

High-level accessibility review – Ambrose Video platform - Library Accessibility Alliance

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High-level accessibility review – Ambrose Video - Library Accessibility Alliance

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Ambrose Video Platform

Summary:

Top 3 problems for the Ambrose Video Platform

This high-level assessment covers limited portions and functionality of the Ambrose Video 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. Following are top 3 issues from this evaluation.

- **Reflow:** When using a reflow viewport, important early functions and information either do not reflow or are completely unavailable.
- **Widgets:** The application makes use of tab-like widgets, however the implementation is missing key required elements.
- **Contrast:** While contrast is generally good across the site and contrast customization options were observed, the 'Default mode' contains some contrast issues.

Review of Top Accessibility issues from previous evaluation

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

From the top issues, the following observations were made:

- Keyboard access has been greatly improved
- Images are described and image galleries were not encountered in this scope
- The use of and identification of headings has been greatly improved

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 project-wide issues were found using automated testing methods.

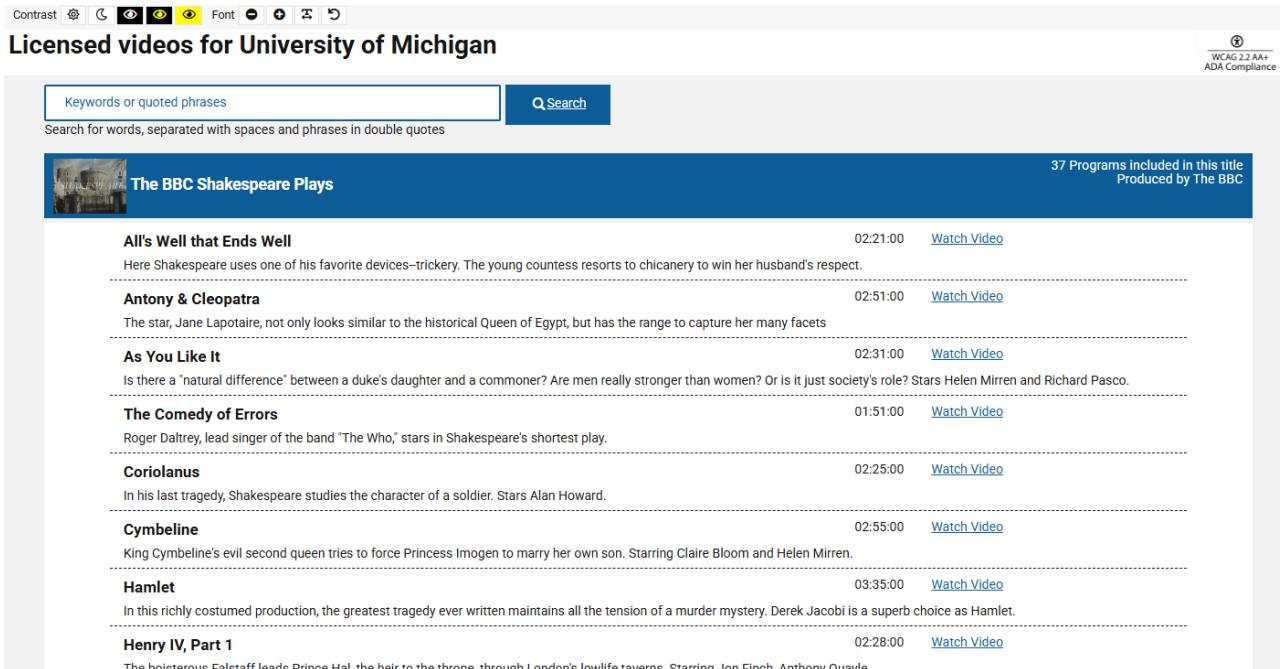
Additional manual findings using NVDA screen reader

1. **SC 1.4.11 AA** – When it appears, the 'back to top' icon control is low in contrast. Primary icon color #F6F6F6 against a background #ACBEC0 results in a 1.8:1 contrast ratio.
2. **SC 2.4.6 AA** – The 'Default Mode' and 'Night Mode' button labels do not sufficiently indicate their purpose.
3. **SC 1.4.11 AA** – The focus indicator for the 'back to top' control is low in contrast.

1. Landing Page

Source: <https://www.ambrosevideo-com.proxy.lib.umich.edu/institutional-access>

Test case: Test initial interface/landing page to ensure menus, sub-menus, search box, images, icons, etc. are accessible. Select The BBC Shakespeare Plays heading to ensure drop-down works appropriately.



The BBC Shakespeare Plays

37 Programs included in this title
Produced by The BBC

Program	Length	Action
All's Well that Ends Well	02:21:00	Watch Video
Antony & Cleopatra	02:51:00	Watch Video
As You Like It	02:31:00	Watch Video
The Comedy of Errors	01:51:00	Watch Video
Coriolanus	02:25:00	Watch Video
Cymbeline	02:55:00	Watch Video
Hamlet	03:35:00	Watch Video
Henry IV, Part 1	02:28:00	Watch Video

Automated findings using Axe

1. **SC 4.1.2 A** – The video item(s) element (eg. ‘The BBC Shakespeare Plays’) uses aria-expanded, which is an attribute that is not allowed on this element without semantics.

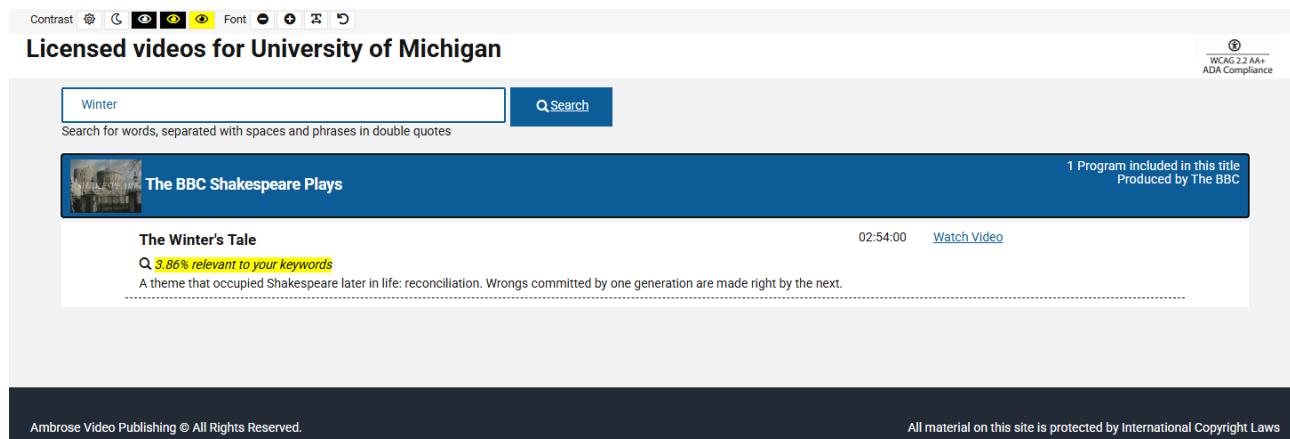
Additional manual findings using NVDA screen reader

1. **SC 4.1.2 A** – The video item(s) element (eg. ‘The BBC Shakespeare Plays’) behaves like a button but is missing a semantic role to identify it as such.
2. **SC 1.4.4 AA** – At a 200% zoom, the video item(s) element (eg. ‘The BBC Shakespeare Plays’) is unavailable.
3. **SC 1.4.10 AA** – On a reflow viewport, the video item(s) element (eg. ‘The BBC Shakespeare Plays’) is unavailable.
4. **SC 1.4.10 AA** – On a reflow viewport, the input field label does not reflow.
5. **SC 1.3.2 A** – Screen reader users are able to read the 37 programs in ‘The BBC Shakespeare Plays’ when the section is collapsed.

2. Search Results

Source: <https://www.ambrosevideo.com.proxy.lib.umich.edu/institutional-access/resources>

Test case: From the initial landing page, conduct a search for: Winter. Test search results page.



The screenshot shows the search results for the keyword 'Winter'. At the top, there are accessibility icons for contrast, font size, and other settings. The main title is 'Licensed videos for University of Michigan'. A search bar contains 'Winter' and a 'Search' button. Below the search bar is a placeholder text: 'Search for words, separated with spaces and phrases in double quotes'. The search results list 'The BBC Shakespeare Plays' with a thumbnail image. To the right of the thumbnail, it says '1 Program included in this title' and 'Produced by The BBC'. Below the thumbnail, the video title 'The Winter's Tale' is listed, along with a relevance score 'Q 3.86% relevant to your keywords' and a description: 'A theme that occupied Shakespeare later in life: reconciliation. Wrongs committed by one generation are made right by the next.' At the bottom of the page, there are copyright notices: 'Ambrose Video Publishing © All Rights Reserved.' and 'All material on this site is protected by International Copyright Laws'.

Automated findings using Axe

1. **SC 4.1.2 A** – The video item(s) element (eg. 'The BBC Shakespeare Plays') uses aria-expanded, which is an attribute that is not allowed on this element without semantics.

Additional manual findings using NVDA screen reader

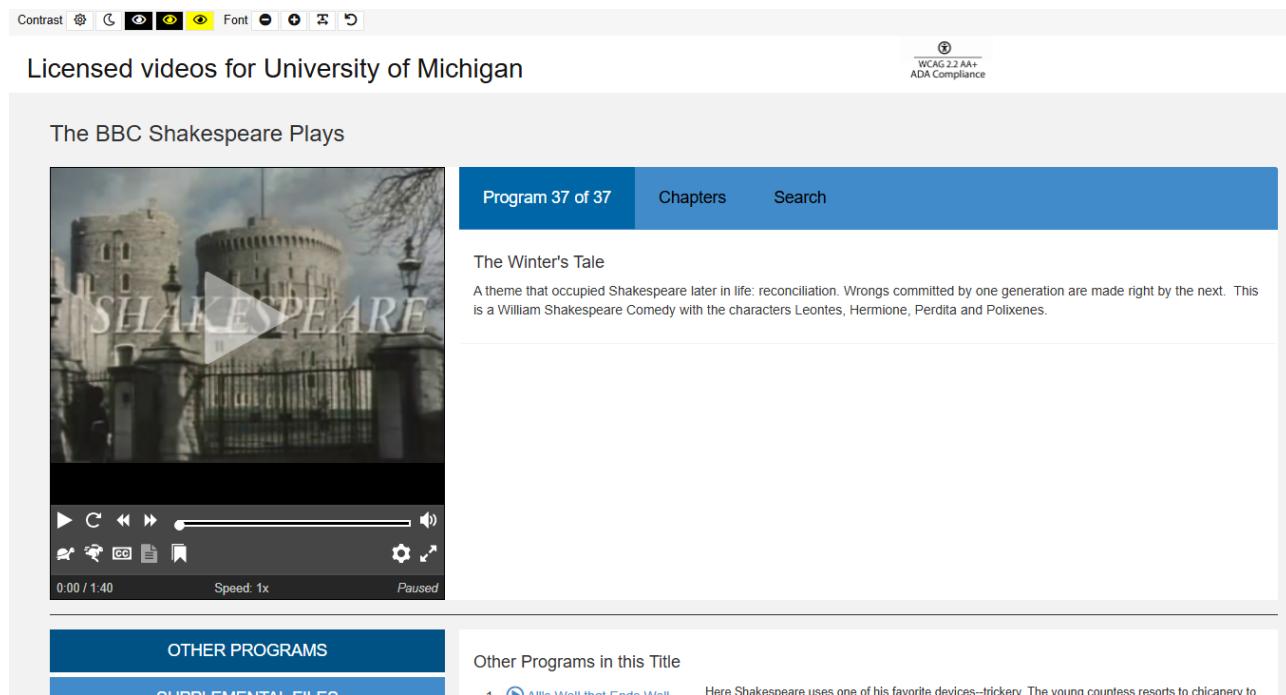
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3. **SC 1.4.10 AA** – On a reflow viewport, the video item(s) element (eg. 'The BBC Shakespeare Plays') is unavailable.
4. **SC 1.4.10 AA** – On a reflow viewport, the input field label does not reflow.
5. **SC 1.3.2 A** – Screen reader users are able to read the 37 programs in 'The BBC Shakespeare Plays' when the section is collapsed.

3. Watch Video

Source: [https://www.ambrosevideo-](https://www.ambrosevideo-com.proxy.lib.umich.edu/index.php?option=com_tpc&view=resource&Itemid=230&id=374135)

com.proxy.lib.umich.edu/index.php?option=com_tpc&view=resource&Itemid=230&id=374135

Test case: After expanding The BBC Shakespeare Plays heading, Select Watch Video.



The screenshot shows a video player interface for 'The BBC Shakespeare Plays'. At the top, there are accessibility settings for contrast, font size, and font style. The main title 'The BBC Shakespeare Plays' is displayed above a thumbnail image of a castle. Below the thumbnail is a play button. The video player interface includes a progress bar showing 0:00 / 1:40, a speed control set to 1x, and a 'Paused' status. To the right of the video player, there is a blue header bar with 'Program 37 of 37', 'Chapters', and 'Search' buttons. Below the video player, there is a section titled 'The Winter's Tale' with a brief description: 'A theme that occupied Shakespeare later in life: reconciliation. Wrongs committed by one generation are made right by the next. This is a William Shakespeare Comedy with the characters Leontes, Hermione, Perdita and Polixenes.' At the bottom, there are two tabs: 'OTHER PROGRAMS' and 'SUPPLEMENTAL FILES'. The 'SUPPLEMENTAL FILES' tab is currently selected, showing a list of other programs in the title, such as 'All's Well that Ends Well' and 'Antony & Cleopatra'. A note next to the list states: 'Here Shakespeare uses one of his favorite devices—trickery. The young countess resorts to chicanery to'.

Automated findings using Axe

1. **SC 1.4.3 AA** – All controls using #FFFFFF text against #428BCA background (eg. SUPPLEMENTAL FILES, CITE THIS PROGRAM, etc.) are low in contrast with a 3.63:1 contrast ratio.
2. **SC 1.4.3 AA** – All controls using #428BCA text against #FFFFFF background (eg. All's Well that Ends Well, Antony & Cleopatra, As You Like It, etc.) are low in contrast with a 3.63:1 contrast ratio.

Additional manual findings using NVDA screen reader

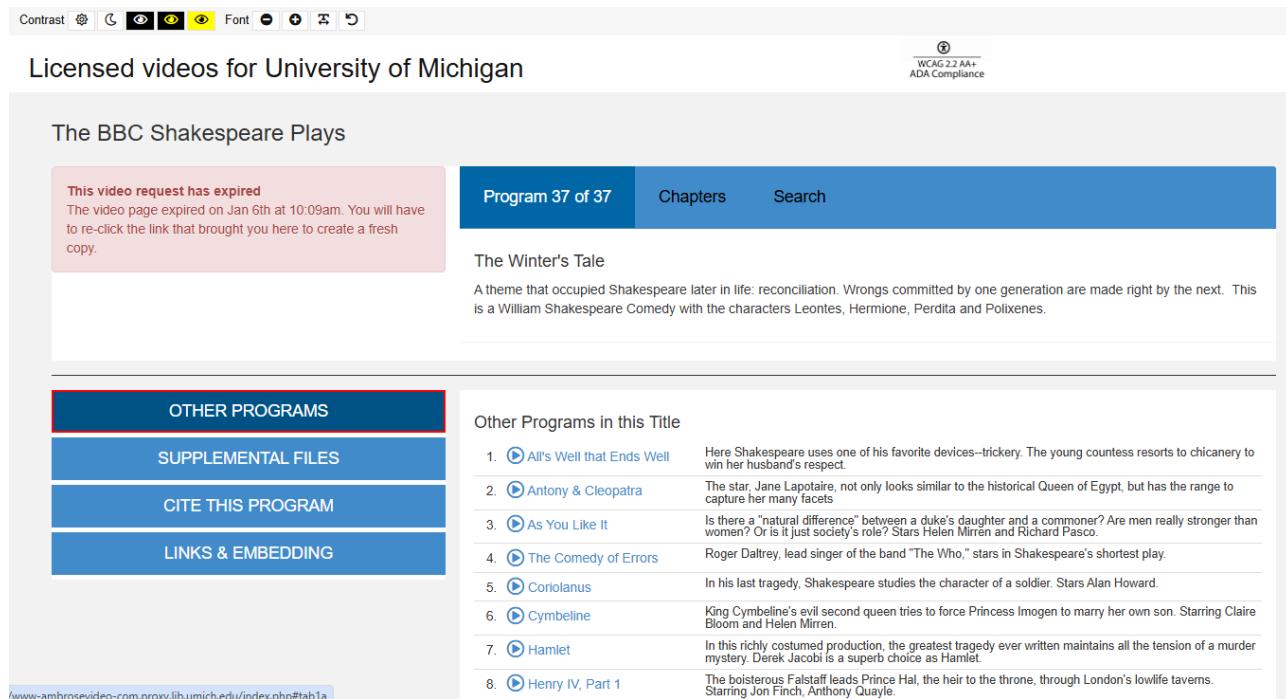
1. **SC 4.1.2 A** – The 'OTHER PROGRAMS' and 'Program 37 of 37' controls are visually presented as being 'current', but this same information is not programmatically indicated.
2. **SC 1.4.1 A** – The 'OTHER PROGRAMS' control uses color alone to visually indicate its 'current' state.
3. **SC 1.4.3 AA** – The controls in 'Other Programs in this Title' eg. "All's Well that Ends Well" are low in contrast when the table row is hovered over with a 3.3:1 contrast ratio.
4. **SC 1.4.11 AA** – The focus indicator for 'Program 37 of 37' is low in contrast with a 1.1:1 contrast ratio.
5. **SC 4.1.2 A** – The 'Program 37 of 37', 'Chapters' and 'Search' functions operate like a tab widget but are missing necessary roles and attributes.
6. **SC 4.1.2 A** – The 'OTHER PROGRAMS', 'SUPPLEMENTAL FILES', 'CITE THIS PROGRAM', 'LINKS & EMBEDDING' controls operate like a tab widget but are missing necessary roles and attributes.
7. **SC 2.4.6 AA** – The 'Hide Transcript' label (when the transcript is shown) reads "Hide Transcript Show Transcript" in its name, which is confusing to the user.

4. Individual Search Result

Source: [https://www.ambrosevideo-](https://www.ambrosevideo-com.proxy.lib.umich.edu/index.php?option=com_tpc&view=resource&Itemid=230&id=370116)

[com.proxy.lib.umich.edu/index.php?option=com_tpc&view=resource&Itemid=230&id=370116](https://www.ambrosevideo-com.proxy.lib.umich.edu/index.php?option=com_tpc&view=resource&Itemid=230&id=370116)

Test case: Test individual search result landing page (The Winter's Tale) & test actual resource (PDF, video, etc.).



The screenshot shows a web page for 'The BBC Shakespeare Plays'. At the top, there are accessibility icons for contrast, font size, and other settings. The main content area is titled 'Licensed videos for University of Michigan' and features a video player for 'The Winter's Tale'. The video player has a message: 'This video request has expired. The video page expired on Jan 6th at 10:09am. You will have to re-click the link that brought you here to create a fresh copy.' Below the video player, the title 'The Winter's Tale' is displayed with a brief description: 'A theme that occupied Shakespeare later in life: reconciliation. Wrongs committed by one generation are made right by the next. This is a William Shakespeare Comedy with the characters Leontes, Hermione, Perdita and Polixenes.' A sidebar on the left contains links: 'OTHER PROGRAMS' (highlighted with a red border), 'SUPPLEMENTAL FILES', 'CITE THIS PROGRAM', and 'LINKS & EMBEDDING'. The 'OTHER PROGRAMS' link is currently active. The 'SUPPLEMENTAL FILES' link is also highlighted with a red border. The 'CITE THIS PROGRAM' and 'LINKS & EMBEDDING' links are in a standard blue color. The 'OTHER PROGRAMS' link has a tooltip: 'Program 37 of 37'. The 'SUPPLEMENTAL FILES' link has a tooltip: 'Chapters'. The 'CITE THIS PROGRAM' and 'LINKS & EMBEDDING' links have a tooltip: 'Search'. The bottom of the sidebar shows the URL: '/www.ambrosevideo-com.proxy.lib.umich.edu/index.php#tab1a'.

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1. **SC 4.1.2 A** – The 'OTHER PROGRAMS' and 'Program 37 of 37' controls are visually presented as being 'current', but this same information is not programmatically indicated.
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