High–level accessibility review – LAA
(ProQuest ERIC Platform)

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ProQuest ERIC Platform

Summary

Top 3 problems for the ProQuest ERIC Platform

This high-level assessment covers limited portions and functionality of the ProQuest ERIC 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. **Non Text Contrast –** Contrast of focus indicators and of form controls is required by low vision users in order to accurately identify controls and content so that they can independently operate the controls and understand content.
2. **Link / Button Additional Context –** In search results, there are many instances of same-named links and buttons that perform a unique task for the unique search result. However the controls do not provide the additional programmatic context which is required by users of Assistive Tech to reliably operate these controls.
3. **Use of Color –** When links are found among another block of text that is not a link, color alone is used to visually identify the link. This presents a problem for low-vision or color blind users who may rely on another visual method to visually identify links that does not rely on color alone.

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/.

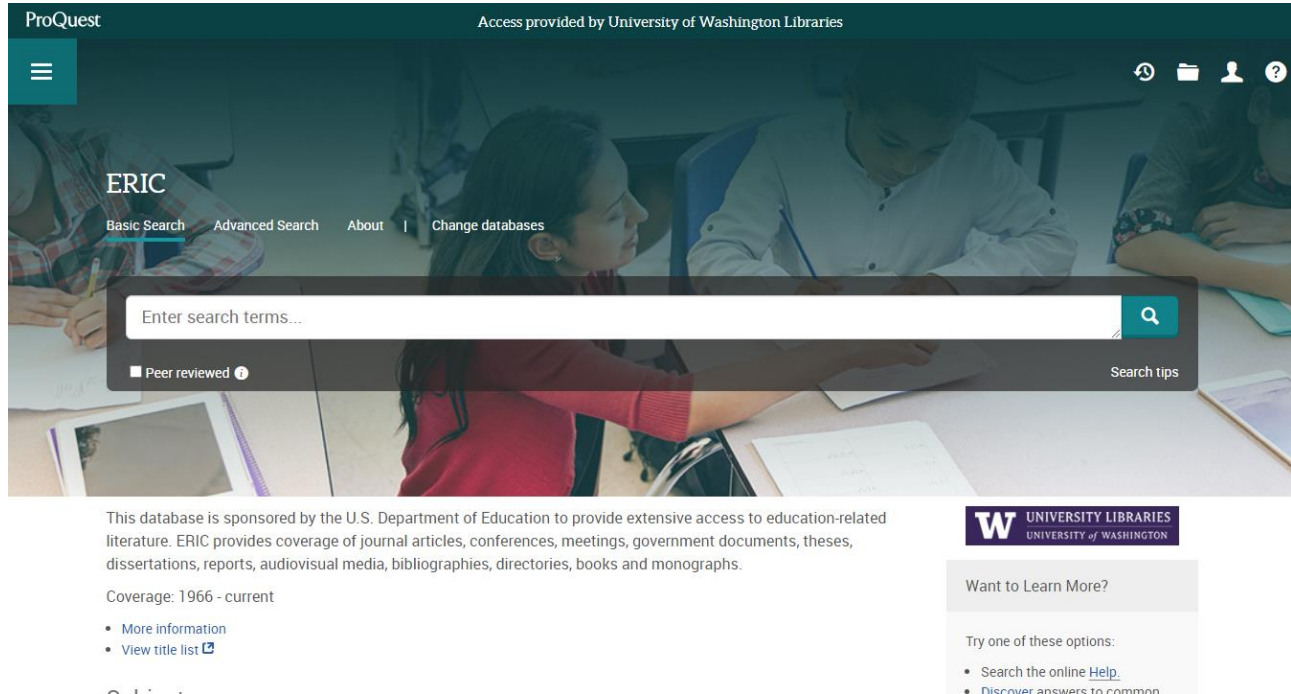**No site-wide issues were found using automated scanning methods.**

Additional manual findings using NVDA screen reader

1. **SC 1.4.11 AA** – The 'search' button icon focus indicator is low in contrast. A contrast ratio of 2.1:1 was observed where a minimum 3:1 ratio is required.
2. **SC 1.1.1 A** – decorative icons not ignored. They are implemented as CSS pseudo-content to expose an icon but the assigned letter for the content is read out by AT. Eg. In header, "P" for 'Selected items' icon. In Search Results, "M" for 'accordion carets'

1. Landing Page

Source: https://www.proquest.com/eric/fromBasicHomePage?accountid=14784 [URL TRUNCATED]
Test case: Test initial interface/landing page to ensure menus, sub-menus, search box, images, icons, etc. are accessible

Automated findings using Axe

1. **SC 4.1.1 A** – The page contains duplicate IDs when IDs that are assigned to elements on a page must be unique. Affected IDs: (productFullDesc).

Additional manual findings using NVDA screen reader

1. **SC 1.4.3 AA** – The 'Peer reviewed' tooltip heading is low in contrast. A 4.3:1 contrast ratio was observed when a 4.5:1 ratio is required.
2. **SC 1.4.1 A** – The 'More information' link in the 'Peer reviewed' tooltip relies on color alone to distinguish itself from other non-link content.
3. **SC 1.4.11 AA** – When the pink focus indicator is laid over dark background colors (such as in the 'Basic Search' section), the focus indicator is below the minimum required 3:1 contrast ratio.
4. **SC 1.4.11 AA** – The light green bar (#169AA2) that is used to visually indicate the 'current' search option is consistently low in contrast against the background gradient over the background image.
5. **SC 4.1.2 A** – The 'peer reviewed' tooltip does not programmatically indicate its expanded/collapsed state.

2. Search Results

Source: https://www.proquest.com/eric/results/873D63A26E534888PQ/1?accountid=14784
Test case: From the initial landing page, conduct a search. Search for: common core. Test search results page, including filters/refine search: Set Publication date to 2000 to 2029 and Document type to Article. Test Sorted by options/dropdown: sort by Most recent first

Automated findings using Axe
No issues were found using automated methods.

Additional manual findings using NVDA screen reader
1. **SC 1.4.11 AA** – When a user hovers over any of the 'Cite', 'Email', 'Save to My Research' or 'All save & export options' items, the icon becomes low in contrast against the lightened icon background.
2. **SC 1.4.13 AA** – When a mouse user hovers over any of the 'Cite', 'Email', 'Save to My Research' or 'All save & export options' items and exposes the tooltip, the user is unable to move their mouse pointer over the tooltip content without the content disappearing.
3. **SC 1.4.11 AA** – When the 'Go' and 'Items per page' controls in the pagination section receive focus, the focus indicator is low in contrast.
4. **SC 1.4.11 AA** – When the 'Go' control receives focus, the focus indicator (change in background color) is insufficient and does not meet the minimum 3:1 contrast ratio.
5. **SC 1.4.11 AA** – When select controls on the page (eg. Items per page, Sorted by) receive focus, the focus indicator is insufficiently contrasting.
6. **SC 2.1.1 A** – The 'bar chart publication date filter' cannot be operated by a keyboard alone.
7. **SC 4.1.3 AA** – The "Your session will expire in…" countdown status message is not automatically announced by Assistive Tech.
8. **SC 2.4.4 A** – All links in each result item are missing additional programmatic context to identify the unique purpose of each same-named link.
9. **SC 2.4.6 AA** – All buttons in each result item are missing additional programmatic context to identify the unique purpose of each same-named button.
10. **SC 1.1.1 A** – The linked image, 'Check for full text', does not contain its visible text in its accessible name.
11. **SC 1.4.3 AA** – In the expanded date picker for 'From' date, the current date is low in contrast when the

date happens to land on the 'previous month' area. A 1.57:1 contrast ratio was observed where a minimum 4.5:1 ratio is required.

12. **SC 1.4.5 AA** – The 'Check for full text' control is implemented as an image of text.

3. Individual Search Result

Source: https://www.proquest.com/eric/docview/2821958366/7F5F02B56AF74F8EPQ/1?
Test case: Test individual search result landing page & test actual document. Test the Cite button and the Translate button.

Automated findings using Axe

1. **SC 4.1.2 A** – The container for the expanded 'Translate' options inappropriately uses aria-expanded.
2. **SC 1.4.3 AA** – The 'Translate' control is low in contrast. A contrast ratio of 2.54:1 was observed where a minimum 4.5:1 ratio is required.
3. **SC 4.1.1 A** – The page contains duplicate IDs when IDs that are assigned to elements on a page must be unique. Affected IDs: (modal-footer-ux, open-layer-docview-wrapper).

Additional manual findings using NVDA screen reader

1. **SC 1.4.11 AA** – When 'Suggested sources' receives focus, the focus indicator is low in contrast. A contrast ratio of 1.18:1 was observed when a minimum 3:1 ratio is required.
2. **SC 1.3.1 A** – The 'Subject' group label is not programmatically associated with the checkboxes.
3. **SC 4.1.2 A** – The 'Definition: Times cited in Web of Science' tooltip trigger does not expose its expanded/collapsed state nor does it expose the fact that interacting with it will open a popup.
4. **SC 4.1.2 A** – When the 'Translate' area is expanded, and a user has not filled in the fields, the 'Translate' button is visually disabled but not programmatically disabled. Also, it is possible for a screen reader user to trigger the control although this appears to be a bug.
5. **SC 1.4.11 AA** – The visible boundary for the "To" language field is low in contrast. A contrast ratio of 1.61:1 was observed where a minimum 3:1 ratio is required.
6. **SC 1.4.1 A** – The 'Show full disclaimer' link relies on color alone to visually distinguish itself as a link from surrounding non-link text.
7. **SC 3.2.2 A** – When triggering the 'Translate' link, focus is inappropriately moved.
8. **SC 3.3.2 A** – When the 'Translate' area is expanded, required fields are not identified and the user has no way to trigger a validation error as the 'Translate' button is disabled.
9. **SC 1.4.11 AA** – When the language select controls on the page receive focus, the focus indicator is insufficiently contrasting.

4. Advanced Search

Source: https://www.proquest.com/eric/advanced?accountid=14784 [URL TRUNCATED]
Test case: Test advanced search page. Search mathematics in All subjects & indexing – SUBJECT. Limit to Peer reviewed. Limit Publication Date to Last 30 Days.

Automated findings using Axe
No issues were found using automated methods.

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