Website [DEMO]
Accessibility Report

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Introduction

This document lists accessibility improvements that need to be made to [the product] to be confidently WCAG 2.0/2.1 AA compliant.

The testing of [the product] and the results of testing have been split into numerous sections in this document. Each 'page' has been broken down into 'components' - i.e. related groups of controls/functionality.

The contents of this report are illustrative only. The number and type of issues raised, and the complexity of accessibility testing differs for each individual website/application.

Accessibility reporting includes testing with screen readers (NVDA & JAWS), keyboard-only input, and knowledgeable manual testing bespoke to your application.

Contents

1. Definitions

- **SR:** Screen Reader

2. Severity rating

To help prioritise issue resolution a severity rating has been applied to each proposed bug/change. To confidently comply with WCAG AA standards it is recommended to fix/implement *all* issues raised in this report. Due to the subjective nature of certain accessibility requirements, some minor issues could be argued as 'optional'.

Severe: Actively prevents or obstruct access to sections of the site. Severely degraded user experience and inconvenience for some users.

Major: Could prevent some users from accessing sections of the site or page content. Majorly degraded user experience and inconvenience for some users.

Average: Could make it difficult for some users to access sections of the site or page content. Will degrade some user experience.

Minor: Not likely to actively prevent user access to sections of the site or page content, but could affect some user ability to use the page.

3. General (site-wide)

1) '.page-main' element should be <main> rather than <div> **(Minor)**
2) Zooming and scaling must not be disabled on mobile devices (meta[name="viewport"]) – see https://www.w3.org/WAI/WCAG21/Understanding/resize-text.html **(Average)**

3.1. Skip links

1) Insufficient colour contrast between skip links text colour and background colour - ratio: 2.69:1 (minimum required: 4.5:1) **(Average)**

3.2. 'Back to top' link

1) Focus is not reset to start of main page content. Use case:
   a. User focuses on 'Back to top' button with keyboard
   b. User presses 'enter/space' to activate button
   c. Users viewport is scrolled to the top of the main page content area
   d. User presses 'tab' to focus on next element
   e. Focus is provided to next focusable element appearing after the 'Back to top' button in DOM **(Average)**
   f. *Focus should be moved back to the first focusable element present in main page content area.*

3.3. Form validation

NB: This section affects the following pages:

- Product Listing
- Contact page
- Log in screen
- Register

1) Input field validation messages are not associated with their respective input field – SR users are unaware that there has been a validation prompt **(Major)**. When a validation message is displayed for a field we need to:
   a. Apply aria-invalid="true" to the input element for which there is an error
   b. Apply aria-describedby="[*id of the error message element*]" to the input element for which there is an error
2) Required input fields are not defined to SR users. There is nothing differentiating required input fields and optional input fields to SR users **(Major)**. An asterisk is present in the input field's associated label, but we need to apply more context:
   a. Add 'required' attribute to required input elements
   b. (Optional) Add <p> tag to start of form with text: 'Fields marked with * are mandatory' or similar (also helpful for sighted users).

3.4. Modals

1) '.modal' element should have:
   a. role="dialog"
   b. aria-labelledby="[*id of main heading inside modal window*]"
   c. aria-modal="true" **(Average)**
2) Focus should be trapped inside the modal window until the user closes the modal window **(Major)**:
   a. When a user tabs past the last focusable item in the modal, focus should return to the first focusable element in the modal
   a. When a user back-tabs from the first focusable item in the modal, focus should be applied to the last focusable element in the modal
3) Inconsistent modal 'close' behaviour: User should be able to press 'Esc' key to close the modal window. This works on other modal '[Modal name]' but for landing page, user must press 'Esc' twice before modal window closes **(Minor)**.

3.5. Navigation bar

1) '.navbar' should be <nav> element not <div> **(Minor)**
2) '.navbar__list' should have role="menubar" **(Minor)**
3) '.navbar__list-item' s should have role="none" **(Minor)**
4) Parent navigation bar links should have role="menuitem" **(Minor)**
5) If parent navigation bar link has submenu: **(Minor)**
   a. aria-haspopup="true"
   b. aria-expanded="false" when submenu is collapsed
   c. aria-expanded="true" when submenu is open
6) Submenus should have role="menu" and an aria label matching the visible text of their associated parent link **(Minor)**
7) Submenu <li> should have role="none" **(Minor)**
8) Submenu links should have role="menuitem" **(Minor)**
9) When user back-tabs from a navigation link without a submenu to a navigation link with a submenu, focus is applied to the last focusable element in the submenu list rather than the submenu's parent navigation link. **(Average)**

Mobile viewports:

1) Hamburger button should have:
   a. aria-controls="[*id of sidebar wrapper*]" **(Minor)**
   b. aria-haspopup="menu" **(Minor)**
   c. aria-expanded="false" when menu is closed **(Minor)**
   d. aria-expanded="true" when menu is open **(Minor)**
2) Sidebar navigation should have:
   a. aria-hidden="true" when closed **(Minor)**
   b. aria-hidden="false" when open **(Minor)**
3) When user moves focus from last sidebar element, focus is applied to the next focusable element on the page outside of the sidebar area. When this happens the sidebar menu remains open. The sidebar should close when focus is moved away from the last sidebar menu element **(Average)**.
4) When the sidebar navigation menu is closed, the user can still tab and focus on all child elements in the collapsed sidebar area. This should not be possible unless the sidebar is open **(Major)**.

3.6. Footer

1) Change '.footer' container from <div> to <footer> element **(Minor)**
2) should be given role="menubar" **(Minor)**
3) s should be given role="none" **(Minor)**
4) <a>s should be given role="menuitem" **(Minor)**
5) Copyright text should be contained in a <small> element rather than a <p> **(Minor)**
6) Remove 'title' attribute from footer links - not all screen readers read these, and if they do, the title attribute is a duplication of the visible link text and is therefore useless **(Average)**

4. Search results page

4.1. Search results filter

1) Add role="search" to <form> wrapper **(Minor)**
2) Remove unnecessary aria-hidden="true" attributes from input labels **(Average)**.

4.2. Mobile viewport sidebar

1) Show/hide button <a class='show-hide'> element should:
    a. Be changed to a <button> element or given role='button' **(Minor)**
    b. aria-controls="'[*id of collapsible content container*]" **(Minor)**
    c. aria-haspopup="menu" **(Minor)**
    d. aria-expanded="false" when menu is closed **(Minor)**
    e. aria-expanded="true" when menu is open **(Minor)**
2) Sidebar menu should have:
    a. aria-hidden="true" when closed **(Minor)**
    b. aria-hidden="false" when open **(Minor)**
3) When user moves focus from last sidebar element, focus is applied to the next focusable element on the page outside of the sidebar area. When this happens the sidebar menu remains open, this should close when focus is moved away from the last sidebar menu element **(Major)**.

4) When the sidebar navigation menu is closed, the user can still tab and focus on all child elements in the collapsed sidebar area. This should not be possible unless the sidebar is open **(Major)**.

4.3. Sidebar filters

1) <a class='filter'> should:
    a. Have role="button" **(Minor)**
    b. aria-expanded="false" when submenu closed **(Minor)**
    c. aria-expanded="true" when submenu open **(Minor)**
    d. aria-controls="id of submenu " **(Minor)**
2) <ul class='filter__list'> should have:
    a. aria-hidden="true" when closed **(Minor)**
    b. aria-hidden="false" when open **(Minor)**
    c. aria-labelledby="[*id of trigger button*]" **(Minor)**

4.4. Map

1) Google maps plugin buttons (external code): '*Toggle full screen view*', '*Zoom in*' and '*Zoom out*' buttons do not provide descriptive text for image icons. Provide descriptive text or alternatively hide these elements from SRs using aria-hidden. **(Major)**
2) Google maps plugin buttons (external code): Assistive text has been duplicated by providing both an aria-label and title attribute with identical text. **(Average)**

Mobile viewports:

1) 'Hide map' <a> element should:
    a. Be changed to a <button> element or given role='button' **(Minor)**
    b. aria-controls="[*id of map container*]" **(Minor)**
    c. aria-expanded="false" when map is closed **(Minor)**
    d. aria-expanded="true" when map is open **(Minor)**
2) Map container should have:
    a. aria-hidden="true" when closed **(Minor)**
    b. aria-hidden="false" when open **(Minor)**

4.5. Tabs

1) '.tabs' should use <nav> instead of <div> and have an appropriate aria-label attribute. **(Minor)**
2) should have role="menubar" **(Minor)**
3) s should have role="none" **(Minor)**
4) <a>s should have role="menuitem" **(Minor)**

4.6. Results toolbar

1) Toolbar links use title attributes to provide additional descriptive text for each option – this provides insufficient coverage for SRs. Remove title attribute and provide more context with a hidden <span> inside the <a> containing further information, e.g. '*Reorder results*'. **(Average)**

4.7. Pagination

1) '.pagination' <div> should be a <nav> with aria-label="Results pagination". **(Minor)**
2) '<Previous' and 'Next>' link text should not include text-based chevrons for visual style. These are read out by the screen reader as 'less than' and 'greater than'. Please apply these with CSS/background images instead. **(Minor)**
3) Pagination items should be wrapped in a <ul role="menubar"> element, with each item contained in an <li role="none">, and <a> elements have role="menuitem". **(Minor)**

5. Information page

5.1. Alerts

1) '.alert' <div> should have:
   a. role="alert" **(Minor)**
   b. aria-atomic="true" **(Minor)**

2) H4 level heading is used for alert heading - should be H2 - check all locations to see if heading level is appropriate. **(Average)**

5.2. Gallery

1) Title attribute for <a class='image'> should be removed - as the image is a child of the anchor its alt tag will be read as the focusable link text. Having a title attribute matching the image alt text is unnecessary and overly-verbose. **(Average)**

2) '.gallery-modal' container should have:
    a. aria-modal="true" **(Minor)**
    b. role="dialog" **(Minor)**

3) '.gallery-modal__close' close button has title attribute containing descriptive text - this is not supported by all SRs - would be best to have hidden <span> containing button text inside the button element and remove title attribute. **(Average)**

4) Using typed text 'X' for visual close button icon - SR announces the word '*times*' - this does not accurately convey button purpose. **(Average)**

5) 'Previous/next' buttons title attribute contains descriptive text - this is not supported by all SRs - would be best to have button text as actual button text which is hidden. **(Average)**

6) 'Previous/next' buttons do not provide sufficient context to button purpose - would recommend adding hidden assistive text 'image' or 'gallery image' for both. **(Average)**

5.3. Sharing buttons

1) Social media links should not open in new tabs - remove target="_blank" **(Minor)**

2) Social media links provide unhelpful title text attributes - please remove. If we wish to provide additional descriptive text for these, add a hidden span inside the link child text. **(Average)**

6. Log in page

1) 'Register' link is insufficiently contrasting to its background: ratio 3.64:1 (minimum required 4.5:1) **(Average)**

7. Sign up page

7.1. Introduction text

1) Link elements have insufficient colour contrast - 3.64:1 (Expected 4.5:1) **(Average)**

8. Account page

1) '.show-hide' show/hide trigger should:
   a. Be a <button> element OR an <a> with role="button" rather than <p> **(Minor)**
   b. aria-expanded="false" when associated content is hidden **(Minor)**
   c. aria-expanded="true" when associated content is visible **(Minor)**
   d. aria-controls="[*id of content container*]" **(Minor)**
2) Content container should:
   a. aria-labelledby="[*id of show/hide button*]" **(Minor)**
   b. aria-hidden="true" when content is not visible **(Minor)**
   c. aria-hidden="false" when content is visible **(Minor)**