

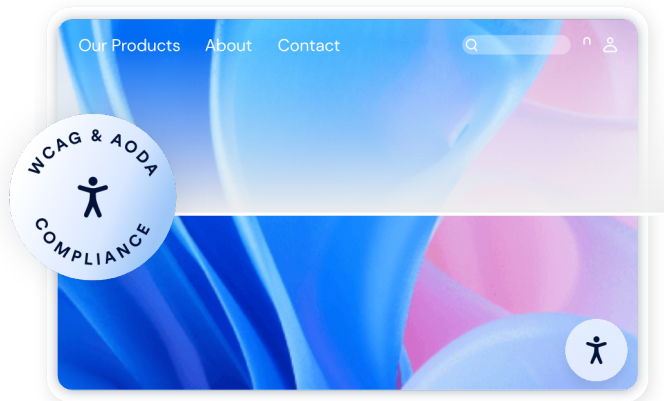
Scan results for **rt2-group4.github.io/UOH-AWA/components/pages/learning-...**

Accessible

Congratulations! Our scan indicates that your webpage is accessible. We're thrilled you chose to be inclusive and comply with legislation.

Mon Jan 13, 2025

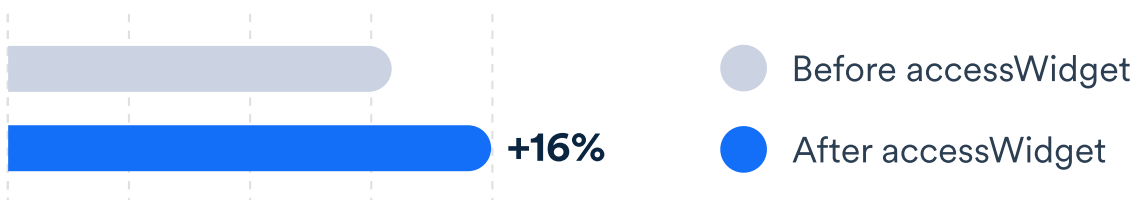
Thank you for making your website accessible and inclusive
for all users with disabilities



Congratulations!

By making your website accessible, you embrace inclusivity and open your business to over 16% of the population.

Website Exposure



| # | Element | Relevant | Successes | Failures | Score |
|---|---|----------|-----------|----------|-------|
| 1 | Elements that act as buttons but use non-button tags (e.g., span, div, a) should include a role="button" attribute. | Yes | 2 | 0 | 100 |

Code snapshots of successful elements

1 `<button type="button" class="language-selector dropdown-toggle" id="menu-bt
n" data-bs-toggle="dropdown" tabindex="0" aria-haspopup="true" aria-expanded
="false" style="padding: 6.4px 12.8px; font-size: 16px;" data-original-paddi
ng="6.4px 12.8px" ><spa...`

2 `<button id="accessibility-toggle" class="btn btn-sm btn-primary" title="Togg
le Accessibility Toolbar" tabindex="0" style="padding: 8px 16px; font-size:
16px;" data-original-padding="8px 16px" > Accessibility Toolkit ...`

| # | Element | Relevant | Successes | Failures | Score |
|---|---|----------|-----------|----------|-------|
| 2 | Buttons should include text explaining their functionality, and if icons are used as buttons, a screen-reader only text or an "aria-label" attribute should be used for that description. | Yes | 2 | 0 | 100 |

Code snapshots of successful elements

1 `<button type="button" class="language-selector dropdown-toggle" id="menu-bt
n" data-bs-toggle="dropdown" tabindex="0" aria-haspopup="true" aria-expanded
="false" style="padding: 6.4px 12.8px; font-size: 16px;" data-original-paddi
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le Accessibility Toolbar" tabindex="0" style="padding: 8px 16px; font-size:
16px;" data-original-padding="8px 16px" > Accessibility Toolkit ...`

| # | Element | Relevant | Successes | Failures | Score |
|---|--|----------|-----------|----------|-------|
| 3 | Links should include text that sets expectations about the page they lead to. If empty links are used as layout wrapping elements, provide a description using screen-reader only text or an "aria-label" attribute. | Yes | 3 | 0 | 100 |

Code snapshots of successful elements

1 ` <h1 class="site-title" role="presentation" style="font-size: 26px;"> AccessibleWebApp</h1> `

2 `Home`

3 ` Study Plan 0 `

| # | Element | Relevant | Successes | Failures | Score |
|---|--|----------|-----------|----------|-------|
| 4 | Links that open in a new tab or a new window should either have an "aria-label" attribute or a screen-reader only element explaining to screen-readers that this opens in a new tab. | No | 0 | 0 | |

| # | Element | Relevant | Successes | Failures | Score |
|---|---|----------|-----------|----------|-------|
| 5 | An H1 heading provides information to screen-reader users about the main topic of the page. Each page should have exactly one H1 heading. | No | 0 | 0 | |

| # | Element | Relevant | Successes | Failures | Score |
|---|--|----------|-----------|----------|-------|
| 6 | HTML heading elements (h1-h6) should contain text content. If they include images or links, those elements must provide alternative text or screen-reader-only text. | Yes | Pass | - | 100 |

| # | Element | Relevant | Successes | Failures | Score |
|---|---|----------|-----------|----------|-------|
| 7 | Elements that visually function as headings but are not coded with a heading tag should include a role="heading" attribute or be updated to use the correct heading tag | No | 0 | 0 | |

| # | Element | Relevant | Successes | Failures | Score |
|---|---|----------|-----------|----------|-------|
| 8 | Heading levels should not be skipped and must follow a consistent hierarchy. For example, you should not use h2 and h4 headings without including an h3 in between. | Yes | Pass | - | 100 |

| # | Element | Relevant | Successes | Failures | Score |
|---|---|----------|-----------|----------|-------|
| 9 | Interactive elements such as links, buttons and form fields should all be navigable using the keyboard by either using a focusable element (a, button, input, etc.) or including the "tabindex" attribute that equals to "0". | Yes | Pass | - | 100 |

| # | Element | Relevant | Successes | Failures | Score |
|----|---|----------|-----------|----------|-------|
| 10 | Interactive elements that can be navigated using the keyboard should be surrounded by a visual outline whenever they are focused. | Yes | Pass | - | 100 |

| # | Element | Relevant | Successes | Failures | Score |
|----|--|----------|-----------|----------|-------|
| 11 | Active popups should include aria-modal="true" and role="dialog" attributes to help screen-reader users navigate them effectively. | No | 0 | 0 | |

| # | Element | Relevant | Successes | Failures | Score |
|----|--|----------|-----------|----------|-------|
| 12 | Each page should include hidden skip links that allow users (via keyboard or screen reader) to bypass certain blocks and navigate directly to main landmarks like the main content, menu, or footer. | Yes | Pass | - | 100 |

Code snapshots of successful elements

- 1

Skip to main content
- 2

Skip to menu
- 3

Skip to accessibility toolbar
- 4

Skip to footer

| # | Element | Relevant | Successes | Failures | Score |
|----|---|----------|-----------|----------|-------|
| 13 | Elements hidden using CSS (e.g., opacity, height, text-indent, off-canvas) should include an "aria-hidden" attribute set to "true" when hidden and dynamically updated to "false" when they become visible. | No | 0 | 0 | |

| # | Element | Relevant | Successes | Failures | Score |
|----|--|----------|-----------|----------|-------|
| 14 | Elements hidden using CSS (e.g., opacity, height, text-indent, off-canvas) should have a tabindex attribute set to less than 0 and be dynamically updated to 0 when they become visible. | No | 0 | 0 | |

| # | Element | Relevant | Successes | Failures | Score |
|----|---|----------|-----------|----------|-------|
| 15 | Menus should be built using the HTML5 "nav" element or include a "role" attribute set to "menu" or "navigation" to indicate a navigation landmark for screen readers. | No | 0 | 0 | |

| # | Element | Relevant | Successes | Failures | Score |
|----|---|----------|-----------|----------|-------|
| 16 | Menu items that have a dropdown should include an aria-haspopup="true" attribute. | No | 0 | 0 | |

| # | Element | Relevant | Successes | Failures | Score |
|----|--|----------|-----------|----------|-------|
| 17 | Menu items that have a dropdown should include an "aria-expanded" attribute set to "false" by default, which changes to "true" when the dropdown is opened, and back to "false" when closed. | No | 0 | 0 | |

| # | Element | Relevant | Successes | Failures | Score |
|----|--|----------|-----------|----------|-------|
| 18 | Images should have an alternative text description that describes both the objects and the embedded text that the image contains, using the "alt" attribute. | No | 0 | 0 | |

| # | Element | Relevant | Successes | Failures | Score |
|----|--|----------|-----------|----------|-------|
| 19 | Background images that are not just for decoration purposes should have the same treatment as standard images. They should include a role="img" attribute and an alternative text description using an "aria-label" attribute. | No | 0 | 0 | |

| # | Element | Relevant | Successes | Failures | Score |
|----|---|----------|-----------|----------|-------|
| 20 | Font icons, SVGs, or images used as spacers, decorations, or when their purpose is already described by other content, should include a role="presentation" or role="none" attribute. | No | 0 | 0 | |

| # | Element | Relevant | Successes | Failures | Score |
|----|--|----------|-----------|----------|-------|
| 21 | Figure elements used to display images should have a role="none" attribute, and the image itself should provide a description using the "alt" attribute. | No | 0 | 0 | |

| # | Element | Relevant | Successes | Failures | Score |
|----|--|----------|-----------|----------|-------|
| 22 | Each "area" element within a map tag should have an "alt" attribute that provides an alternative text description, similar to standard images. | No | 0 | 0 | |

| # | Element | Relevant | Successes | Failures | Score |
|----|--|----------|-----------|----------|-------|
| 23 | Small or hidden tracking pixel images (used for analytics or marketing) should include a role="none" or role="presentation" attribute to exclude them from screen-readers. | No | 0 | 0 | |

| # | Element | Relevant | Successes | Failures | Score |
|----|--|----------|-----------|----------|-------|
| 24 | Form fields should include either an "aria-label" attribute or an associated "label" element to describe the field's purpose (e.g., email, phone, name). | No | 0 | 0 | |

| # | Element | Relevant | Successes | Failures | Score |
|----|--|----------|-----------|----------|-------|
| 25 | Form elements must have unique IDs to ensure that their corresponding labels provide accurate information. | No | 0 | 0 | |

| # | Element | Relevant | Successes | Failures | Score |
|----|---|----------|-----------|----------|-------|
| 26 | Required form fields should include aria-required="true" to inform screen-reader users of the field's validation. | No | 0 | 0 | |

| # | Element | Relevant | Successes | Failures | Score |
|----|---|----------|-----------|----------|-------|
| 27 | The validity status of each form element must be represented using the "aria-invalid" attribute with "true" or "false" values, and should update dynamically as the status changes. | No | 0 | 0 | |

| # | Element | Relevant | Successes | Failures | Score |
|----|--|----------|-----------|----------|-------|
| 28 | aria-describedby and aria-labelledby attributes should reference the ID of an element that either has a text description or an "aria-label" attribute. | No | 0 | 0 | |

| # | Element | Relevant | Successes | Failures | Score |
|----|--|----------|-----------|----------|-------|
| 29 | All forms should include a submission button built as an input type="submit" or a "button" element, or have a role="button" attribute. The button can be hidden if the form supports submission via the Enter key. | No | 0 | 0 | |

| # | Element | Relevant | Successes | Failures | Score |
|----|--|----------|-----------|----------|-------|
| 30 | Search forms should include a role="search" attribute or be wrapped in an element with this role to indicate a search landmark for screen-readers. | No | 0 | 0 | |

| # | Element | Relevant | Successes | Failures | Score |
|----|---|----------|-----------|----------|-------|
| 31 | The title tag in the head section should be present and describe the current webpage accurately. This title appears in the browser tab, search engine results, and helps screen-reader users understand the page's content. | Yes | Pass | - | 100 |

Code snapshots of successful elements

```
1 <title>AccessibleWebApp - Topics</title>
```

| # | Element | Relevant | Successes | Failures | Score |
|----|---|----------|-----------|----------|-------|
| 32 | The HTML tag should include a "lang" attribute representing the main language of the webpage to help screen-readers provide accurate pronunciation. | Yes | Pass | - | 100 |

Code snapshots of successful elements

```
1 <html lang="en"><head> <meta charset="UTF-8"> <meta name="viewport" content="width=device-width, initial-scale=1.0"> <title>AccessibleWebApp - Topics</title> <!-- Bootstrap CSS --> <link href="https://cdn.jsdelivr.net/npm/boots tra...
```

| # | Element | Relevant | Successes | Failures | Score |
|----|--|----------|-----------|----------|-------|
| 33 | The viewport meta tag should enable vision-impaired users to pinch-zoom to at least twice the standard size by including user-scalable="yes" and maximum-scale=2 (or higher) in the content attribute. | Yes | Pass | - | 100 |

Code snapshots of successful elements

```
1 <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

| # | Element | Relevant | Successes | Failures | Score |
|----|--|----------|-----------|----------|-------|
| 34 | Landmarks like main content and footer should use their corresponding HTML5 elements (<main>, <footer>) or include an "aria-label" and "role" attribute (e.g., role="main" or role="contentinfo"). Landmarks like search and navigation are covered elsewhere. | Yes | 3 | 0 | 100 |

Code snapshots of successful elements

1

<main id="main-content" class="container my-5"> <div id="learning-activities"><p role="alert" style="font-size: 16px;">undefined</p></div> </main>

2

<footer id="footer" class="bg-light text-center text-muted py-3"> <div class="container"> <p style="font-size: 16px;">© 2025 AccessibleWebApp Team | University Project</p> </div> </footer>

| # | Element | Relevant | Successes | Failures | Score |
|----|--|----------|-----------|----------|-------|
| 35 | Font sizes should be at least 11px to ensure readability across most font families. This requirement should also be verified when using dynamic units like REM or percentages. | Yes | Pass | - | 100 |

| # | Element | Relevant | Successes | Failures | Score |
|----|---|----------|-----------|----------|-------|
| 36 | Letter spacing should not be set below -1px to maintain readability across most font families. This should also be verified when using dynamic units like REM or percentages. | Yes | Pass | - | 100 |

| # | Element | Relevant | Successes | Failures | Score |
|----|---|----------|-----------|----------|-------|
| 37 | Text elements should meet a minimum contrast ratio of 4.5:1 between the foreground (text color) and the background. | Yes | 3 | 5 | 38 |

Code snapshots of successful elements

- 1

<button id="accessibility-toggle" class="btn btn-sm btn-primary" title="Toggle Accessibility Toolbar" tabindex="0" style="padding: 8px 16px; font-size: 16px;" data-original-padding="8px 16px" > Accessibility Toolkit ...
- 2

<p role="alert" style="font-size: 16px;">undefined</p>
- 3

<p style="font-size: 16px;">© 2025 AccessibleWebApp Team | University Project</p>

Code snapshots of failed elements

- 1

<h1 class="site-title" role="presentation" style="font-size: 26px;">AccessibleWebApp</h1>
- 2

Home
- 3

 Study Plan 0
- 4

0
- 5

<button type="button" class="language-selector dropdown-toggle" id="menu-button" data-bs-toggle="dropdown" tabindex="0" aria-haspopup="true" aria-expanded="false" style="padding: 6.4px 12.8px; font-size: 16px;" data-original-padding="6.4px 12.8px" ><spa...

| # | Element | Relevant | Successes | Failures | Score |
|----|---|----------|-----------|----------|-------|
| 38 | Carousels should include an "aria-label" attribute (e.g., carousel or slider) to indicate their functionality. They should also be marked as a landmark for screen-readers with a role="contentinfo" attribute. | No | 0 | 0 | |

| # | Element | Relevant | Successes | Failures | Score |
|----|---|----------|-----------|----------|-------|
| 39 | Control elements such as next and previous icons should include an "aria-label" attribute or a screen-reader only text that explains the functionality to screen-readers. | No | 0 | 0 | |

| # | Element | Relevant | Successes | Failures | Score |
|----|---|----------|-----------|----------|-------|
| 40 | A common accessibility mistake is treating carousels as live regions using the "aria-live attribute" with "polite" or "assertive" values. This can cause screen readers to cut off or skip important announcements. | No | 0 | 0 | |

| # | Element | Relevant | Successes | Failures | Score |
|----|---|----------|-----------|----------|-------|
| 41 | Carousel pagination items (usually used as small dots at the bottom of the carousel) should indicate their functionality and slide number they control using an "aria-label" and a screen-reader only text. | No | 0 | 0 | |

| # | Element | Relevant | Successes | Failures | Score |
|----|---|----------|-----------|----------|-------|
| 42 | Tables used for layout purposes should include a role="presentation" attribute to indicate to screen-readers that it is not a data table. | No | 0 | 0 | |

| # | Element | Relevant | Successes | Failures | Score |
|----|--|----------|-----------|----------|-------|
| 43 | If nested tables are used (a table element within a table cell), set the nested tables "role" attribute to "presentation". | No | 0 | 0 | |

| # | Element | Relevant | Successes | Failures | Score |
|----|--|----------|-----------|----------|-------|
| 44 | Tables without a thead row containing th elements should use the role="rowheader" attribute on td elements in the tr that visually represent the table headings. | No | 0 | 0 | |

| # | Element | Relevant | Successes | Failures | Score |
|----|---|----------|-----------|----------|-------|
| 45 | Visually deleted texts (e.g., a previous price on sale items) should include an "aria-label" attribute or a screen-reader only text to indicate that it is deleted. | No | 0 | 0 | |

| # | Element | Relevant | Successes | Failures | Score |
|----|---|----------|-----------|----------|-------|
| 46 | The main element of breadcrumbs should include a role="navigation" attribute and an "aria-label" to describe its functionality. | No | 0 | 0 | |

| # | Element | Relevant | Successes | Failures | Score |
|----|---|----------|-----------|----------|-------|
| 47 | Ratings/scores that are represented visually using stars, meters or other indicators should either have an "aria-label" attribute or a screen-reader only texts conveying the score/rate. | No | 0 | 0 | |

| # | Element | Relevant | Successes | Failures | Score |
|----|--|----------|-----------|----------|-------|
| 48 | An accessibility interface allows visually-impaired users to adjust UI elements like font size, colors, and spacing to suit their needs. While not a compliance requirement, it can help improve accessibility compliance. | No | 0 | 0 | |

| # | Element | Relevant | Successes | Failures | Score |
|----|--|----------|-----------|----------|-------|
| 49 | Iframe elements should include a "title" or "aria-label" attribute that explains their purpose, functionality, or destination. If irrelevant, they should be hidden from screen readers. | No | 0 | 0 | |

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