color Contrast Analyser  |
| Applicable standards/guidelines | This report covers the degree of conformance for the following accessibility standards/guidelines:* [Web Content Accessibility Guidelines 2.0](http://www.w3.org/TR/2008/REC-WCAG20-20081211) Level A/AA
* [Web Content Accessibility Guidelines 2.1](https://www.w3.org/TR/WCAG21) Level A/AA
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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 Level AAA criteria.

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## WCAG 2.x Report

### Table 1: Web Content Accessibility Guidelines (WCAG) 2.1, Level A

Notes:

| Criteria | Conformance level | Remarks and explanations |
| --- | --- | --- |
| [**1.1.1 Non-text Content**](http://www.w3.org/TR/WCAG20/#text-equiv-all) (Level A) | Partially supports | Non-text content that is presented to the user has a text alternative that serves the equivalent purpose, with some exceptions:**Workbook:*** The checkmark icon button that appears when a note is saved has the text alternative of “Create flashcard”.
* The text alternative of the Add bookmark button is “Create bookmark, which differs from other parts of the application.

Alternative text for book content is provided by the publishers. There may be instances where the alternative text is not sufficiently descriptive. |
| [**1.2.1 Audio-only and Video-only (Prerecorded)**](http://www.w3.org/TR/WCAG20/#media-equiv-av-only-alt) (Level A) | Not applicable | Bookshelf contains no audio-only or video-only content. |
| [**1.2.2 Captions (Prerecorded)**](http://www.w3.org/TR/WCAG20/#media-equiv-captions) (Level A) | Not applicable | Bookshelf does not contain synchronized media with pre-recorded audio content. |
| [**1.2.3 Audio Description or Media Alternative (Prerecorded)**](http://www.w3.org/TR/WCAG20/#media-equiv-audio-desc) (Level A) | Not applicable | Bookshelf does not contain any synchronized media which would require an alternative for time-based media or audio description. |
| [**1.3.1 Info and Relationships**](http://www.w3.org/TR/WCAG20/#content-structure-separation-programmatic) (Level A) | Partially supports | Information, structure, and relationships conveyed through presentation can be programmatically determined or are available in text, with some exceptions. These include:**Read Aloud Settings:*** The visual headings “Read Aloud Settings” and “Reading Speed” are not conveyed as headings to assistive technology.
* The audio controls are not grouped, nor do they have a group label.

**Table of Contents:*** Book Titles are visually represented as headings, but this is not exposed to assistive technology.

**Reader Preferences:*** The visual headings "Reader Preferences", "Display Options", "Add & Edit Highlighters", and "Add/Edit Highlighter" are not exposed as headings to assistive technology.

**Workbook:*** The visual headings "Workbook", “Highlights and Notes”, “My Bookmarks” and “Edit Deck” are not exposed as headings to assistive technology.
 |
| [**1.3.2 Meaningful Sequence**](http://www.w3.org/TR/WCAG20/#content-structure-separation-sequence) (Level A) | Supports | The correct reading sequence of content can be programmatically determined. |
| [**1.3.3 Sensory Characteristics**](http://www.w3.org/TR/WCAG20/#content-structure-separation-understanding)(Level A) | Supports | Instructions provided for understanding and operating content do not rely solely on sensory characteristics of components. |
| [**1.4.1 Use of Color**](http://www.w3.org/TR/WCAG20/#visual-audio-contrast-without-color) (Level A) | Partially supports | In the majority of cases, color is not used as the only visual means of conveying information, indicating an action, prompting a response, or distinguishing a visual element, with one exception:* In the Reader Home, there are inline links that are only visually apparent through the use of color.
 |
| [**1.4.2 Audio Control**](http://www.w3.org/TR/WCAG20/#visual-audio-contrast-dis-audio) (Level A) | N/A | The application does not contain any audio which plays automatically for more than 3 seconds. |
| [**2.1.1 Keyboard**](http://www.w3.org/TR/WCAG20/#keyboard-operation-keyboard-operable) (Level A) | Partially supports | The majority of the functionality of the content is operable through a keyboard interface without requiring specific timings for individual keystrokes, with one exception:**Read Aloud Settings:*** The “Learn More About Talkback” link is not actionable when Talkback is running.
 |
| [**2.1.2 No Keyboard Trap**](http://www.w3.org/TR/WCAG20/#keyboard-operation-trapping) (Level A) | Supports | For every component that receives keyboard focus, focus can be moved away from that component using only a keyboard interface. |
| [**2.1.4 Character Key Shortcuts**](https://www.w3.org/TR/WCAG21/#character-key-shortcuts) (Level A 2.1 only) | Not applicable | The application does not provide keyboard shortcuts. |
| [**2.2.1 Timing Adjustable**](http://www.w3.org/TR/WCAG20/#time-limits-required-behaviors) (Level A) | Not applicable | The application does not feature any time limits. |
| [**2.2.2 Pause, Stop, Hide**](http://www.w3.org/TR/WCAG20/#time-limits-pause) (Level A) | Not applicable | Bookshelf does not feature moving, blinking or scrolling content presented in parallel with other content. |
| [**2.3.1 Three Flashes or Below Threshold**](http://www.w3.org/TR/WCAG20/#seizure-does-not-violate) (Level A) | Supports | The application does not contain anything that flashes more than three times in any one second period. |
| [**2.4.1 Bypass Blocks**](http://www.w3.org/TR/WCAG20/#navigation-mechanisms-skip) (Level A) | Not applicable | Bookshelf is a software product. |
| [**2.4.2 Page Titled**](http://www.w3.org/TR/WCAG20/#navigation-mechanisms-title) (Level A) | Not applicable | Bookshelf is a software product. |
| [**2.4.3 Focus Order**](http://www.w3.org/TR/WCAG20/#navigation-mechanisms-focus-order) (Level A) | Partially supports | The majority of focusable components receive focus in an order that preserves meaning and operability, with some minor exceptions:**Reader Preferences:*** Focus moves from Reader Preferences to the Display tab to the Highlighters tab to the Back button to Display Options. This does not match the visual order of the elements.

**Workbook:*** Focus moves from the Previous button to the Edit Deck heading to the Done button. This does not match the visual order of the elements.
 |
| [**2.4.4 Link Purpose (In Context)**](http://www.w3.org/TR/WCAG20/#navigation-mechanisms-refs) (Level A) | Supports | 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. |
| [**2.5.1 Pointer Gestures**](https://www.w3.org/TR/WCAG21/#pointer-gestures) (Level A 2.1 only) | Partially supports | Most functionality can be operated using a single pointer without a path-based gesture, with one exception:* Text-highlighting cannot be accomplished without using a path-based gesture.
 |
| [**2.5.2 Pointer Cancellation**](https://www.w3.org/TR/WCAG21/#pointer-cancellation) (Level A 2.1 only) | Supports | Single-pointer functions can be aborted by moving the pointer to a neutral location. |
| [**2.5.3 Label in Name**](https://www.w3.org/TR/WCAG21/#label-in-name) (Level A 2.1 only) | Partially supports | For most user interface components with labels that include text or images of text, the accessible name of the component contains the text that is presented visually, with one exception: **Reader Preferences:*** The accessible name of the mode controls does not match the visible label, when device language is not English (US).
 |
| [**2.5.4 Motion Actuation**](https://www.w3.org/TR/WCAG21/#motion-actuation) (Level A 2.1 only) | Not applicable | The application does not have functionality operated by device motion or user motion. |
| [**3.1.1 Language of Page**](http://www.w3.org/TR/WCAG20/#meaning-doc-lang-id) (Level A) | Supports | The human language of all pages in the application is correctly identified. |
| [**3.2.1 On Focus**](http://www.w3.org/TR/WCAG20/#consistent-behavior-receive-focus) (Level A) | Supports | Components do not initiate a change of context when they receive focus. |
| [**3.2.2 On Input**](http://www.w3.org/TR/WCAG20/#consistent-behavior-unpredictable-change) (Level A) | Supports | Changing the settings of user interface components does not automatically cause a change of context. |
| [**3.3.1 Error Identification**](http://www.w3.org/TR/WCAG20/#minimize-error-identified) (Level A) | Supports | For all input errors that are automatically detected, the items that are in error are identified and the errors are described to the user in text. |
| [**3.3.2 Labels or Instructions**](http://www.w3.org/TR/WCAG20/#minimize-error-cues) (Level A) | Partially supports | Labels or instructions are provided for the majority of content that requires user input, with some minor exceptions: **Workbook:*** The edit note input field lacks a persistent visible label.
* The flashcard edit fields do not have persistent visible labels.
 |
| [**4.1.1 Parsing**](http://www.w3.org/TR/WCAG20/#ensure-compat-parses) (Level A) | Not applicable | Bookshelf is a software product. |
| [**4.1.2 Name, Role, Value**](http://www.w3.org/TR/WCAG20/#ensure-compat-rsv) (Level A) | Partially supports | For most user interface components, 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. However, there are some exceptions:**Read Aloud:*** The reading speed slider does not have an accessible name.
* The pause button in controls has the accessible name of “play”.

**Reader Preferences:*** The modal controls have the word “theme” in their accessible names.
* The Highlighter name text field in the Add/Edit highlighter screen does not have an accessible name.

**Search:*** When disabled, the previous search results icon button does not expose its state to assistive technology.

**Workbook:*** The currently selected highlight color is not exposed as such to assistive technology.
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### Table 2: Web Content Accessibility Guidelines (WCAG) 2.1, Level AA

Notes:

| Criteria | Conformance level | Remarks and explanations |
| --- | --- | --- |
| [**1.2.4 Captions (Live)**](http://www.w3.org/TR/WCAG20/#media-equiv-real-time-captions) (Level AA) | Not applicable | Bookshelf does not contain synchronized media with live audio content. |
| [**1.2.5 Audio Description (Prerecorded)**](http://www.w3.org/TR/WCAG20/#media-equiv-audio-desc-only) (Level AA) | Not applicable | Bookshelf does not contain any synchronized media which would require audio description. |
| [**1.3.4 Orientation**](https://www.w3.org/TR/WCAG21/#orientation) (Level AA 2.1 only) | Supports | All content and functionality are presented and usable at different orientations. |
| [**1.3.5 Identify Input Purpose**](https://www.w3.org/TR/WCAG21/#identify-input-purpose) (Level AA 2.1 only) | Not applicable | Bookshelf is a software product. |
| [**1.4.3 Contrast (Minimum)**](http://www.w3.org/TR/WCAG20/#visual-audio-contrast-contrast) (Level AA) | Partially supports | The majority of text and images of text has sufficient contrast, with one exception:**Read Aloud:*** The “Reading Speed” visual heading has low contrast with its background.
 |
| [**1.4.4 Resize text**](http://www.w3.org/TR/WCAG20/#visual-audio-contrast-scale) (Level AA) | Partially supports | The majority of text can be resized by zooming the page without assistive technology up to 200% without loss of content or functionality, with some exceptions:* Options in the bookshelf window are clipped.
* The book title in the header obscures the “return to library” button.
* In the Workbook under My Bookmarks, chapter content is obscured by the container lower margin.
* In Search, the title in the header partially obscures the search input field.
 |
| [**1.4.5 Images of Text**](http://www.w3.org/TR/WCAG20/#visual-audio-contrast-text-presentation) (Level AA) | Supports | Bookshelf uses text characters to convey information rather than images of text. |
| [**1.4.10 Reflow**](https://www.w3.org/TR/WCAG21/#reflow) (Level AA 2.1 only) | Not applicable | Bookshelf is a software product. |
| [**1.4.11 Non-text Contrast**](https://www.w3.org/TR/WCAG21/#non-text-contrast) (Level AA 2.1 only) | Partially supports | The majority of interface components and graphical objects have a contrast ratio of at least 3:1, with some exceptions. These include:**Workbook:*** Adjacent colors in the Proficiency breakdown infographic have low contrast.
* Some of the text highlight colors create low contrast with book content text.
 |
| [**1.4.12 Text Spacing**](https://www.w3.org/TR/WCAG21/#text-spacing) (Level AA 2.1 only) | Not applicable | Bookshelf is a software product. |
| [**1.4.13 Content on Hover or Focus**](https://www.w3.org/TR/WCAG21/#content-on-hover-or-focus) (Level AA 2.1 only) | Not applicable | Bookshelf does not contain additional content that appears on hover or focus. |
| [**2.4.5 Multiple Ways**](http://www.w3.org/TR/WCAG20/#navigation-mechanisms-mult-loc) (Level AA) | Not applicable | Bookshelf is a software product. |
| [**2.4.6 Headings and Labels**](http://www.w3.org/TR/WCAG20/#navigation-mechanisms-descriptive) (Level AA) | Supports | All headings and labels appropriately describe the topic or purpose of their related content. |
| [**2.4.7 Focus Visible**](http://www.w3.org/TR/WCAG20/#navigation-mechanisms-focus-visible) (Level AA) | Partially supports | All keyboard operable user interface components provide a visible keyboard focus indicator, with some exceptions:**Workbook:*** The following elements do not have a visible focus indicator when in focus: “Done” button, “Switch”, “Previous”, “Next”, “Add Figure”, “Go to content”.
 |
| [**3.1.2 Language of Parts**](http://www.w3.org/TR/WCAG20/#meaning-other-lang-id) (Level AA) | Supports | The human language of each passage or phrase in the content can be programmatically determined. |
| [**3.2.3 Consistent Navigation**](http://www.w3.org/TR/WCAG20/#consistent-behavior-consistent-locations) (Level AA) | Not applicable | Bookshelf is a software product. |
| [**3.2.4 Consistent Identification**](http://www.w3.org/TR/WCAG20/#consistent-behavior-consistent-functionality) (Level AA) | Not applicable | Bookshelf is a software product. |
| [**3.3.3 Error Suggestion**](http://www.w3.org/TR/WCAG20/#minimize-error-suggestions) (Level AA) | Not applicable | Bookshelf does not contain any components expecting user input that have known suggestions for corrections. |
| [**3.3.4 Error Prevention (Legal, Financial, Data)**](http://www.w3.org/TR/WCAG20/#minimize-error-reversible) (Level AA) | Not applicable | Bookshelf does not contain pages that cause legal commitments or financial transactions, modify or delete user-controllable data in a data storage system, or submit user test responses. |
| [**4.1.3 Status Messages**](https://www.w3.org/TR/WCAG21/#status-messages)(Level AA 2.1 only) | Does not support | Status messages are not announced to users of assistive technologies. |

### Table 3: Web Content Accessibility Guidelines (WCAG) 2.1, Level AAA

Notes:

| Criteria | Conformance level | Remarks and explanations |
| --- | --- | --- |
| [**1.2.6 Sign Language (Prerecorded)**](http://www.w3.org/TR/WCAG20/#media-equiv-sign) (Level AAA) | Not evaluated |  |
| [**1.2.7 Extended Audio Description (Prerecorded)**](http://www.w3.org/TR/WCAG20/#media-equiv-extended-ad) (Level AAA) | Not evaluated |  |
| [**1.2.8 Media Alternative (Prerecorded)**](http://www.w3.org/TR/WCAG20/#media-equiv-text-doc) (Level AAA) | Not evaluated |  |
| [**1.2.9 Audio-only (Live)**](http://www.w3.org/TR/WCAG20/#media-equiv-live-audio-only) (Level AAA) | Not evaluated |  |
| [**1.3.6 Identify Purpose**](https://www.w3.org/TR/WCAG21/#identify-purpose) (Level AAA 2.1 only) | Not evaluated |  |
| [**1.4.6 Contrast Enhanced**](http://www.w3.org/TR/WCAG20/#visual-audio-contrast7)(Level AAA) | Not evaluated |  |
| [**1.4.7 Low or No Background Audio**](http://www.w3.org/TR/WCAG20/#visual-audio-contrast-noaudio) (Level AAA) | Not evaluated |  |
| [**1.4.8 Visual Presentation**](http://www.w3.org/TR/WCAG20/#visual-audio-contrast-visual-presentation) (Level AAA) | Not evaluated |  |
| [**1.4.9 Images of Text (No Exception) Control**](http://www.w3.org/TR/WCAG20/#visual-audio-contrast-text-images) (Level AAA) | Not evaluated |  |
| [**2.1.3 Keyboard (No Exception)**](http://www.w3.org/TR/WCAG20/#keyboard-operation-all-funcs) (Level AAA) | Not evaluated |  |
| [**2.2.3 No Timing**](http://www.w3.org/TR/WCAG20/#time-limits-no-exceptions) (Level AAA) | Not evaluated |  |
| [**2.2.4 Interruptions**](http://www.w3.org/TR/WCAG20/#time-limits-postponed) (Level AAA) | Not evaluated |  |
| [**2.2.5 Re-authenticating**](http://www.w3.org/TR/WCAG20/#time-limits-server-timeout) (Level AAA) | Not evaluated |  |
| [**2.2.6 Timeouts**](https://www.w3.org/TR/WCAG21/#timeouts) (Level AAA 2.1 only) | Not evaluated |  |
| [**2.3.2 Three Flashes**](http://www.w3.org/TR/WCAG20/#seizure-three-times) (Level AAA) | Not evaluated |  |
| [**2.3.3 Animation from Interactions**](https://www.w3.org/TR/WCAG21/#animation-from-interactions) (Level AAA 2.1 only) | Not evaluated |  |
| [**2.4.8 Location**](http://www.w3.org/TR/WCAG20/#navigation-mechanisms-location) (Level AAA) | Not evaluated |  |
| [**2.4.9 Link Purpose (Link Only)**](http://www.w3.org/TR/WCAG20/#navigation-mechanisms-link) (Level AAA) | Not evaluated |  |
| [**2.4.10 Section Headings**](http://www.w3.org/TR/WCAG20/#navigation-mechanisms-headings) (Level AAA) | Not evaluated |  |
| [**2.5.5 Target Size**](https://www.w3.org/TR/WCAG21/#target-size) (Level AAA 2.1 only) | Not evaluated |  |
| [**2.5.6 Concurrent Input Mechanisms**](https://www.w3.org/TR/WCAG21/#concurrent-input-mechanisms) (Level AAA 2.1 only) | Not evaluated |  |
| [**3.1.3 Unusual Words**](http://www.w3.org/TR/WCAG20/#meaning-idioms) (Level AAA) | Not evaluated |  |
| [**3.1.4 Abbreviations**](http://www.w3.org/TR/WCAG20/#meaning-located) (Level AAA) | Not evaluated |  |
| [**3.1.5 Reading Level**](http://www.w3.org/TR/WCAG20/#meaning-supplements) (Level AAA) | Not evaluated |  |
| [**3.1.6 Pronunciation**](http://www.w3.org/TR/WCAG20/#meaning-pronunciation) (Level AAA) | Not evaluated |  |
| [**3.2.5 Change on Request**](http://www.w3.org/TR/WCAG20/#consistent-behavior-no-extreme-changes-context) (Level AAA) | Not evaluated |  |
| [**3.3.5 Help**](http://www.w3.org/TR/WCAG20/#minimize-error-context-help) (Level AAA) | Not evaluated |  |
| [**3.3.6 Error Prevention (All)**](http://www.w3.org/TR/WCAG20/#minimize-error-reversible-all) (Level AAA) | Not evaluated |  |

## Legal disclaimer

This information is true and correct to the best of our knowledge as of the date of its release. The contents of this document do not constitute a representation, warranty or guarantee regarding the accessibility of content accessed through our platform. Content owners remain responsible for providing content in accessible form. When such content is distributed through our platform, it shall be rendered in accessible form as set forth herein. Should you notice any issues, please report these to us so that they can be proactively addressed.

1. \* “Voluntary Product Accessibility Template” and “VPAT” are registered service marks of the Information Technology Industry Council (ITI) [↑](#footnote-ref-1)