Merry's Way – Accessibility Audit Report (axe DevTools Automated Testing for WCAG 2.1 Compliance)

This audit report documents the accessibility testing performed on the Merry's Way Coffee Shop web application using axe DevTools. axe DevTools is an automated accessibility testing tool that evaluates UI components against WCAG 2.1 AA standards. The report includes all identified issues, explanations of their impact, and detailed descriptions of how each issue was fixed. Pages with no issues are also clearly documented.

Admin Edit Order – Bug 1

Issue Identified: Button inside the Edit Order modal lacked discernible text (WCAG 2.1 AA failure). Screen readers could not interpret its purpose.

How It Was Fixed: Added aria-label attribute + ensured visible button text to provide a clear accessible name.
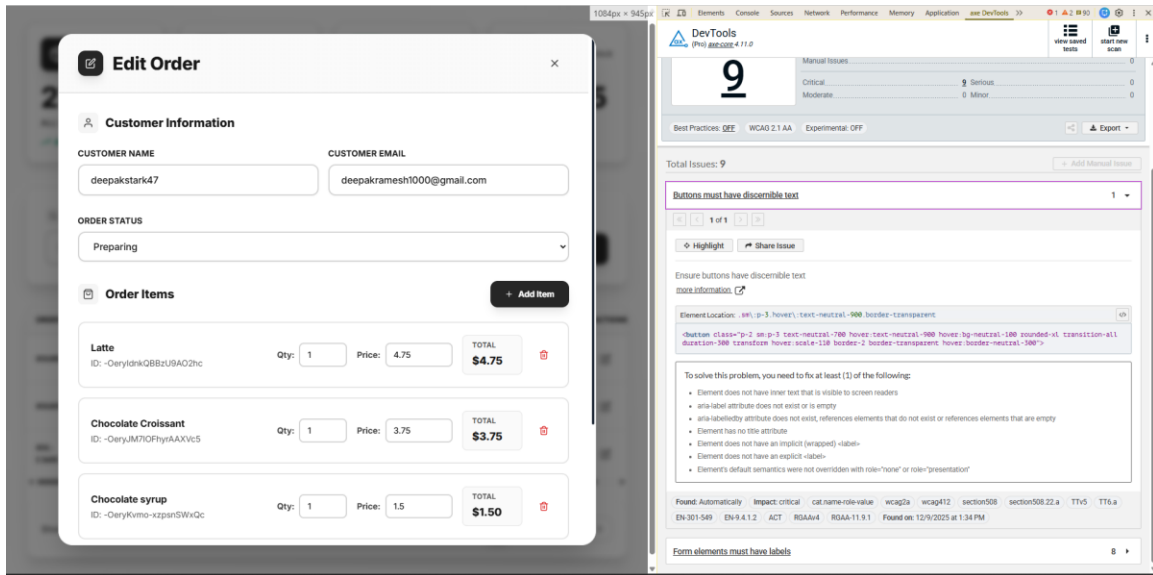

Figure: Admin Edit Order – Bug 1

Admin Edit Order – Bug 1 Fixed

Issue Identified: No bug – this is the post-fix verification screenshot.

How It Was Fixed: Fix confirmed. Button now has a valid accessible name and passes axe DevTools scan.
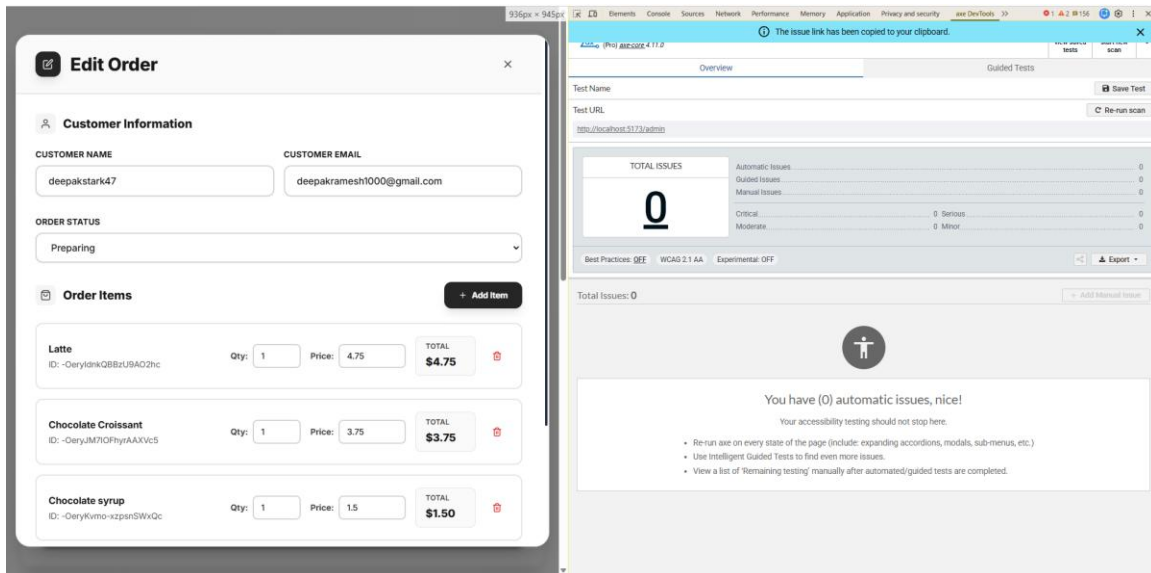
Figure: Admin Edit Order – Bug 1 Fixed

Admin Module – Bug 1

Issue Identified: Dropdown/select element had no accessible name or label.

How It Was Fixed: Added an explicit <label> element tied to the select box using for/id attributes.

Figure: Admin Module – Bug 1

Admin Module – Bug 2

Issue Identified: Clickable icon did not expose its purpose to assistive technologies.

How It Was Fixed: Added role='button' + aria-label describing the action.

Figure: Admin Module – Bug 2

Admin Module – Bug 3

Issue Identified: Button component rendered without accessible text (empty innerText).

How It Was Fixed: Provided visible text + aria-label fallback.

Figure: Admin Module – Bug 3

Admin Module – Bug 4

Issue Identified: Form control missing explicit label association.

How It Was Fixed: Associated <input> with its <label> and ensured programmatic name is detectable.

Figure: Admin Module – Bug 4

Admin Module – Bug Fixed

Issue Identified: No bug – this screenshot shows the fixed module.

How It Was Fixed: All accessibility violations resolved. axe DevTools reports zero issues.
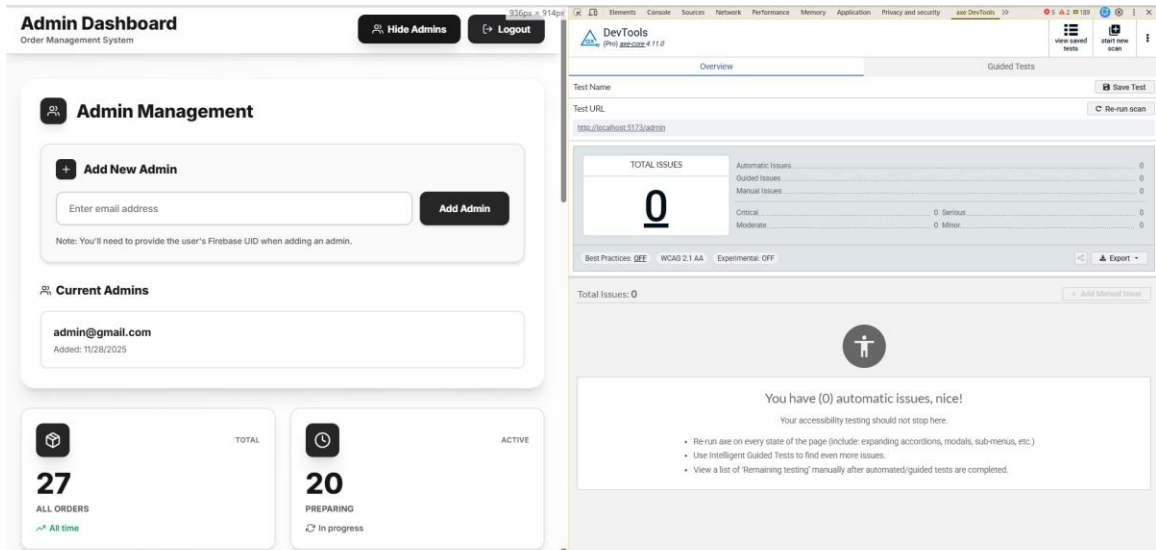
Figure: Admin Module – Bug Fixed

Chatbot Module – axe Bug

Issue Identified: Button at the bottom corner ('send' action) had no discernible text.

How It Was Fixed: Added aria-label='Send message' and ensured icon has a readable accessible name.
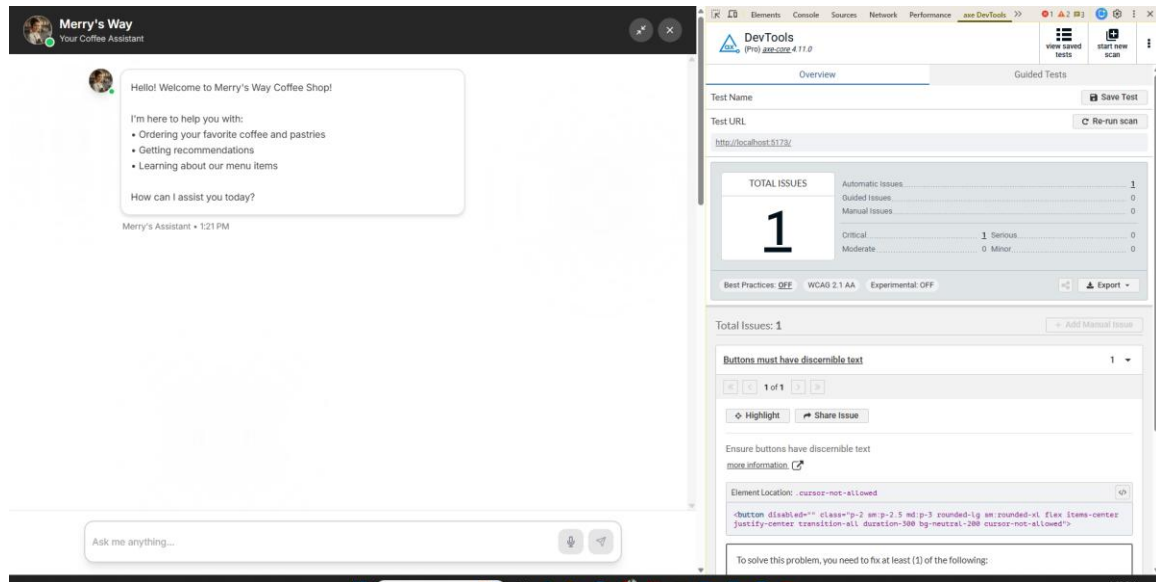
Figure: Chatbot Module – axe Bug

Chatbot Module – axe Bug Fixed

Issue Identified: No bug – this confirms the chatbot UI now meets accessibility expectations.

How It Was Fixed: Fix verified: the send button now exposes a readable accessible name.
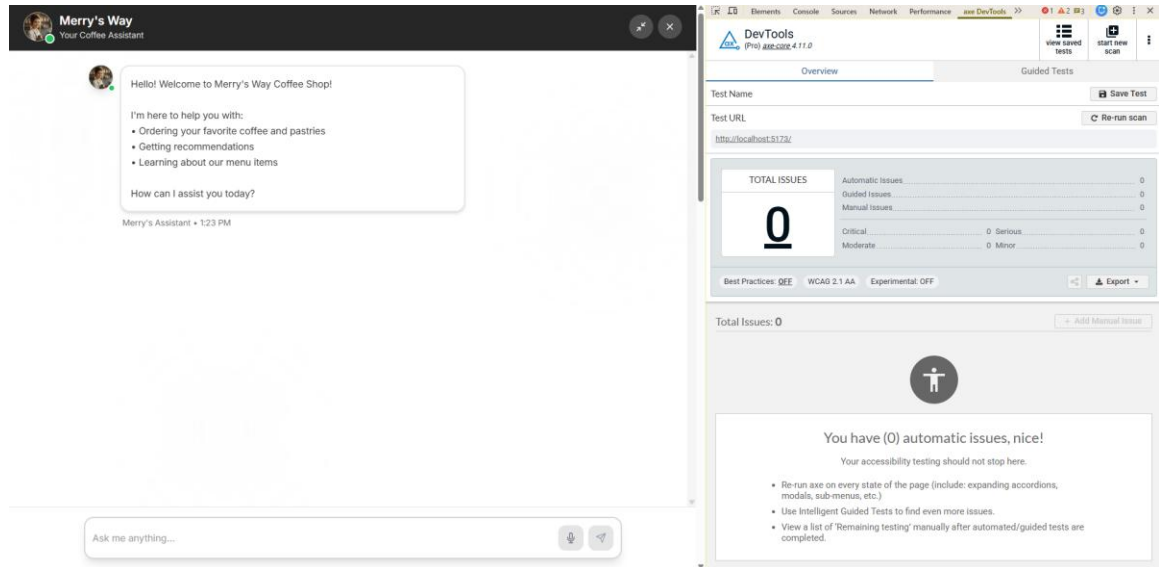
Figure: Chatbot Module – axe Bug Fixed

Forgot Password Module

Issue Identified: No accessibility issues found for this page during automated testing.

How It Was Fixed: No action required.

Figure: Forgot Password Module

Login Module

Issue Identified: No accessibility issues found.

How It Was Fixed: Login form correctly exposes labels, roles, and accessible names.

Figure: Login Module

Order History Module

Issue Identified: No accessibility issues detected.

How It Was Fixed: All text content, buttons, and navigation elements pass automated checks.

Figure: Order History Module

Payment Module – axe Bug

Issue Identified: Scrollable payment modal region lacked keyboard accessibility. Users could not scroll using keyboard alone.

How It Was Fixed: Added tabindex='0' and ensured container supports keyboard focus + scroll events.

Figure: Payment Module – axe Bug

Payment Module – axe Bug Fixed

Issue Identified: No bug – fixed version.

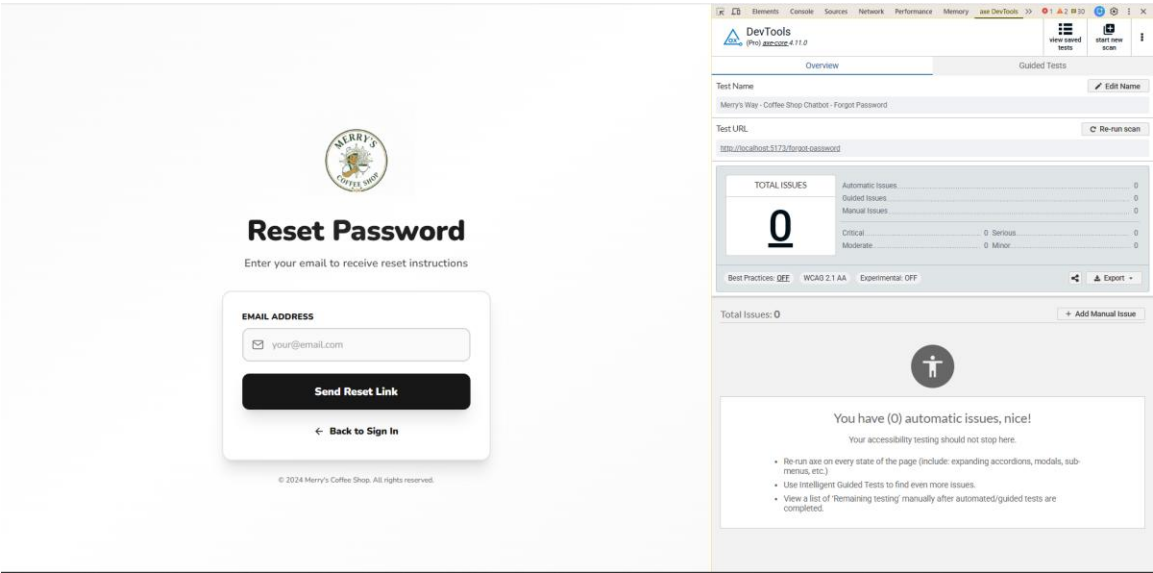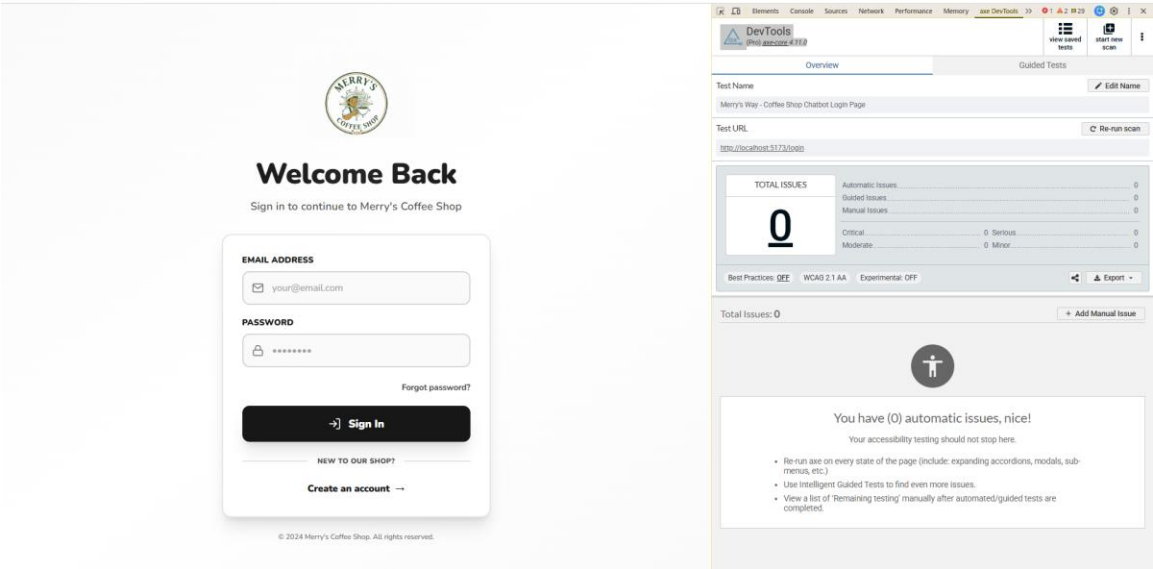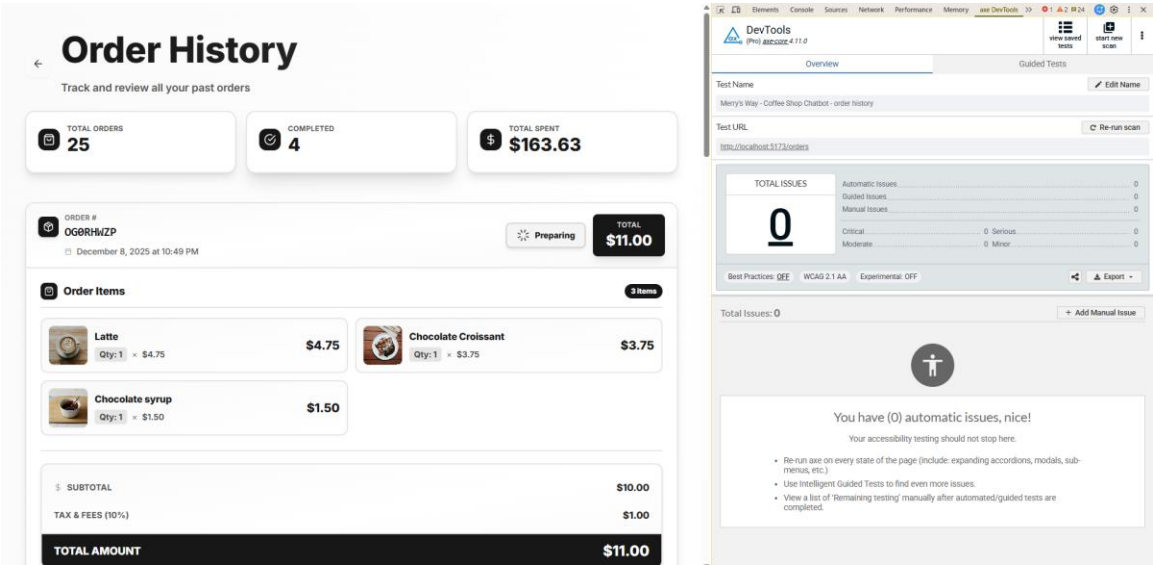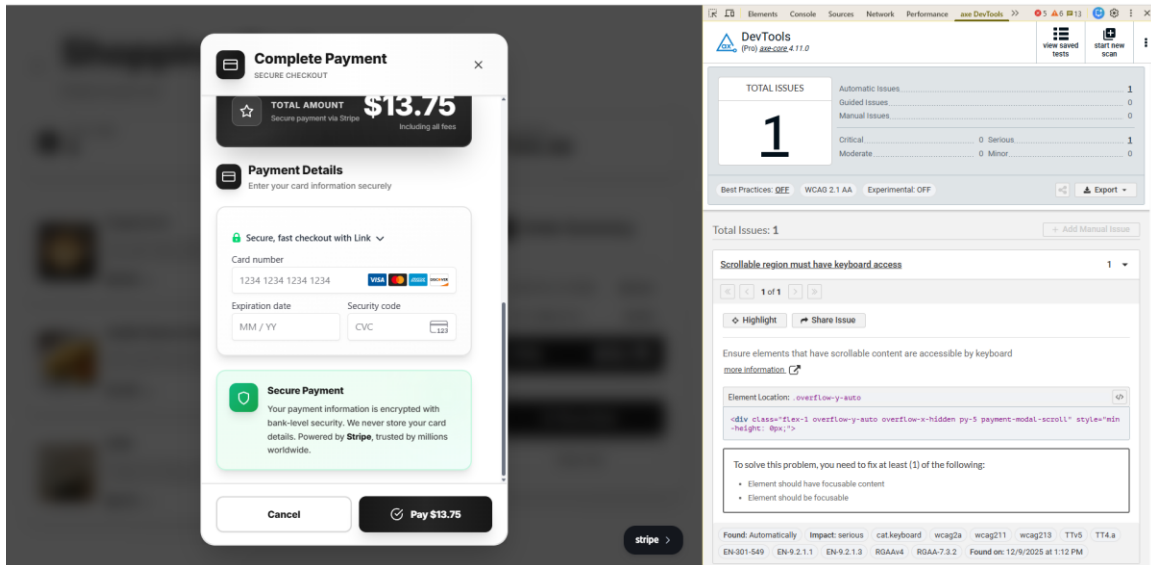**How It Was Fixed:** axe DevTools confirms scrollable region now fully keyboard accessible.
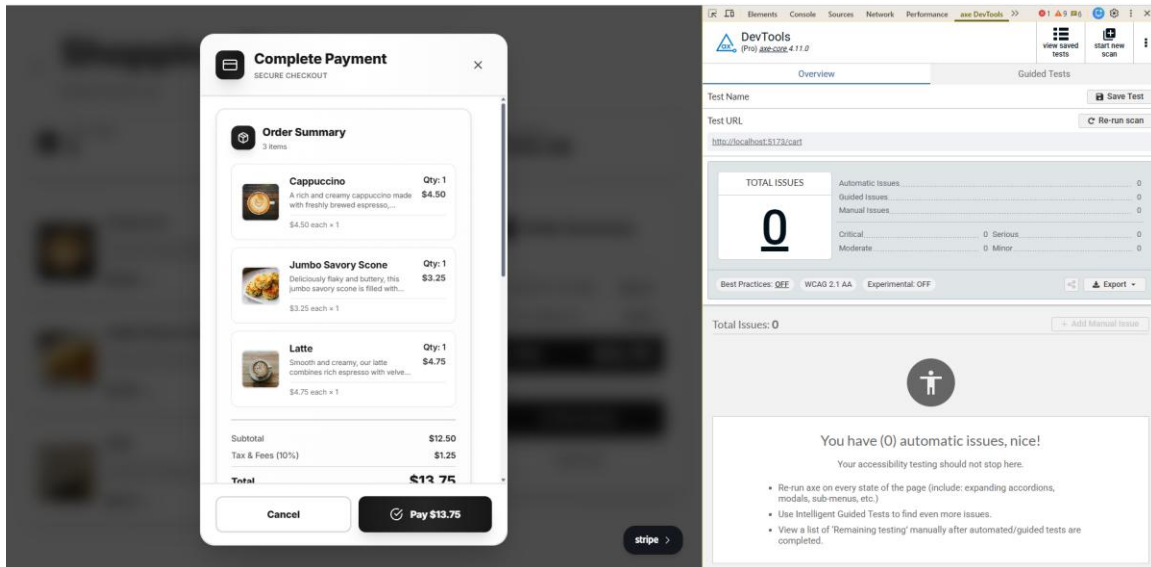

Figure: Payment Module – axe Bug Fixed

Profile Module

Issue Identified: No accessibility issues detected.

How It Was Fixed: Profile module complies with WCAG 2.1 AA for automated checks.
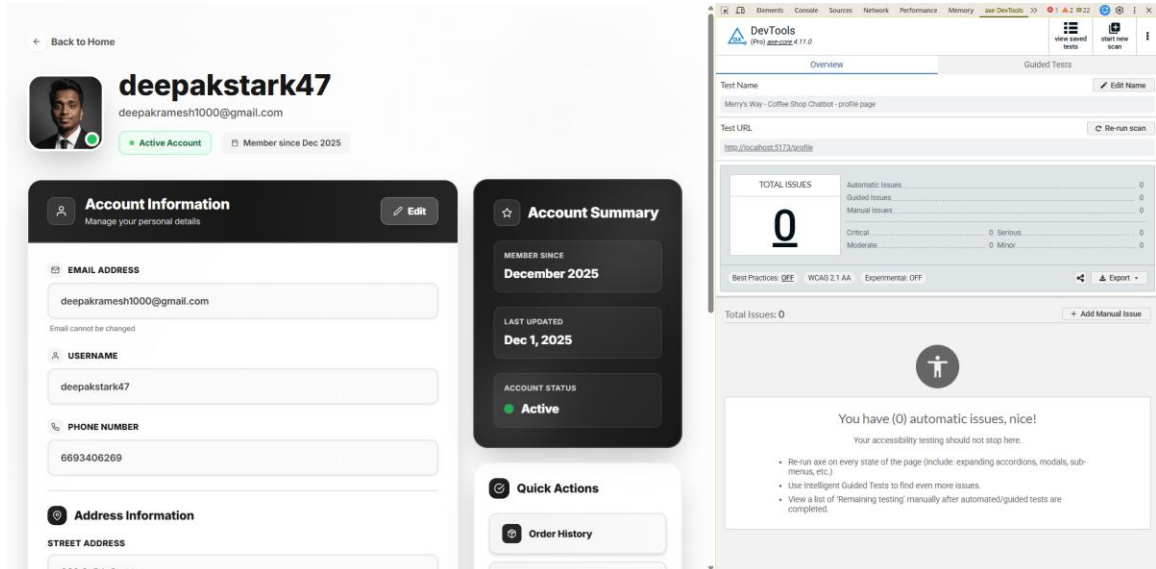

Figure: Profile Module

Shopping Cart Module

Issue Identified: No accessibility issues detected.

How It Was Fixed: Cart UI components expose labels and roles correctly.
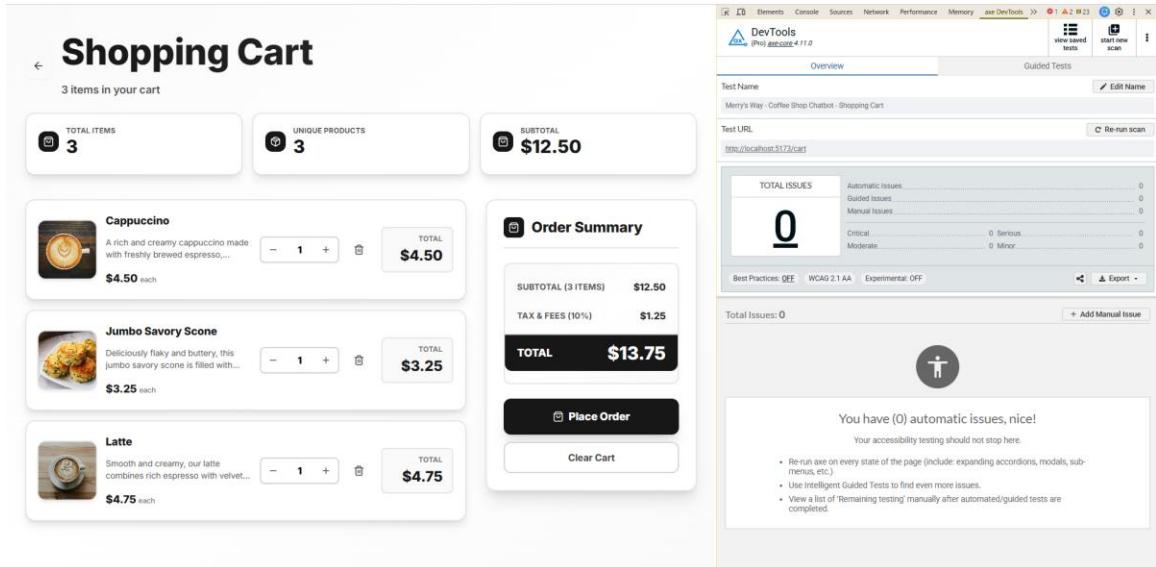

Figure: Shopping Cart Module

Signup Module

Issue Identified: No accessibility issues detected.

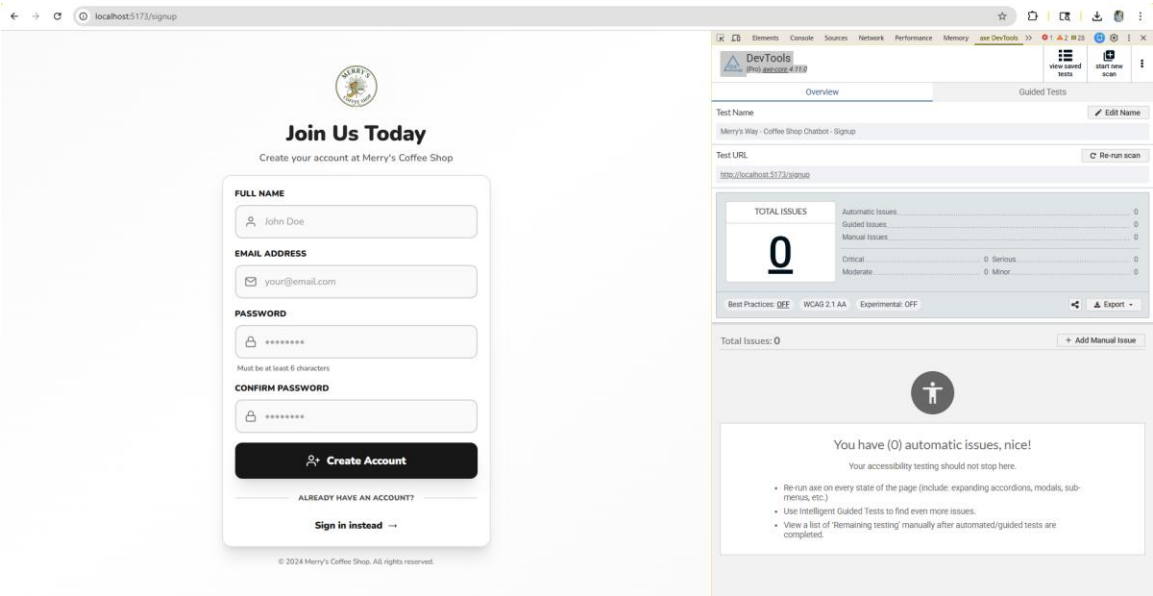**How It Was Fixed:** Form inputs have proper labels and aria attributes.

Figure: Signup Module

Wishlist Module

Issue Identified: No accessibility issues detected.

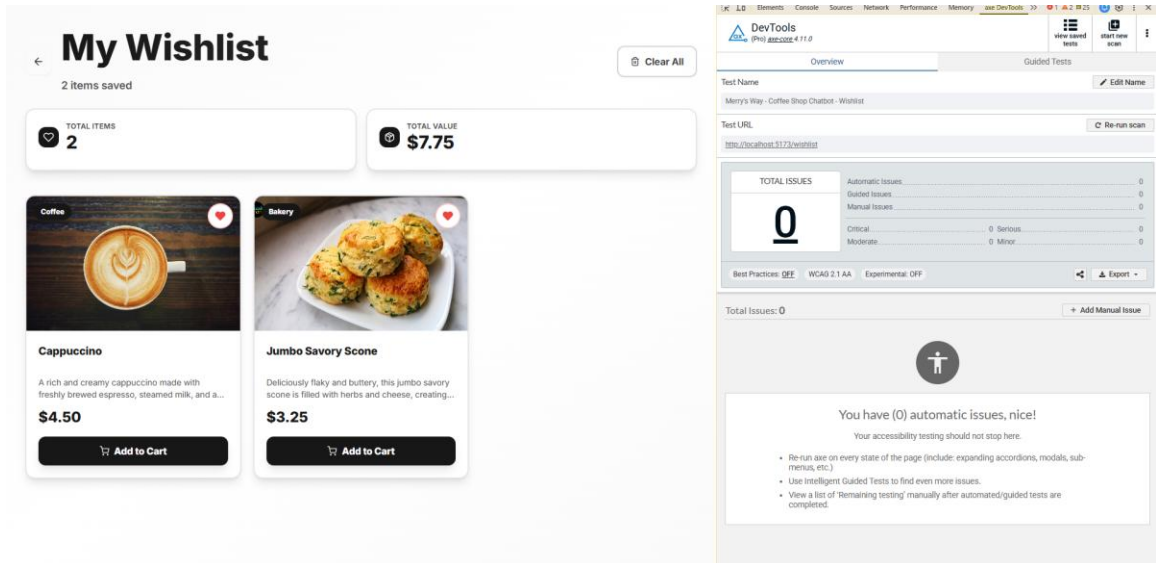**How It Was Fixed:** Wishlist cards, buttons, and icons passed automated audit.

Figure: Wishlist Module