

High-level accessibility review – LAA (Rittenhouse's R2 ebook platform)

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Contents

Summary	3
Top 3 problems for the Rittenhouse's R2 ebook platform	3
Review of Top Accessibility issues from previous evaluation.....	3
Accessibility findings.....	3
Project wide issues.....	3
1. Landing Page	4
2. Search Results – hemangioma	5
3. Search Results Landing Page	6
4. Browse Landing Page.....	7
5. Advanced Options Pop-up	8

Rittenhouse's R2 ebook platform

Summary

Top 3 problems for the Rittenhouse's R2 ebook platform

This high-level assessment covers limited portions and functionality of the Rittenhouse's R2 ebook platform. The assessment revealed issues with assistive technology compatibility, resulting in some users missing information required to understand content, states and operate functions. It is important to keep in mind that the findings represent a high-level assessment, and do not reflect the results of a Deque Comprehensive Web Assessment.

1. **Contrast (minimum)** – There is a contrast issue in the footer on all pages as well as additional contrast issues on specific pages.
2. **Headings & Labels** – There are several instances of buttons and links that have the same name but different functions.
3. **Keyboard** – Within the advanced options on all pages the close button cannot be reached with the keyboard alone. There also several areas under submenu controls where expand/collapse toggles cannot be reached with the keyboard alone.

Review of Top Accessibility issues from previous evaluation

Majority of the issues have been resolved. The main issue that remains is context-menus (e.g., right-clicking on content) are blocked throughout the site. There are still a few issues with reaching elements with the keyboard alone. Those are noted below in the accessibility findings.

Accessibility findings

Project wide issues

The issues presented in this section were identified in multiple pages and are recorded here to avoid repetition. These are applicable to each screen. Due to particularities, similar issues are still reported on a page per page basis, where applicable.

Automated findings using Axe

Issues found through automated testing come from the Axe plugin, an open source accessibility testing tool that is available for Chrome, Firefox and Edge. Details here: <https://www.deque.com/products/axe/>.

1. **SC 1.4.3 AA** – Contrast (minimum) – In the footer of every page there is a div with class="machine-name" that has text that is set as the same color as the background. If this is intended to be hidden it needs either set as aria-hidden or display none.

Additional manual findings using NVDA screen reader

No manual issues found that were project wide.

1. Landing Page

Source: <https://www-r2library-com.offcampus.lib.washington.edu/>

Test case: Test initial interface/landing page to ensure menus, sub-menus, search box, images, icons, etc. are accessible.

Welcome back, UNIVERSITY OF WASHINGTON! Log Out

UNIVERSITY OF WASHINGTON Libraries

Log in: Enter username Enter password Log in

Create User Profile - Forgot password - Athens log in

Browse A-Z Index My R2 Reserve Shelf

Search content for a drug, publication title, or condition SEARCH Advanced Options

Welcome to the R2 Digital Library

The best selection of constantly **updated**, **Health Sciences** focused, **cross-referenced eContent**. Featuring thousands of resources from the leading health sciences publishers—and growing every day.

Start a Free 30-Day Trial ▶▶

Attend a Demonstration ▶▶

Watch a Demonstration ▶▶

Expand Your Library Beyond eBooks...The R2 Digital Library

The R2 Digital Library is a web based database available from Rittenhouse Book Distributors. It offers fully integrated and searchable medical, nursing and allied health source book content from key health science publishers, on a web based platform.

The R2 Digital Library enables you to:

- Connect your users with essential health sciences content from the leading publishers - on a platform designed to enhance it
- Select resources at the title level and pay once for life of edition access
- Incorporate workflow, integration and collaboration tools designed for the contemporary library
- Explore consortia, patron driven Acquisition and turnkey collection development solutions

Want to learn more? [Contact us](#) or [check out a review of the R2 Digital Library](#) in Doody's Collection Development Monthly.

Featured Publisher

Sigma

MARKETPLACE

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Automated findings using Axe

No automated issues found that were specific to this page.

Additional manual findings using NVDA screen reader

No manual issues found that were specific to this page.

2. Search Results – hemangioma

Source: <https://www-r2library-com.offcampus.lib.washington.edu/Search?q=hemangioma#include=1>

Test case: From the initial landing page, conduct a search for: hemangioma. Test search results page, including filters/refine search (filter by “medicine” practice area and most recent date) and sort by options.

The screenshot shows the University of Washington R2 Digital Library search results page. At the top, there is a navigation bar with the University of Washington Libraries logo, a login section with fields for username and password, and a 'Log Out' link. Below the navigation bar, there are buttons for 'Browse', 'A-Z Index', 'My R2', and 'Reserve Shelf'. A search bar contains the text 'hemangioma', and a 'SEARCH' button is next to it. Below the search bar, there is a 'Tools' dropdown menu. The main content area is titled 'Search Results' and shows 10 results per page. A pagination bar at the top of the results shows 'Jump to page: 1 2 3 4 5 6 7 8 9' and a 'Next >>' link. The first result is titled 'Chapter 1 - Infantile Hemangiomas | Section: CASE STUDY 1-2. INFANTILE HEMANGIOMA OF THE EYELID'. It includes a small image of the book cover and a 'Full Text Available' label. The text of the result describes the book 'Head and Neck Vascular Anomalies: A Practical Case-Based Approach, 2nd; Gresham Richter, MD, FACS, James Suen, MD, Plural Publishing, 2015' and mentions a case study by David H. Darrow and Joel K. Lall-Trail.

Automated findings using Axe

1. **SC 4.1.2 A** – Name, Role, Value – The photo links on each search result are set as aria-hidden. Aria-hidden elements should not be focusable or contain focusable elements. The focusable content needs to be set as `tabindex="-1"` or removed from the DOM.

Additional manual findings using NVDA screen reader

1. **SC 2.4.7 AA** – Focus visible – When the Tools are expanded and they receive focus the focus is not visible.
2. **SC 2.4.6 AA** – Headings and Labels – There are multiple buttons (see more, see less) with the same name that perform different actions. Need to include what the user will see more of in the accessible name. Example: “See More Disciplines”
3. **SC 2.4.6 AA** – Headings and Labels – There are multiple links ([x]) with the same name that perform different actions. These links are used to removed filters. The accessible name needs to include which filter is being removed. Example: “Remove Discipline”.
4. **SC 2.4.4 A** – Link Purpose (In Context) – The pagination links only include the number so a screen reader user does not know what the links are for. The accessible name for the links should include the word “Page”. Example: “Page 1”.
5. **SC 1.4.3 AA** – Contrast (minimum) – On the tools menu when the “Email this Page” or “Save Search Query” are expanded the other buttons are faded out and no longer have at least 4.5:1 contrast.

3. Search Results Landing Page

Source: <https://www-r2library-com.offcampus.lib.washington.edu/Resource/Title/1597565466>

Test case: Test individual search result landing page

The screenshot shows the University of Washington Libraries R2 Digital Library interface. At the top, there is a navigation bar with buttons for 'Browse', 'A-Z Index', 'My R2', and 'Reserve Shelf'. A search bar is prominently displayed with the placeholder text 'Search content for a drug, publication title, or condition'. To the right of the search bar are links for 'Log Out', 'Log In', 'Create User Profile', 'Forgot password', and 'Athens log in'. Below the navigation bar, there are tabs for 'Browse/Search this Title', 'Topics', and 'Tools'. The main content area displays the title 'Head and Neck Vascular Anomalies: A Practical Case-Based Approach' and a breadcrumb trail: 'Head and Neck Vascular Anomalies: A Practical Case-Based Approach > 1: Infantile Hemangiomas > CASE STUDY 1-2. INFANTILE HEMANGIOMA OF THE EYELID'. Below the title, there is a section for 'CASE STUDY 1-2. INFANTILE HEMANGIOMA OF THE EYELID' by David H. Darrow and Joel K. Lall-Traill. The page also includes a 'Representative Cases' section with two cases, 'Case 1' and 'Case 2', each describing a clinical scenario involving infantile hemangioma.

Automated findings using Axe

No automated issues found that were specific to this page.

Additional manual findings using NVDA screen reader

1. **SC 2.1.1 A** – Keyboard – When browse title is expanded the links have “+” graphics to the left that are clickable with the mouse but they cannot be reached or activated with the keyboard alone.
2. **SC 2.4.7 AA** – Focus visible – When the Browse/Search this title, Topics, and tools are expanded and they receive focus the focus is not visible.

4. Browse Landing Page

Source: <https://www-r2library-com.offcampus.lib.washington.edu/Browse#include=1&type=disciplines>

Test case: Test Browse landing page

UNIVERSITY OF WASHINGTON Libraries

Welcome back, UNIVERSITY OF WASHINGTON! Log Out

Login:

Welcome to UNIVERSITY OF WASHINGTON!

Include:

☒ Active
☐ Archive

Browse by:

- [Publication Title](#)
- [Discipline](#)
- [Author](#)
- [Publisher](#)

Practice Area:

- [Allied Health \(39\)](#)

Browse by Discipline

A - H	I - O	P - Z
AIDS (1)	Infectious Disease (6)	Pain Management (3)
Allergy (1)	Internal Medicine (1)	Palliative Care (1)
Alternative/ Complementary Medicine (2)	Laboratory Diagnosis (1)	Pathology (3)
Anatomy (2)	Maternal Child Nursing (4)	Pediatrics (19)
Anesthesiology (3)	Medical Surgical Nursing (2)	Pharmacology (1)
Athletic Training (3)	Microbiology (7)	Pharmacy (5)
	Molecular Biology (1)	Physical Education (2)

Automated findings using Axe

No automated issues found that were specific to this page.

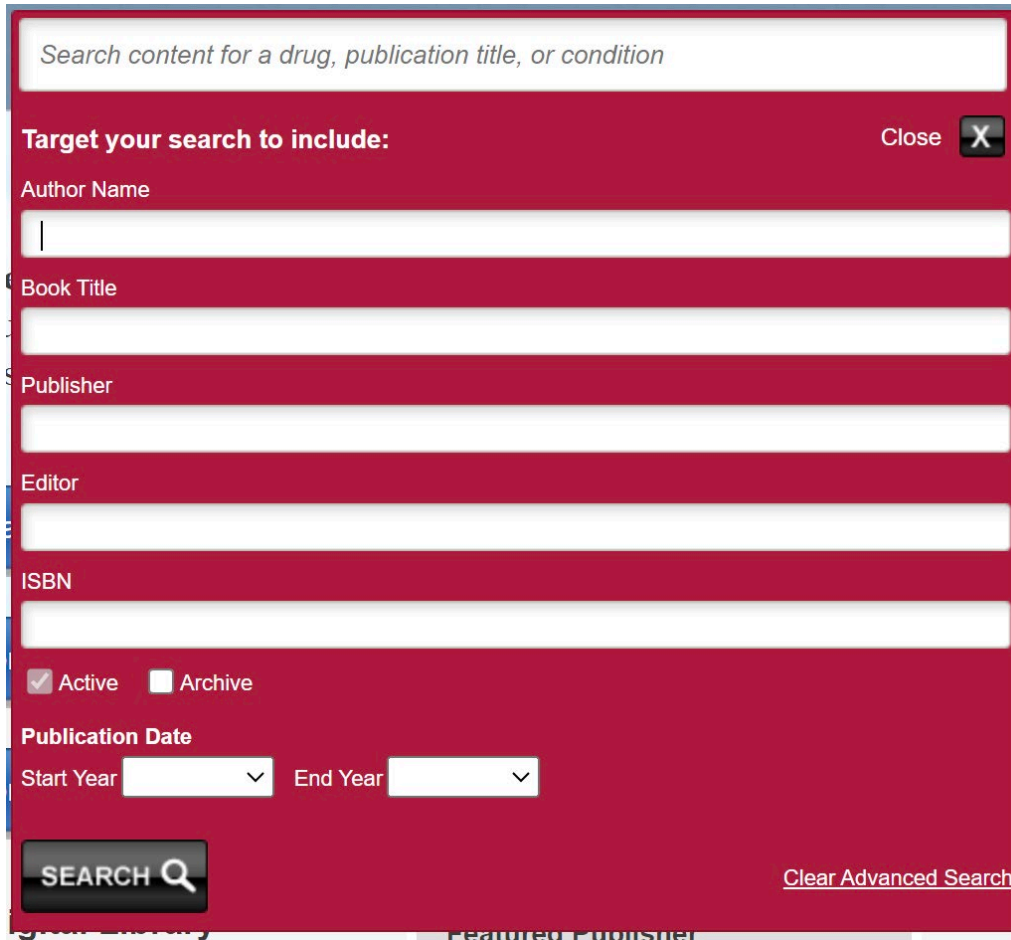
Additional manual findings using NVDA screen reader

Not manual issues found that were specific to this page.

5. Advanced Options Pop-up

Source: <https://www-r2library-com.offcampus.lib.washington.edu/>

Test case: Test the advanced options pop up to the right of the search box at top.



The screenshot shows an advanced search pop-up with a dark red background. At the top is a search bar with the placeholder text "Search content for a drug, publication title, or condition". Below this is a section titled "Target your search to include:" with a "Close" button and an "X" icon. The section contains several input fields: "Author Name", "Book Title", "Publisher", "Editor", and "ISBN". Below these fields are two checkboxes: "Active" (checked) and "Archive" (unchecked). At the bottom, there are two dropdown menus for "Start Year" and "End Year". A "SEARCH" button with a magnifying glass icon is located at the bottom left, and a "Clear Advanced Search" link is at the bottom right.

Automated findings using Axe

No automated issues found specific to this component.

Additional manual findings using NVDA screen reader

1. **SC 2.1.1 A** – Keyboard – The close button cannot be reached or activated with the keyboard alone.
2. **SC 2.4.3 A** – Focus Order – If the advanced options is closed using the escape key focus is moved back to the search field rather than the advanced options button which activated the menu.