

# **High-level accessibility review - LAA**

(Fulcrum platform)

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## Fulcrum platform Summary

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### Top 3 problems for the Fulcrum platform

This high-level assessment covers limited portions and functionality of the Fulcrum 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. **Focus Order** – There are hidden elements that can be reached with the keyboard on multiple pages as well as issues with focus jumping to the top of the page when filter options are updated.
2. **Name, Role, Value** – Throughout the pages are instances of elements that require specific children that do not have them. There are also multiple instances of elements not being setup correctly or at all such as lists and tabs.
3. **Keyboard** – On the main landing page and search results page the “numerical sort” tab under the “more” dialog cannot be reached with the keyboard alone.

### Review of Top Accessibility issues from previous evaluation

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Most of the issues that were listed in the previous evaluation have been fixed. There are still a few minor color/contrast issues as well as a couple keyboard issues. It does appear that there are a few new issues primarily revolving around focus order and name, role, value.

### Accessibility findings

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#### 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) – The white (#FFFFFF) text in the cookies button does not have at least 4.5:1 contrast with the blue background (#00afec).

#### Additional manual findings using NVDA screen reader

1. **SC 1.3.1 A** – Info and Relationships – The links next to the copyright (Accessibility, Preservation, Privacy, Terms of Service) appear to be a list but are not marked up as such.

## 1. Landing Page

**Source:** <https://www-fulcrum-org.offcampus.lib.washington.edu/michigan>

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

UNIVERSITY OF MICHIGAN PRESS  
EBOOK COLLECTION

Search and discover books

BROWSE BOOKS HELP

Your use of this Platform is subject to the [Fulcrum Terms of Service](#).

OK

### Search and Browse Books

« Previous | 1 - 15 of 2,380 | Next »

Sort by Publication Date (Newest First) 15 per page

Access

- All content
- Only content I can access
- Only open access content

Funder >

Subject >

Author >

PRINCE AND THE CONSTRUCTION OF RACIAL IDENTITY  
GRIFFIN WOODWORTH

STRATEGIC RESPONSIVENESS  
Scott B. Benson, Brian M. Howard, Kenneth W. Miller

SOCIALIST SUBJECTIVITIES QUEERING EAST GERMANY UNDER HONECKER  
Scott Hendrix, Jeff Pearson, Katherine White

### Automated findings using Axe

1. **SC 1.3.1 A** – Info and Relationships – The access list is improperly setup with a <ul> directly wrapping another <ul> which is not allowed. <ul> should only contain <li> tags.

### Additional manual findings using NVDA screen reader

1. **SC 2.1.1 A** – Keyboard – The “numerical sort” tab under the “more” dialogs cannot be reached with the keyboard alone.
2. **SC 2.4.3 A** – Focus Order – There is a hidden element above the left column of filters that receives focus.
3. **SC 2.4.3 A** – Focus Order – When filters are changed or removed or any other options (order, layout, number of results per page, etc.) are selected the entire page reloads and focus is jumped back to the top of the page. Only the content in the right column should change and focus should remain on the element selected.

## 2. Search Results – dance

**Source:** <https://www-fulcrum-org.offcampus.lib.washington.edu/michigan?utf8=%E2%9C%93&press=michigan&q=dance>

**Test case:** From the initial landing page, conduct a search for: dance. Test search results page, including filters/refine search and sort by options (Title A-Z). Filter the list to Access > Only content I can access.



### Search and Browse Books

The screenshot shows the Fulcrum search interface. On the left is a sidebar with filters: 'Access' (with a dropdown arrow), 'Funder', 'Subject', 'Author', 'Series', and 'Source'. Under 'Access', three radio buttons are visible: 'All content' (selected), 'Only content I can access', and 'Only open access content'. The main search area shows 'Filtering by: dance' with a red 'x' icon and a 'Start Over' link. Below this is a message: 'Not finding what you are looking for? Help improve Fulcrum's search and [share your feedback](#).' Navigation controls include '« Previous | 1 - 15 of 76 | Next »', 'Sort by Relevance', and '15 per page'. Three book covers are displayed: 'Performing Queer Latinidad: Dance, Sexuality, Politics' by Eusebio D. Rivera-Serrano, 'Creating with Roots: Contemporary Street Performances and Dance Choreography', and 'Inhabiting the Impossible: Dance and Experimentation in Puerto Rico'.

#### Automated findings using Axe

1. **SC 1.3.1 A** – Info and Relationships – The access list is improperly setup with a <ul> directly wrapping another <ul> which is not allowed. <ul> should only contain <li> tags.

#### Additional manual findings using NVDA screen reader

1. **SC 2.1.1 A** – Keyboard – The “numerical sort” tab under the “more” dialogs cannot be reached with the keyboard alone.
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## 3. Individual Search Results Landing Page

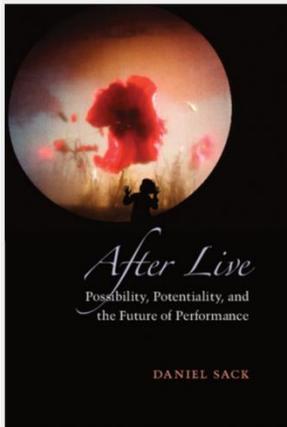
Source: <https://www-fulcrum->

[org.offcampus.lib.washington.edu/concern/monographs/2j62s583t?locale=en](https://www-fulcrum-org.offcampus.lib.washington.edu/concern/monographs/2j62s583t?locale=en)

Test case: Test individual search result landing page of After Live: Possibility, Potentiality, and the Future of Performance



[Home](#) / [Books](#) / After Live: Possibility, Potentiality, and the Future of Performance



## After Live: Possibility, Potentiality, and the Future of Performance

Daniel Sack

✓ Access to this book has been provided by your Library

[Read Book](#) [Download](#) [Buy Book](#)

[Overview](#) [Contents](#) [Stats](#)

In the dark of the blackout before the curtain rises, the theater holds its many worlds suspended on the verge of appearance. How can a performance sustain this sense of

### Automated findings using Axe

1. **SC 1.1.1 A** – Non-text Content – The IRUS logo under the stats tab is missing alternative text.
2. **SC 1.3.1 A** – Info and Relationships – The tablist (overview, contents, stats) has direct children (<h2>) that are not allowed. The tablist should have direct children with the role of tab.
3. **SC 1.3.1 A** – Info and Relationships – The tabs (overview, contents, stats) are not contained directly in an element with a role of tablist.
4. **SC 1.4.1 A** – Use of Color – The links (#337ab7) under the stats tab do not have at least 3:1 contrast with the surrounding text (#666666).

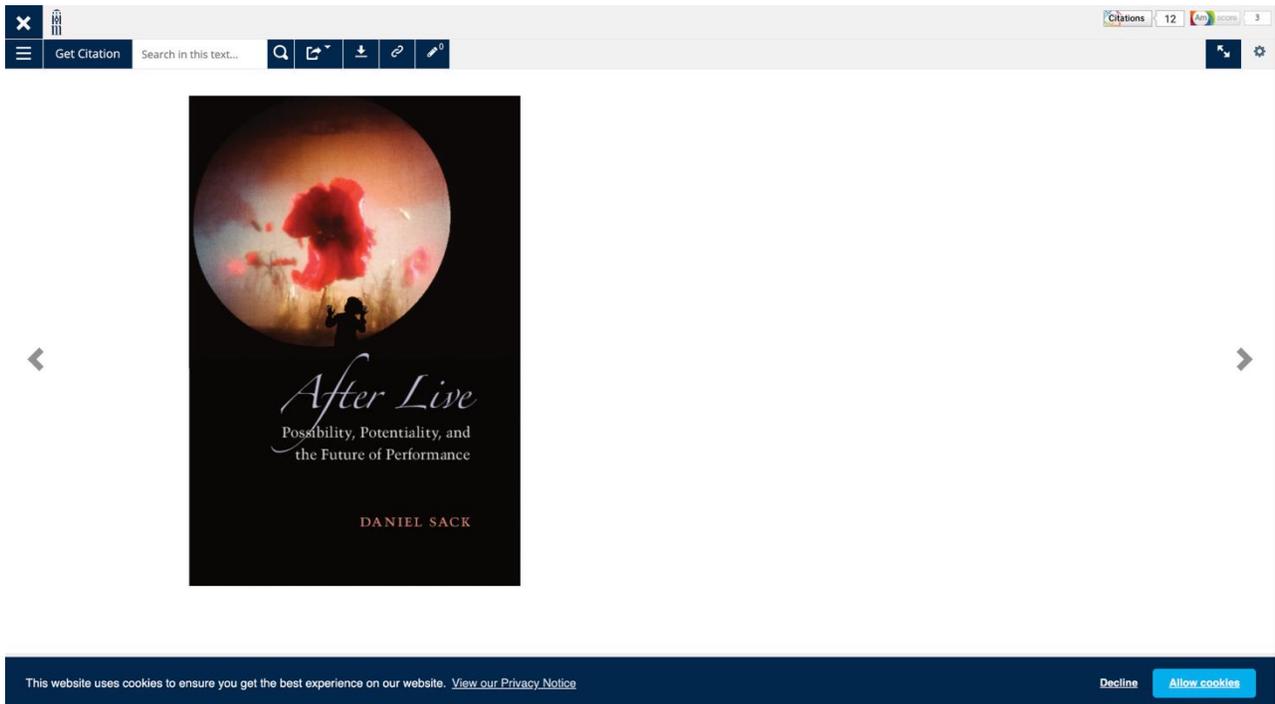
### Additional manual findings using NVDA screen reader

1. **SC 1.3.1 A** – Info and Relationships – The Stats table is not setup properly. Based on the data it should have both column and row headers. The table only uses column headers.
2. **SC 2.5.3 A** – Label in Name – The programmatic label for “Buy Book” link does not contain the visible label. The word “book” needs to be included in the programmatic label.
3. **SC 4.1.2 A** – Name, Role, Value – The tabs (overview, contents, accessibility claims, and stats) use incorrect aria attribute of “aria-expanded”. The tab role should only use “aria-selected”.

## 4. ePUB Reader

**Source:** <https://www-fulcrum-org.offcampus.lib.washington.edu/epubs/z029p577h?locale=en>

**Test case:** Test how the resource functions in the ePUB reader.



### Automated findings using Axe

No automated issues found that are specific to this page.

### Additional manual findings using NVDA screen reader

1. **SC 1.1.1 A** – Non-text Content – The book cover image in the first page of the document is marked as decorative but should not be. It should contain alternative text.
2. **SC 2.4.3 A** – Focus Order – Focus is not maintained inside the table of contents modal. The focus can move outside the modal to content that is not visible.