High–level accessibility review – LAA
(EBSCOhost Platform)

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EBSCOhost Platform

Summary

Top 3 problems for the EBSCOhost Platform

This high-level assessment covers limited portions and functionality of the EBSCOhost Platform. The assessment revealed issues with assistive technology compatibility, resulting in some users missing information required to perceive and understand content, and to 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. **ARIA –** Many elements make use of ARIA attributes where there is no valid role. This approach causes inconsistencies in support amongst Assistive Technology.
2. **Contrast –** A handful of key controls and icon controls are low in contrast, making them difficult to perceive.
3. **Labels –** The search inputs found on all pages are missing visible labels.

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 4.1.2 A** – The 'Please enter search term(s)' field has an invalid attribute value for the aria-describedby attribute.
2. **SC 1.4.3 AA** – The 'Search' control is low in contrast. A contrast ratio of 1.89:1 was observed where 4.5:1 is expected.
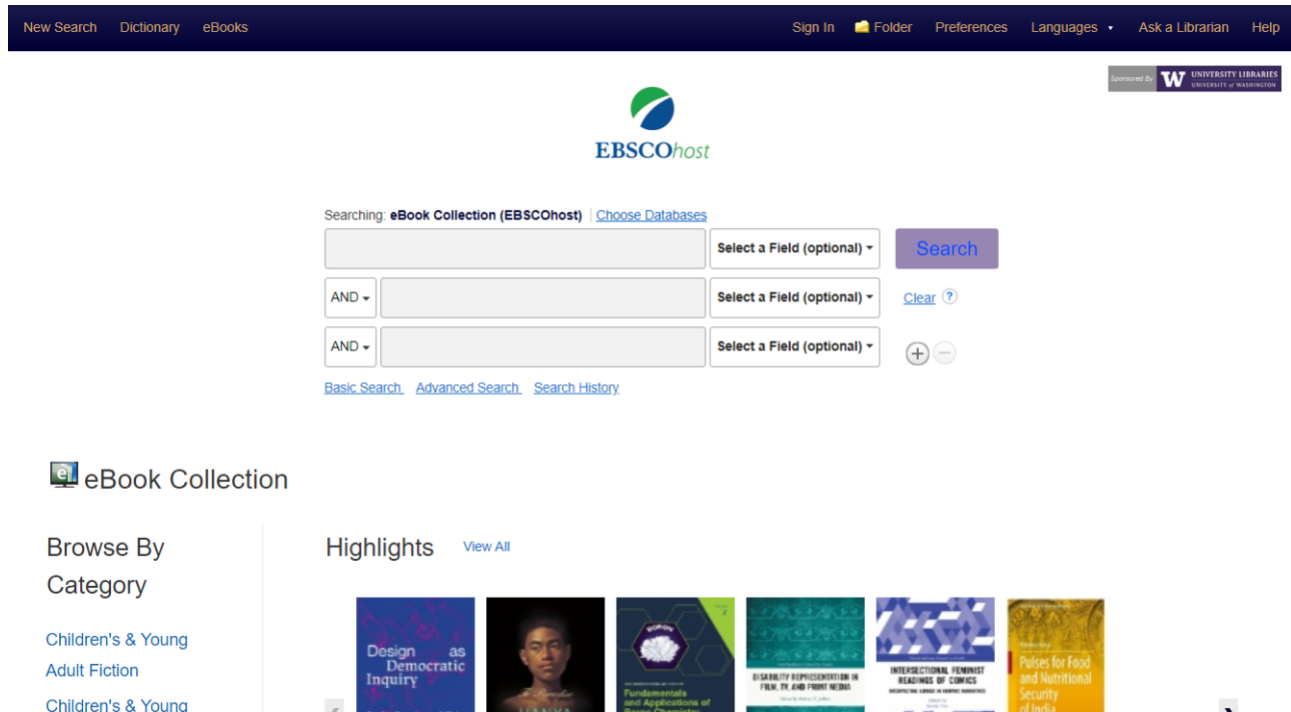
Additional manual findings using NVDA screen reader

1. **SC 1.4.10 AA –** The 'Sponsored by: University of Washington University Libraries' linked image is inappropriately labelled "Library Logo"
2. **SC 3.3.2 A** – The 'Search Terms 1', 'Search Terms 2' and 'Search Terms 3' input fields are missing a visible label.

1. Landing Page

Source: https://web-p-ebscohost-com.offcampus.lib.washington.edu/ehost/search/basic?sid=04b349b3-4019-43e2-8486-ed71b88e973a@redis&vid=0&tid=2003EB

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

Automated findings using Axe

1. **SC 2.4.4 A** – All instances of "View All" links contain the same programmatic text but have a unique purpose that is not programmatically provided via additional context.

Additional manual findings using NVDA screen reader

1. **SC 1.4.4 AA** – The 'Browse by category' and 'eBook Support Information' sections are missing at a 200% zoom level.
2. **SC 1.4.10 AA** – The 'Browse by category' and 'eBook Support Information' section content and functionality is unavailable on a reflow viewport that is 320 CSS px wide.
3. **SC 4.1.3 AA** – In the 'Choose databases' modal, the "Note: Selecting all databases for search may result in slow response time" status message is not automatically announced.
4. **SC 1.4.11 AA** – In the 'Choose databases' modal, the 'X' (close) icon is low in contrast.
5. **SC 2.4.6 AA** – In the 'Choose databases' modal, there are multiple instances of the 'More info' button with insufficient context for each same-named control.

2. Search Results: What Ever Happened to Orson Welles

Source: https://web-s-ebscohost-com.offcampus.lib.washington.edu/ehost/resultsadvanced?vid=3&sid=eaab240e-26ed-4369-80e5-a9f0b5c01957%40redis&bquery=What+Ever+Happened+to+Orson+Welles... [URL Truncated]

Test case: From the initial interface, perform a search. Choose "Choose Database" and then "Select all". Search for: What Ever Happened to Orson Welles. Test results page, including Filter – Source Type, Sort by Relevance and Sort by Page Options.

Automated findings using Axe

1. **SC 2.4.4 A** – All instances of "Show more" links contain the same programmatic text but have a unique purpose that is not programmatically provided via additional context.
2. **SC 4.1.1 A** – The 'Ask Us!' control is a link nested within a button. This is an unsupported nesting practice.
3. **SC 4.1.2 A** – The 'Publication date' slider elements contains attributes that are not supported on the span role: aria-valuemin, aria-valuenow, aria-valuemax, aria-label, aria-labelledby
4. **SC 4.1.2 A** – The 'Search results', 'Refine results' and 'Ask us' containers use aria-labelledby which is not well-supported on the div role used by the containers
5. **SC 1.4.3 AA** – The 'Go' control is low in contrast. A contrast ratio of 1.89:1 was observed where 4.5:1 is expected.

Additional manual findings using NVDA screen reader

1. **SC 1.4.3 AA** – The 'Enter company' placeholder text is low in contrast. A contrast ratio of 2.5:1 was observed where 4.5:1 is expected.
2. **SC 1.4.11 AA** – All instances of the 'Add to folder' icon are low in contrast in checked and unchecked states. A contrast ratio of 2.2:1 was observed where 3:1 is expected.
3. **SC 4.1.2 A** – When an item is added to a folder, the 'remove from folder' icon button is missing a programmatic name.
4. **SC 1.4.11 AA** – When an item is added to a folder, the 'remove from folder' icon button is partially low in contrast due to the gradient.

3. Result Details

Source: https://web-s-ebscohost-com.offcampus.lib.washington.edu/ehost/detail/detail?vid=4&sid=eaab240e-26ed-4369-80e5-a9f0b5c01957%40redis&bdata=JnNpdGU9ZWhvc3QtbGl2ZQ%3d%3d#AN=3164140&db=nlebk

Test case: Select first result, What Ever Happened to Orson Welles?: A Portrait of an Independent Career. Test the result page including PDF Full Text, EPUB Full Text, Full Download. Test "Refine Search".

Automated findings using Axe

1. **SC 4.1.2 A** – The 'Most relevant pages from this ebook', 'Table of Contents', 'Detailed record' and 'Tools' containers use aria-labelledby which is not well-supported on the div role used by the containers

Additional manual findings using NVDA screen reader
Not completed due to insufficient time.

4. Advanced Search

Source: https://web-p-ebscohost-com.offcampus.lib.washington.edu/ehost/search/advanced?vid=7&sid=6d88cab5-c0ff-40d5-b157-eec9659480d8%40redis

Test case: Test Advanced Search link.

Automated findings using Axe
No unique automated issues were found.

Additional manual findings using NVDA screen reader
Not completed due to insufficient time.