

High-level accessibility review – LAA (Popular Culture in Britain and America Platform)

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(Popular Culture in Britain and America Platform)

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Popular Culture in Britain and America Platform

Summary

Top 3 problems for the Popular Culture in Britain and America Platform

This high-level assessment covers limited portions and functionality of the Popular Culture in Britain and America 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. **Name Role Value** – Consistently, when a tab widget is present there are errors in its implementation. These errors can lead to the widget not operating in a manner that users expect.
2. **Contrast** – Many issues exist with contrast of text, contrast of User Interface elements, contrast of focus indicators and contrast of different states (focus / hover). These issues can negatively impact a low-vision user.
3. **Label in Name** – While there have been improvements in the programmatic labeling of controls, some areas do not include the visible text within the programmatic label. Issues of this type can negatively impact sighted users who may rely on voice command/input software to navigate and operate a page – these users rely on being able to dictate the text labels that they observe on-screen.

Comparison to 2021

[\[Link to previous evaluation\]](#)

Project Wide Section

- All previously reported issues remain, except for a 4.1.2 issue regarding the menu items with submenus and expanded/collapsed states, which is fixed

Landing Page Section

- Issues with decorative images still exist
- Issues with programmatic link text and link roles have been fixed

Search Results Section

- Issues with multiple labels are fixed
- Issues with interactive controls nested within other controls still exist
- Issues with malformed DL elements no longer exist
- All contrast issues (text, focus indicators, placeholder content, UI elements without text) still exist
- Issues with pressed/selected/expanded/collapsed states still exist
- Issues with visible label in accessible name are fixed
- Issues with errors in tab widget implementation still exist

Image Landing Page Section

- Issues with list markup are fixed
- Issues with errors in tab widget implementation still exist
- Issues with contrast still exist

Fanzine Landing Page Section

- Issues with list markup are fixed
- Issues with errors in tab widget implementation still exist
- Issues with contrast still exist

Advanced Search Section

- Issues with list markup are fixed

- Issues with duplicated IDs are fixed
- Issues with ARIA menu widget implementation are fixed

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 linked logo in the header is missing accessible link text.
2. **SC 1.1.1 A** – The ‘Popular Culture in Britain and America, 1950 - 1975’ linked image in the header is missing a descriptive alternate description
3. **SC 1.4.3 AA** – The footer links and white text is low in contrast. A 3.35:1 contrast ratio was observed where a minimum 4.5:1 ratio is required.
4. **SC 2.5.3 A** – The ‘Accept’ control in the cookie notice does not contain its visible label in the accessible name, in the same order as it appears, uninterrupted.
5. **SC 1.4.3 AA** – The white text in the cookie notice is low in contrast. A contrast ratio of 3.99:1 was observed where a minimum 4.5:1 ratio is required.
6. **SC 1.4.3 AA** – The “Learn more” content in the cookie notice is low in contrast. A contrast ratio of 3.09:1 was observed where a minimum 4.5:1 ratio is required.

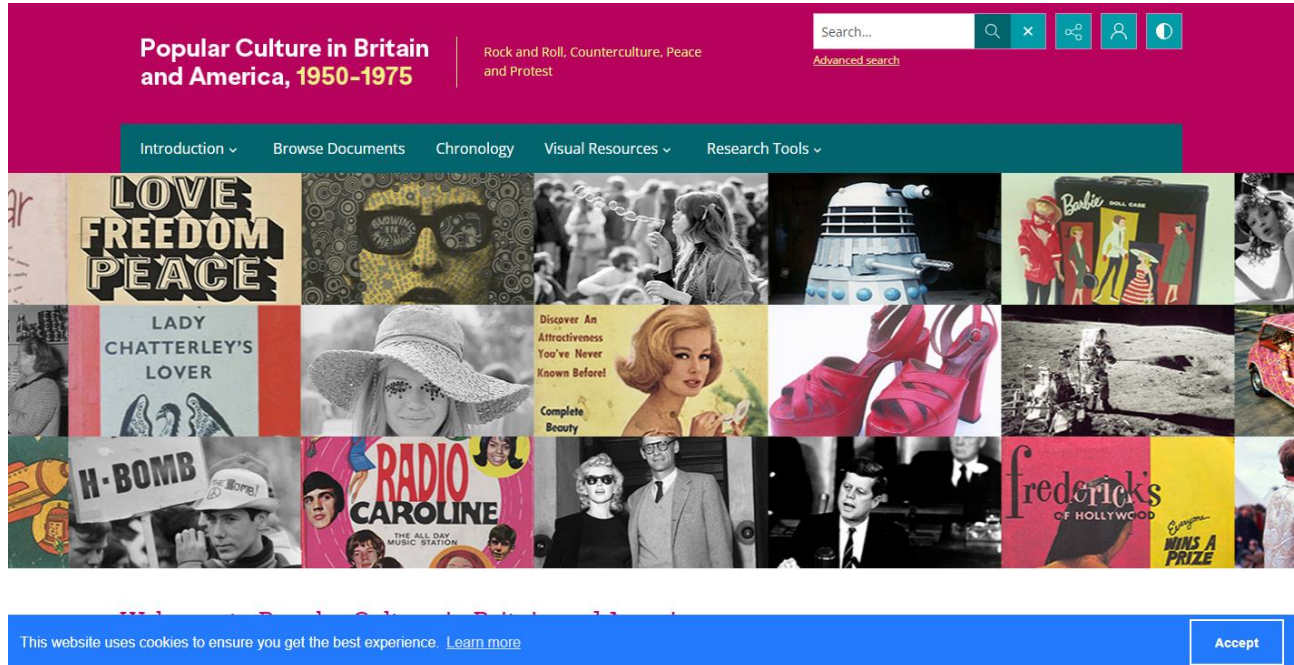
Additional manual findings using NVDA screen reader

1. **SC 1.1.1 A** – The ‘Adam Matthew’ linked image in the footer is missing vital text in its alternate description.
2. **SC 1.4.3 AA** – The top-level navigation is low in contrast on hover and focus. A 3.4:1 contrast ratio is observed.
3. **SC 1.4.11 AA** – The yellow focus indicator is low in contrast against white and light green backgrounds. Against a white background, a 1.3:1 contrast ratio is observed. Against a light green background, a 2.6:1 contrast ratio is observed.
4. **SC 1.4.3 AA** – The ‘Keyboard Shortcuts’ and ‘Skip to main content’ text is low in contrast when the controls become visible. A 2.7:1 contrast ratio is observed.

1. Landing Page

Source: <https://www-rockandroll-amdigital-co-uk.proxy.lib.umich.edu/>

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 2.5.3 A** – The 'Nature and Scope', 'Visual Resources' and 'Explore the Documents' controls do not contain their visible label in the accessible name, in the same order as it appears, uninterrupted.

Additional manual findings using NVDA screen reader

1. **SC 1.3.2 A** – The text from each individual card is not announced by or available to Assistive Technology. This is primarily due to a mis-use of `aria-label` to programmatically override an accessible name, resulting in Assistive Tech users missing the necessary context for the affected cards.
2. **SC 4.1.2 A** – The accessible names for the linked images that are associated with each card do not accurately inform a user what kind of content will be found when following the link. For example: "Illustration of Mick Jagger on Rock and Roll periodical front cover" does not inform a user that the associated link will provide further information on the archives and research tools featured in the collection.

2. Search Results

Source: <https://www-rockandroll-amdigital-co-uk.proxy.lib.umich.edu/documents?returning=true>

Test case: From the initial landing page, conduct a search for: dalek. Test search results page, including filters/refine search (select the theme “Popular Culture, General”) and sort by “Date Ascending”.

The screenshot shows the search results page for the term 'dalek'. The page header includes the title 'Popular Culture in Britain and America, 1950-1975' and a search bar. The search criteria section shows 'Search Types' (Metadata, Full text), 'Themes' (Popular Culture, General), and 'Search Terms' (dalek). The filter results section shows 'Date' filters and an 'Apply' button. The search results are sorted by 'Date Ascending' and show 'Page 1 of 1' with 'Showing 1-2 of 2' results. The first result is 'OZ, Issue 22'.

Automated findings using Axe

1. **SC 1.3.1 A** – The <div> element that contains the ‘Current search criteria’ section and also has the ARIA role of tablist contains nested child semantic elements that are not allowed to be nested within it.
2. **SC 1.3.1 A** – The <div> element that contains the filter options and also has the ARIA role of tablist contains nested child semantic elements that are not allowed to be nested within it.
3. **SC 1.4.3 AA** – All green text (#039BA8) on a light grey background (#F3F3F3) is low in contrast. A 3.02:1 contrast ratio was observed where a minimum 4.5:1 ratio is required.
4. **SC 1.4.3 AA** – All green text (#039BA8) on a white background is low in contrast. A 3.35:1 contrast ratio was observed where a minimum 4.5:1 ratio is required.
5. **SC 1.4.3 AA** – All green text (#039BA8) on a light grey background (#F0F2F5) is low in contrast. A 2.99:1 contrast ratio was observed where a minimum 4.5:1 ratio is required.
6. **SC 2.5.3 A** – The ‘Clear all’, ‘OZ, Issue 22’ and ‘OZ, Issue 3’ controls do not contain their visible label in the accessible name, in the same order as it appears, uninterrupted. In the case of the results, the item name context is required but must also be appended with the ‘# images’ visible label.
7. **SC 4.1.2 A** – The ‘Documents’ and ‘Secondary Resources’ controls are buttons nested within another interactive parent. This nesting is invalid markup and poorly supported by AT.

Additional manual findings using NVDA screen reader

1. **SC 1.4.11 AA** – The yellow focus indicator is low in contrast against light grey backgrounds. A 1.1:1 contrast ratio is observed.
2. **SC 1.4.3 AA** – The ‘DD’ and ‘YYYY’ placeholder text is low in contrast. A 2.3:1 contrast ratio is observed.
3. **SC 1.4.3 AA** – The ‘Apply’ button text is low in contrast on hover and focus. A 2.7:1 contrast ratio is observed.
4. **SC 4.1.2 A** – All buttons in the ‘View’ section do not indicate their pressed / selected state
5. **SC 4.1.2 A** – The filter subcategories do not programmatically indicate their expanded / collapsed state on page load.

6. **SC 4.1.3 AA** – When a filter or results setting is changed, the ‘loading’ status message is not automatically announced.
7. **SC 1.4.11 AA** – Unchecked filter checkboxes are low in contrast. A 1.2:1 contrast ratio is observed.
8. **SC 4.1.2 A** – Whenever a tab widget is used, there are errors in its implementation. Missing / misused roles and attributes creates a confusing user experience and some expected keyboard interactions are not available.

3. Individual Search Result

Source: <https://www-rockandroll-amdigital-co-uk.proxy.lib.umich.edu/Documents/Detail/television/11212919?item=11212929>

Test case: Test individual search result landing page “Television” & test actual document (PDF, video, etc.).

The screenshot shows the website interface for 'Popular Culture in Britain and America, 1950-1975'. At the top, there is a search bar with the text 'Search...' and a magnifying glass icon. Below the search bar, there is a navigation menu with options: 'Introduction', 'Browse Documents', 'Chronology', 'Visual Resources', and 'Research Tools'. The main content area displays the search result for 'Television'. On the left, there is a large image of a Dalek robot. On the right, there is a summary card with the following details:

- Title:** Television
- Date:** 1956-1979
- Document Type:** Photograph
- Themes:** Mass Media, Youth Culture
- Description:** Photographs of television shows and personalities of the era including Tom Jones, John Thaw, Dr Who, John Cleese and Morecambe and Wise.

Automated findings using Axe

1. **SC 1.3.1 A** – The <div> element that is given the ARIA role of tablist contains nested child semantic elements that are not allowed to be nested within it.
2. **SC 1.4.3 AA** – All green text (#039BA8) on a white background is low in contrast. A 3.35:1 contrast ratio was observed where a minimum 4.5:1 ratio is required.
3. **SC 2.5.3 A** – The ‘Browse Images’ control does not contain its visible label in its accessible name, in the same order as it appears, uninterrupted.
4. **SC 4.1.2 A** – The ‘Image Details’ section contains elements that are given aria-label attributes, even though this is not well-supported and may not have the intended benefit.

Additional manual findings using NVDA screen reader

Not completed due to insufficient time.

5. Advanced Search

Source: <https://www-rockandroll-amdigital-co-uk.proxy.lib.umich.edu/advancedsearch>

Test case: Test advanced search page

The screenshot shows the 'Advanced search' interface. At the top, there is a search bar with a magnifying glass icon and a close button. Below the search bar, there are navigation links: 'Introduction', 'Browse Documents', 'Chronology', 'Visual Resources', and 'Research Tools'. The main heading is 'Advanced search'. Below this, there is a section for 'Search by keywords or phrases:' with a 'Clear form' button and a 'Search' button. There are three search input fields, each with a 'Keywords Anywhere' dropdown and a 'Search...' placeholder. The first two fields are connected by 'AND' dropdowns. Below the search fields, there is a section for 'Refine your search by date and specific categories.' with a 'Date' section containing 'DD', 'Month', and 'YYYY' dropdowns, and an 'Add Range' button. At the bottom, there are two accordion-style filters: 'Themes' with a 'Clear Themes' link and a '22' dropdown, and 'Document Type' with a 'Clear Document Type' link and a '20' dropdown. On the right side, there is a 'PREVIOUS SEARCHES' section with a 'Basic Search: dalek' entry and navigation arrows.

Automated findings using Axe

1. **SC 1.3.1 A** – The 'Themes', 'Document Type' and 'Library / Archive' accordions-type controls are given the ARIA role of tablist and contain child roles that are not allowed or not a role that is required to be nested.
2. **SC 1.4.3 AA** – All green text (#039BA8) on a white background is low in contrast. A 3.35:1 contrast ratio was observed where a minimum 4.5:1 ratio is required.

Additional manual findings using NVDA screen reader

Not completed due to insufficient time.