High–level accessibility review – LAA
(East View Global Press Archive Platform)

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East View Global Press Archive Platform

Summary

Top 3 problems for the East View Global Press Archive Platform

This high-level assessment covers limited portions and functionality of the East View Global Press Archive 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. **Labels –** Many controls throughout the site are either missing a programmatic label or are not associated with their visible label, preventing users of Assistive Technology from knowing what the purpose of the affected controls are.
2. **Keyboard –** Wherever canvas techniques are used to implement an interactive control (such as the map widget and the date span widget), the affected controls are not keyboard accessible nor is the information from the controls available for a user of Assistive Technology.
3. **Language of Parts –** Wherever titles or other content exist in a language that is not English, the change in language is not defined in code. As a result, users of Assistive Technology may not encounter the correct pronunciation of the affected non-English content.

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 site-wide issues were found using automated scanning methods.

Additional manual findings using NVDA screen reader

1. **SC 1.1.1 A** – The 'East view – Global Press Archive' linked image is described as just "Eastview", which does not include all the information seen in the image.
2. **SC 1.1.1 A** – The 'East view information services' linked image is described as just "Eastview", which does not include all the information seen in the image.
3. **SC 1.4.11 AA** – When the 'search' button receives focus, the focus indicator is low in contrast.

1. Landing Page

Source: https://gpa-eastview-com.proxy.lib.umich.edu/
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 1.4.1 A** – The 'Stanford Libraries' and 'Hoover Institution Library & Archives' links are only visually distinguished using color (where the color difference between link text and non-link text is less than a 3:1 color contrast ratio) and there is no other visual distinguisher between link text and non-link text within the same body of text.
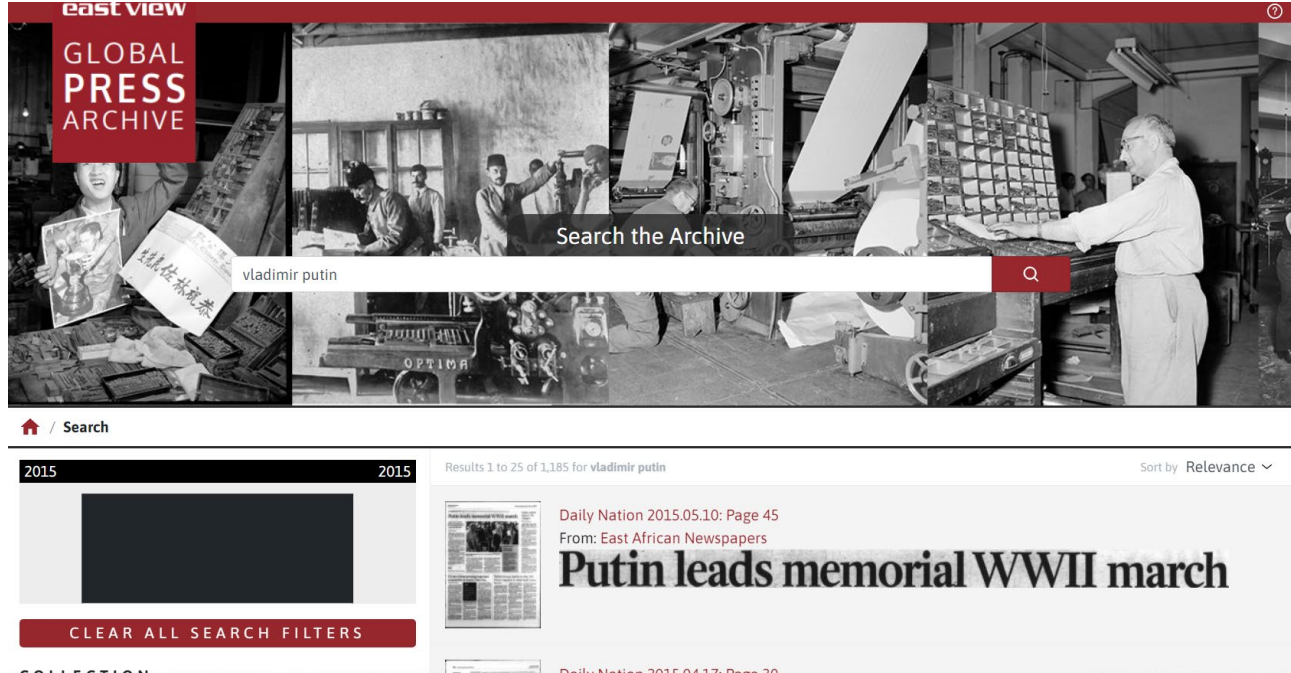
Additional manual findings using NVDA screen reader

1. **SC 2.4.7 AA** – The 'zoom in' and 'zoom out' controls do not receive a visible focus indicator when they receive focus.
2. **SC 2.1.1 A** – The individual map markers are not keyboard operable.
3. **SC 3.1.2 AA** – When a publication title is exposed through the map pop-up, and that publication title is in a different language than the default defined language of the page, there is no programmatic indication of the change in language for that publication title.
4. **SC 2.1.1 A** – The publication date span widget is not keyboard operable.
5. **SC 1.4.13 AA** – When a user hovers over a data point in the publication date span widget, the user cannot move the mouse pointer to the pop-up which illustrates the data point without the pop-up disappearing.
6. **SC 1.3.1 A** – The checkboxes are not programmatically associated with their group label.
7. **SC 4.1.2 A** – The 'More' and 'Less' links are missing an href attribute.

2. Search Results

Source: https://gpa-eastview-com.proxy.lib.umich.edu/?a=q&hs=1&r=1&results=1&txq=vladimir+putin&e= [URL TRUNCATED]

Test case: From the initial landing page, conduct a search for: "vladimir putin". Test search results page, including filters/refine search: limit to English language and date of 2015. Test sort by options.

Automated findings using Axe

1. **SC 1.4.3 AA –** The number of titles that are associated with each filter option (eg. "(1,093)" for 'Post-Perestroika Newspapers') is low in contrast. A contrast ratio of 4:1 was observed where a minimum 4.5:1 is required.
2. **SC 1.4.3 AA –** The number of titles that are associated with a selected filter option (eg. "(1,185)" for 'English') is low in contrast. A contrast ratio of 3.26:1 was observed where a minimum of 4.5:1 is required.
3. **SC 1.4.3 AA –** The number of results (eg. "Results 1 to 25 of 1,185…") and the 'Sort by' label is low in contrast. A contrast ratio of 2.07:1 was observed where a minimum 4.5:1 is required.
4. **SC 1.1.1 A –** All instances of the newspaper snippets that contain the search keyword are missing an alternative description that either describes the image if necessary or identifies the image as decorative.
5. **SC 4.1.2 A –** The linked images for all publication thumbnails is missing an alternative description on the image or a programmatic label that describes the purpose of the individual links.
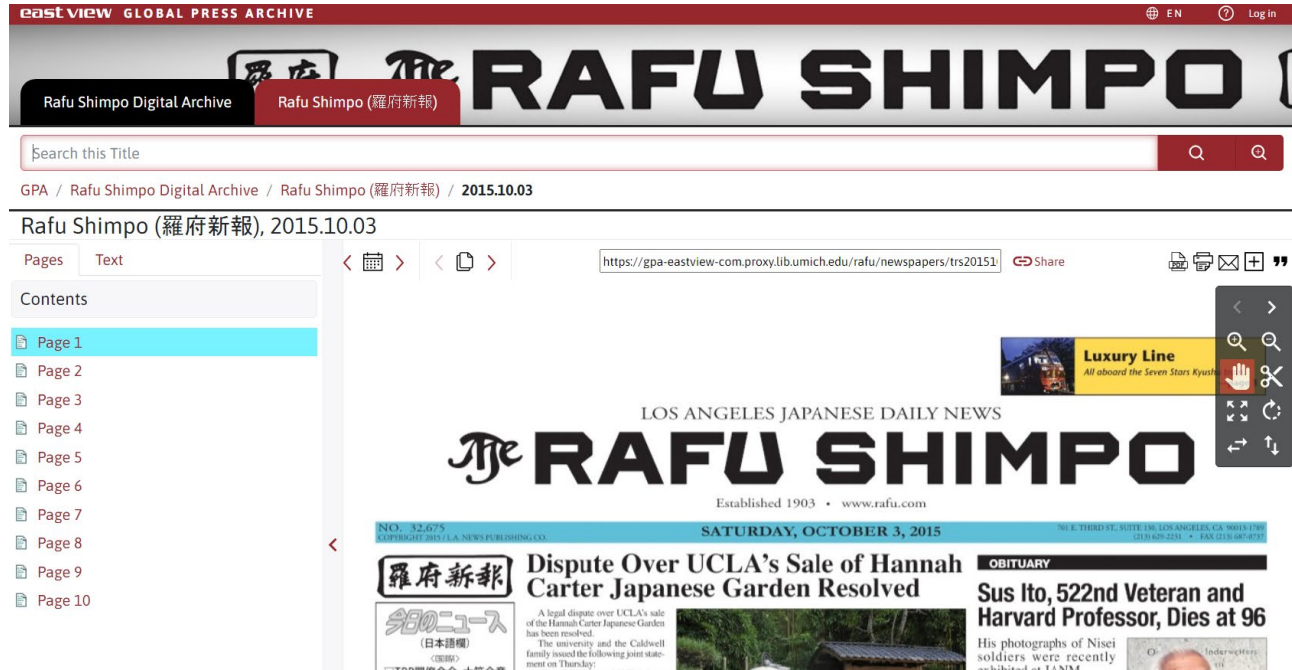
Additional manual findings using NVDA screen reader

1. **SC 2.1.1 A** – The publication date span widget is not keyboard operable.
2. **SC 1.4.13 AA** – When a user hovers over a data point in the publication date span widget, the user cannot move the mouse pointer to the pop-up which illustrates the data point without the pop-up disappearing.
3. **SC 1.4.11 AA** – The focus indicator for 'Sort by', 'pagination items' and 'Back to top' controls is low in contrast.
4. **SC 1.3.1 A** – The checkboxes are not programmatically associated with their group label.
5. **SC 4.1.2 A** – The current page in the pagination is visually distinguished but is not programmatically identified as the current page.

3. Search Item Details

Source: https://gpa-eastview-com.proxy.lib.umich.edu/rafu/newspapers/trs20151003-01.1.1
Test case: Test individual search result landing page, including tabs, icons, reader, and the "Text" tab.

Automated findings using Axe
1. **SC 1.3.1 A** – The 'article Share URL' text field is not associated with its visible label.
2. **SC 1.3.1 A** – A visually hidden text input with the ID 'userclippinghiddeninput' is missing a programmatic label.
3. **SC 4.1.2 A** – The 'Pages', 'Text' and 'Hide info pane' controls are inappropriately nested. Interactive controls must not be nested within other interactive controls
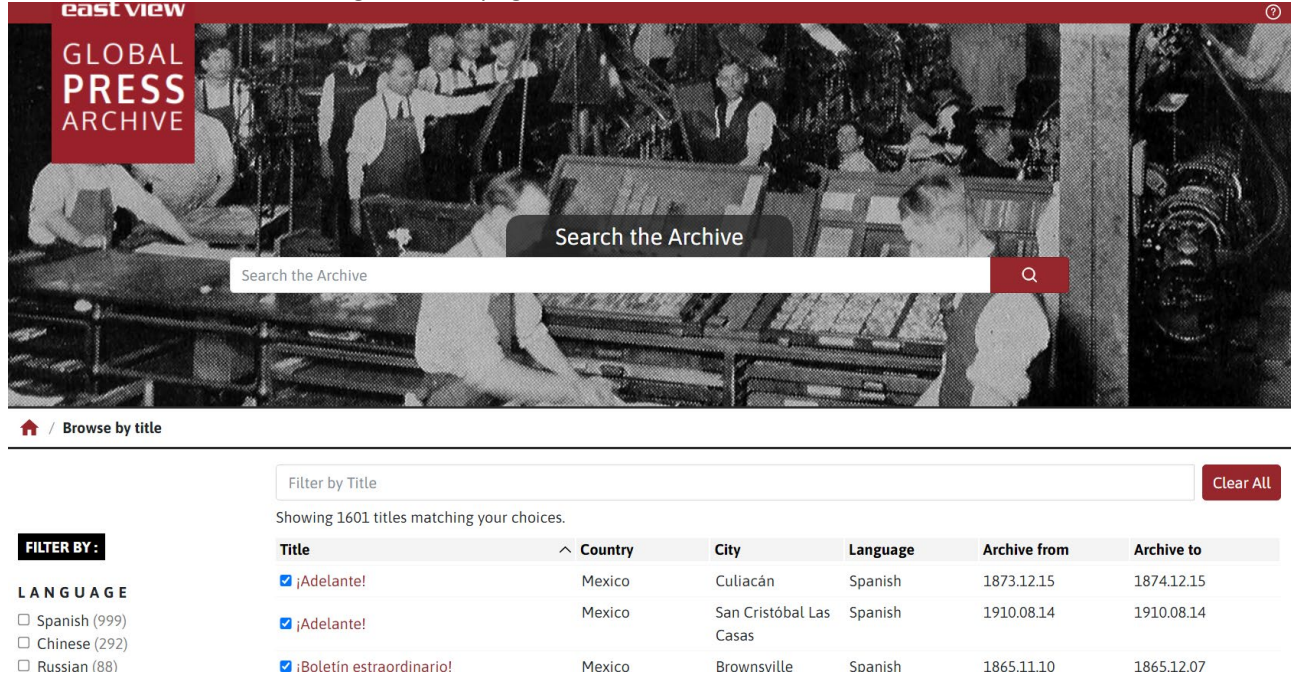
Additional manual findings using NVDA screen reader
1. **SC 1.4.3 AA** – The 'Search this Title' placeholder text is low in contrast. A contrast ratio of 3.32:1 was observed where a minimum ratio of 4.5:1 is required.
2. **SC 1.4.11 AA** – The bright blue color that is used to highlight the 'current page' in the Contents area is low in contrast.
3. **SC 3.1.2 AA** – When page content is in a different language than the default defined language of the page, there is no programmatic indication of the change in language for that content. In some cases, this may result in the content in the different language to not be announced at all.
4. **SC 1.4.11 AA** – The 'previous page' link content is low in contrast. Even though it appears as though the control is meant to be disabled, links do not support being programmatically disabled and the control should probably be a button instead, which can be programmatically disabled and can be low in contrast once they are disabled.
5. **SC 2.4.7 AA** – When the publication preview window receives focus, the focus indicator is not clearly visible.
6. **SC 1.4.11 AA** – When the 'Advanced Search' button receives focus, the focus indicator is low in contrast.
7. **SC 2.5.3 A** – The 'Language menu' control does not contain its visible label in its name.
8. **SC 4.1.2 A** – The currently selected/pressed/current item is not programmatically defined. Affected items include "Pages" tab, "Page 1" in Contents, "Grab tool" in reader tools.

4. Read Online Viewer

Source: https://gpa-eastview-com.proxy.lib.umich.edu/?a=p&p=utitles&e=-------en-25--1--img-txIN----------
Test case: Test GPA title navigation list/page

Automated findings using Axe

1. **SC 1.3.1 A** – The 'Language', 'Country', 'City' and all 'Title' checkboxes are not programmatically associated with their visible labels.
2. **SC 1.4.3 AA** – The number of titles that are associated with each filter option (eg. "(999)" for 'Spanish') is low in contrast. A contrast ratio of 4:1 was observed where a minimum 4.5:1 is required.

Additional manual findings using NVDA screen reader

1. **SC 1.4.3 AA** – The 'Filter by Title' placeholder text is low in contrast. A contrast ratio of 3.32:1 was observed where a minimum ratio of 4.5:1 is required.
2. **SC 3.1.2 AA** – When page content is in a different language than the default defined language of the page, there is no programmatic indication of the change in language for that content. In some cases, this may result in the content in the different language to not be announced at all.
3. **SC 1.3.1 A** – The 'Filter by' checkboxes are not programmatically associated with their group label.
4. **SC 1.3.1 A** – The listing of titles is presented as a data table but is not programmatically coded as a data table.
5. **SC 4.1.2 A** – The current column being sorted along with the sort direction is not properly identified. Currently, the only indication of a sort is an image described as 'arrow'.
6. **SC 4.1.2 A** – The interactive nature of the visual data table acts like a grid widget but it is not coded as a grid widget.