High-level accessibility review - LAA

(New Play Exchange Platform)

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February 2, 2023



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New Play Exchange Platform **Summary**

Top 3 problems for the New Play Exchange Platform

This high-level assessment covers limited portions and functionality of the New Play Exchange 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. **Color Contrast** All links and navigation as well as some static content lack 4.5:1 contrast with the background
- 2. **Info and Relationships –** Form controls are not programmatically associated with their visible labels.
- 3. **Focus Order** Search menu focus on all pages skips the search text and is automatically set on the first submenu item "Plays"

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 1.4.3 AA All light blue text on a white background is low in contrast with a 2:1 contrast ratio
- 2. **SC 1.4.3 AA** All white text on an orange background is low in contrast with a 2.96:1 contrast ratio

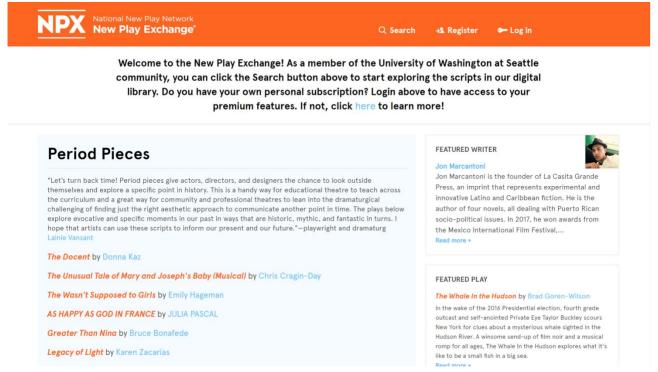
Additional manual findings using NVDA screen reader

- 1. **SC 1.4.11 AA** Non-text contrast Orange Link focus indicator lacks 3:1 contrast. On light blue 2.8:1. On light gray 2.7:1
- 2. **SC 1.4.3 AA** Color Contrast Menu link on hover/focus. The white text on orange is low contrast with a 4:1 contrast ratio
- 3. **SC 1.4.3 AA** Color Contrast Search Sub Menu links on hover/focus. The light orange text on orange is low contrast with a 2:1 contrast ratio
- 4. **SC 2.4.3** A Focus Order Search menu. When tabbing to the search menu focus is moved to the first item in the submenu "Plays" rather than being placed on the search text
- 5. SC 2.4.7 AA Focus Visible NPX Logo is a link and receives focus but is missing a focus indicator.

Landing Page

Source: https://newplayexchange-org.offcampus.lib.washington.edu/dashboard

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 1.4.3 AA** Color Contrast All blue text on a light blue background is low in contrast with a 1.9:1 contrast ratio
- 2. **SC 1.4.3 AA** Color Contrast All orange text on a light blue background is low in contrast with a 2.9:1 contrast ratio
- 3. **SC 1.4.3 AA** Color Contrast All orange text on a white background is low in contrast with a 2.99:1 contrast ratio
- 4. **SC 1.4.3 AA** Color Contrast All orange text on a gray background is low in contrast with a 2.7:1 contrast ratio
- 5. **SC 1.4.3 AA** Color Contrast All blue text on a gray background is low in contrast with a 1.9:1 contrast ratio

Additional manual findings using NVDA screen reader

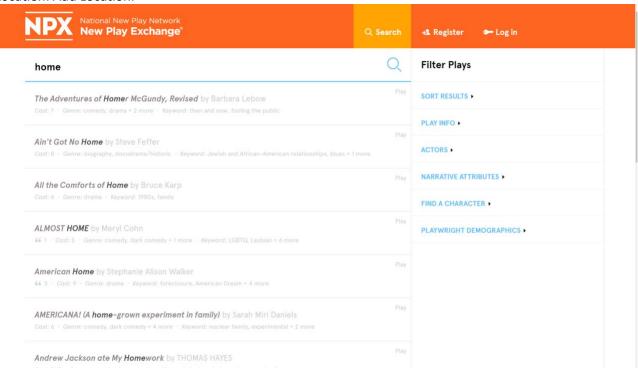
- 6. **SC 1.4.3 AA** Color Contrast on hover/focus dark orange text on a light blue background is low in contrast with a 3.8:1 contrast ratio
- 7. **SC 1.4.3 AA** Color Contrast on hover/focus dark orange text on a white background is low in contrast with a 4:1 contrast ratio
- 8. **SC 1.4.3 AA** Color Contrast on hover/focus light orange text on a light blue background is low in contrast with a 2.8:1 contrast ratio
- 9. **SC 1.4.3 AA** Color Contrast on hover/focus dark orange text on a light gray background is low in contrast with a 3.6:1 contrast ratio
- 10. **SC 1.4.3 AA** Color Contrast on hover/focus light orange text on a light gray background is low in contrast with a 2.7:1 contrast ratio
- 11. SC 1.4.1 A Link Color Contrast Color alone is used to identify all links and the link contrast is not at

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- least 3:1 with the surrounding text.
- 12. **SC 2.4.6 AA** Descriptive Labels Multiple "read more" links that perform different functions have the same accessible name. Accessible names must be specific to the function of the interactive element.

2. Plays Search Results

Source: https://newplayexchange-org.offcampus.lib.washington.edu/search/plays?search_text_box=home **Test case:** From the initial interface, perform a search of "Plays". Search for: home. Test search results page, including check boxes and pull down menus in Filters – Sort Results, Play Info, Actors, and Playwright Location: Add Location.



Automated findings using Axe

- 1. **SC 1.4.3 AA** Color Contrast All light grey text on a white background is low in contrast with a 1.3:1 contrast ratio
- 2. **SC 1.4.3 AA** Color Contrast All medium grey text on a white background is low in contrast with a 3.3:1 contrast ratio
- 3. **SC 1.4.3 AA** Color Contrast All white text on a light orange background is low in contrast with a 2:1 contrast ratio
- 4. **SC 1.3.1 A** 'subject matter keyword, actor fields, and character fields' inputs are not programmatically associated with their visible label

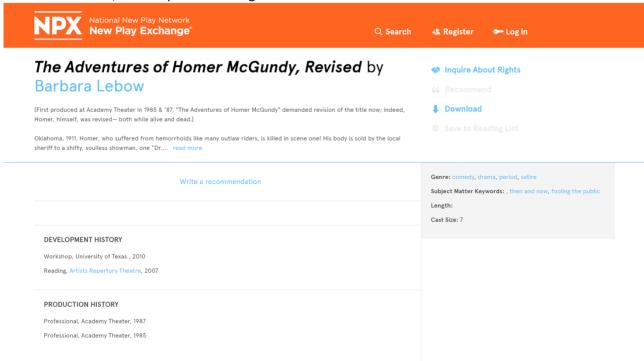
Additional manual findings using NVDA screen reader

1. **SC 1.4.1 A** – Link Color Contrast – Color alone is used to identify the links in the search results and the link contrast is not at least 3:1 with the surrounding text.

3. Play Details Page

Source: https://newplayexchange-org.offcampus.lib.washington.edu/plays/128548/adventures-homer-mcgundy-revised

Test case: Select a play from the search results page. Test the play landing page including links, "Write a recommendation", and "Inquire About Rights".



Automated findings using Axe

1. **SC 1.4.3 AA** – All light grey text on a white background is low in contrast with a 1.3:1 contrast ratio

Additional manual findings using NVDA screen reader

Not completed due to insufficient time.

4. PDF Download

Source: https://newplayexchange-

org.offcampus.lib.washington.edu/system/files/field_play_current_draft/The%20Adventures%20of%20Ho

mer%20McGundy%2C%20Revised.pdf

Test case: Test PDF "Download"

THE ADVENTURES OF HOMER McGUNDY, REVISED

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Automated findings using Axe

- 1. Font Embedding Font Not Embedded
- 2. Logical Structure "Part" structure element is used as root element
- 3. Metadata and Settings Title missing

Additional manual findings using NVDA screen reader

Not completed due to insufficient time.