High–level accessibility review – LAA
(JSTOR Platform)

Primary Point of Contact

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JSTOR Platform

Summary

Top 3 problems for the JSTOR Platform

This high-level assessment covers limited portions and functionality of the JSTOR 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. **Name, Role, Value –** Many interactive elements are missing a proper role or are using inappropriate aria attributes
2. **Info and Relationships –** Several fields are missing labels and related form fields are not grouped
3. **Parsing –** Duplicate IDs

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 1.3.1 A** – Info and Relationships – Google language selector is set to hidden but contains focusable elements
2. **SC 4.1.1 A** – Parsing – Document has multiple elements referenced with ARIA with the same id attribute: pds-menu
3. **SC 4.1.1 A** – Parsing – Document has multiple static elements with the same id attribute: pds
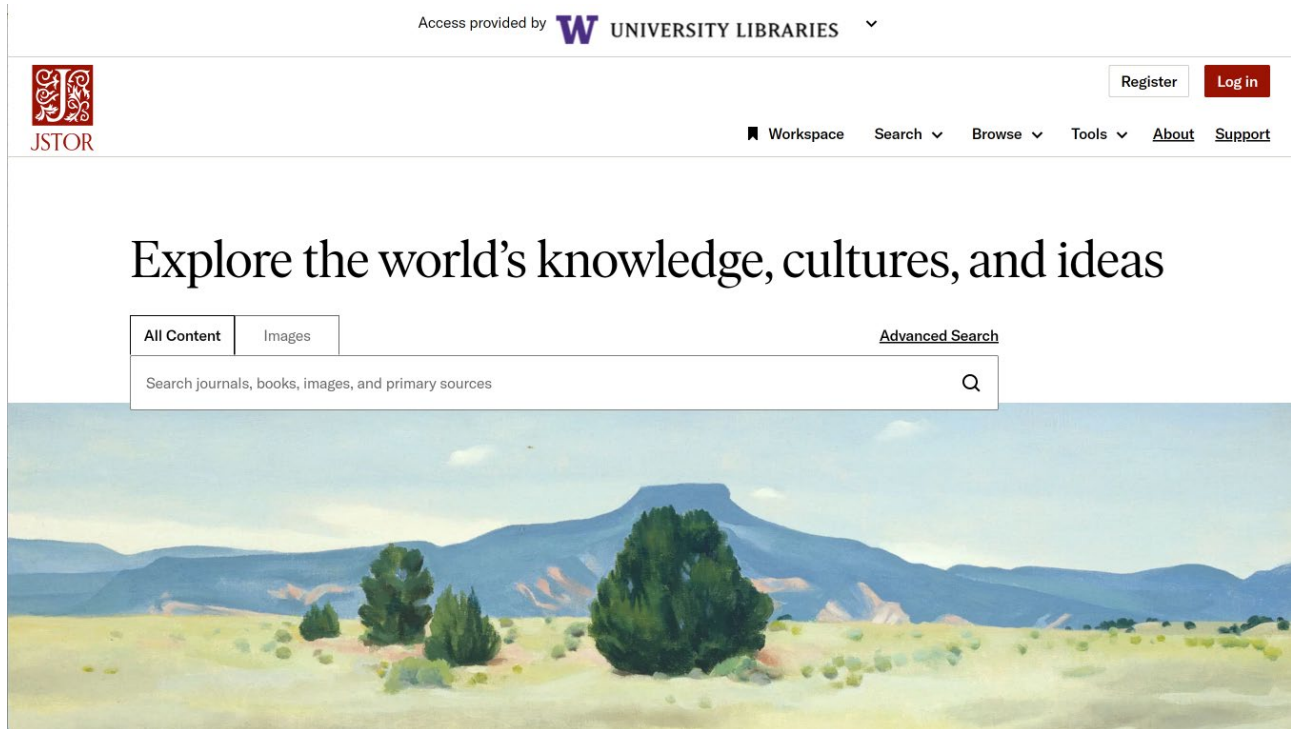
Additional manual findings using NVDA screen reader

1. **SC 1.1.1 A** – Non-text Content – Washington logo alternative text does not accurately describe the logo
2. **SC 2.1.1 A** – Keyboard – Submenus cannot be reached with the keyboard. When spacebar or return key are pressed to open the menu the first item in the dropdown menu is activated taking the user away from the page.
3. **SC 4.1.2 A** – Name, Role, Value – Washington Logo menu does not have a role.
4. **SC 4.1.2 A** – Name, Role, Value – The logo opens a menu but lacks the expand/collapse state

1. **Landing Page**

Source: https://www-jstor-org.offcampus.lib.washington.edu/
Test case: Test initial interface/landing page to ensure menus, search box, images, icons, etc. are accessible.

Automated findings using Axe
1. **SC 4.1.2 A** – Name, Role, Value – Arrow buttons use an invalid aria attribute aria-controls="thematic carousel" and aria-controls="hero-slider"
2. **SC 4.1.2 A** – Name, Role, Value – Hero slider does not have a role but uses the aria-roledescription attribute.
3. **SC 1.3.1 A** – Info and Relationships – Hero Slider and book slider have the <LI> set with a role of group which is not allowed

Additional manual findings using NVDA screen reader
1. **SC 1.1.1 A** – Text Alternatives – The book images in the book slider are repeat info and are decorative so they should be set with alt=""

2. Search Results – Algae Blooms

Source: https://www-jstor-org.offcampus.lib.washington.edu/action/doBasicSearch?Query=Algae+Blooms
Test case: From the initial interface, perform a search of "all content". Search for: Algae Blooms. Test search results page, including Refine Results – Access Type: Content I can use, Book Chapters. Test Sort by option by changing Relevance to Newest.

Automated findings using Axe
1. **SC 4.1.2 A** – Name, Role, Value – From and To text fields do not have a role of textfield and use the aria-label attribute.
2. **SC 4.1.2 A** – Name, Role, Value – Save buttons do not have a role and they use the aria-label attribute.

Additional manual findings using NVDA screen reader
1. **SC 1.3.1 A** – Group Related Form Elements – Access type, primary source content, and academic content have a group label but the checkboxes and radio buttons are not associated with the group labels.
2. **SC 2.4.6 AA** – Descriptive Labels – Multiple download, save, and cite buttons which all serve a purpose specific to the search result but they have the same accessible name. Accessible names need to include the book or article title. For example "Download Relation of Phosphorus Content to Algae Blooms"

3. Search Results Details

Source: https://www-jstor-org.offcampus.lib.washington.edu/stable/25032921?searchText=Algae+Blooms&searchUri=%2Faction%2Fdo BasicSearch%3FQuery%3DAlgae%2BBlooms&ab_segments=0%2FSYC-6744_basic_search%2Ftest-2&refreqid=fastly-default%3A3ba5a69dba973a9f007c5245e3596f9d#metadata_info_tab_contents
Test case: Select a book chapter/result from the search results page. Test the book chapter landing page including menus, buttons, and embedded reader.

Automated findings using Axe
1. **SC 4.1.2 A** – Name, Role, Value – Book page is contained in a DIV with no role set and has an aria-label. Role must be set to use an aria-label.
2. **SC 4.1.2 A** – Name, Role, Value – Save button does not have a role set but has an aria-label. The save button needs role="button" added.
3. **SC 4.1.2 A** – Name, Role, Value – Info button does not have accessible name. An aria label needs added to the button.
4. **SC 4.1.2 A** – Name, Role, Value – Question mark buttons do not have accessible name. An aria label needs added to the buttons.
5. **SC 4.1.2 A** – Name, Role, Value – Magnifying glass button does not have an accessible name. An aria label needs added to the button.
6. **SC 4.1.2 A** – Name, Role, Value – Copy button does not have an accessible name. An aria label needs added to the button.
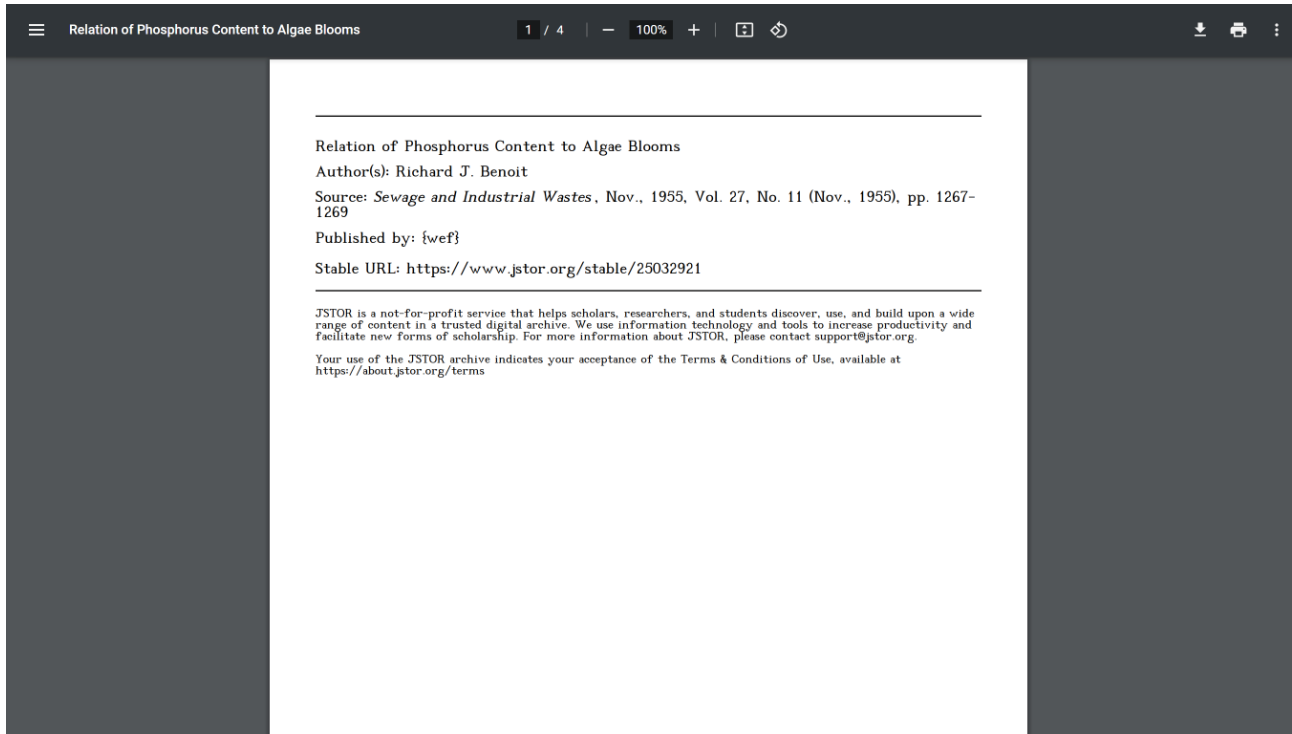
Additional manual findings using NVDA screen reader
Not completed due to insufficient time.

4. PDF download of Book Chapter

Source: https://www-jstor-org.offcampus.lib.washington.edu/stable/pdf/25032921.pdf?refreqid=excelsior%3A9ec57ae3e0a76b0fbc8fe98664646a35&ab_segments=0%2FSYC-6744_basic_search%2Ftest-2&origin=

Test case: Quickly test PDF download of Book Chapter.

Relation of Phosphorus Content to Algae Blooms

1 / 4   —   100%   +   ⊡ ⟳   ⬇ 🖨 ⋮

Relation of Phosphorus Content to Algae Blooms

Author(s): Richard J. Benoit

Source: *Sewage and Industrial Wastes*, Nov., 1955, Vol. 27, No. 11 (Nov., 1955), pp. 1267–1269

Published by: {wef}

Stable URL: https://www.jstor.org/stable/25032921

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Automated findings using Axe

1. Error while parsing the PDF Document (Operator 'k' not allowed in this current state.)

Additional manual findings using NVDA screen reader

Not completed due to insufficient time.

5. Advanced Search

Source: https://www-jstor-org.offcampus.lib.washington.edu/action/showAdvancedSearch
Test case: Test Advanced Search link if time

Automated findings using Axe
1. **SC 1.3.1 A** – Info and Relationships – Second Keyword text field is missing a label
2. **SC 4.1.2 A** – Name, Role, Value – Add a search box button is missing a proper role. Should be set as role="button"

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