Addressing Accessibility in WebPAC: Using a Web Tool to Identify and Fix Issues

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Addressing Accessibility in WebPAC

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Brief Background

- Ohio Northern University
  - Small private university
  - 2,855 FTE (Fall 2019)
- Two libraries on campus
  - Heterick Memorial Library
  - Taggart Law Library
- Project began as design revamp of libraries' catalog
  - Coincide with ONU website redesign/update
  - Found issues with accessibility while exploring webpage
Accessibility Tools Used

- Guidelines for web accessibility:
  - Web Content Accessibility Guidelines (WCAG) 2.1
  - LibA11y, a guide to making library content accessible
- Tota11y, from Khan University
  - Browser extension that can detect accessibility issues on webpages
- Contrast Checker, from WebAIM
  - Details whether color contrast ratios meet WCAG AA and AAA regulations
Accessibility Project Workflow

1. Use Tota11y to find issues and impacted code
   a. Use Contrast Checker, if applicable

2. Copy information to Google Sheets for tracking
   a. Include recommended solutions and comments

3. Update impacted code in WebPAC
Headings

- Highlights headings (<h1>, <h2>, etc.) and order violations

Contrast

- Labels elements with insufficient contrast

Link text

- Identifies links that may be confusing when read by a screen reader

Labels

- Identifies inputs with missing labels

Image alt-text

- Annotates images without alt text

Landmarks

- Labels all ARIA landmarks

EXPERIMENTAL

Screen Reader Wand

- Hover over elements to view them as a screen reader would

WebPAC PRO © Innovative Interfaces, Inc.
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<th>Call No</th>
<th>Status</th>
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<tbody>
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The great Gatsby

[Place of publication not identified] : Bazmark Film III Pty Ltd., [2013] 2013

Link to Electronic Content

LOCATION CALL NO. STATUS
HILL 2nd Floor - DVDs 791.4372 G7853 2013 AVAILABLE

The great Gatsby


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HILL 2nd Floor - DVDs 791.4372 G7863 1974 AVAILABLE

The great Gatsby


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LOCATION CALL NO. STATUS
HILL 2nd Floor - DVDs 813.52 F55gmc AVAILABLE

The great Gatsby and Fitzgerald's world of ideas

Berman, Ronald

Tuscaloosa : University of Alabama Press, c1997 c1997

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Project Hurdles

- ONU website updated sooner than originally scheduled
- Still gaining familiarity with WebPAC
- Other job responsibilities arose and took priority
Future Goals

- Deep dive into further accessibility testing
- Develop annual routine and guidelines for checking library accessibility
- Continue catalog design revamp
Questions?

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