

AI-Assisted Accessibility Findings Report

SAMPLE — Business Casual coffee-shop template · Start Bootstrap “Business Casual” v7.0.9
(4 pages) · 2026-10-21 · Tested against selected WCAG 2.2 Level A/AA criteria

Sample report. This demonstration was produced by our standard process on a real, widely used open-source website template (Start Bootstrap “Business Casual” v7.0.9, MIT license), served locally exactly as published. It is not a client engagement. The café name, address and phone number are the template's placeholder content.

How this report was made. This report was prepared with AI assistance: automated testing tools plus review by an AI model (Claude). No human accessibility specialist reviewed it. It covers only the pages and checks listed, is not a complete WCAG conformance evaluation or a certification, is not legal advice, and does not protect against legal claims.

Summary

Automated tests found that every link can be reached with the Tab key in a logical order with a visible focus indicator, but also found one piece of text that is almost invisible (today's opening hours), a heading that is cut off on small phones, and missing page structure for screen readers.

AI review found problems automated rules cannot detect: every photo is described to screen readers as “...”, all four pages share one title, and the main button links nowhere. Automated rules passed all of these, which is why both kinds of checks are used.

All suggested fixes were applied to a copy of the site and the automated tests were re-run: afterwards all four pages had no automated rule failures and passed the 320-pixel reflow test (see “Fix verification”). This re-test checks the automated findings; it cannot confirm the AI-review findings are fully resolved.

4

pages tested (desktop + phone)

5

findings from automated tests

4

findings from AI review

3

high-priority findings

Suggested order of work

1. Replace the “...” image descriptions with the alt text suggested in finding 6 (about 15 minutes).
2. Change the two colours in findings 1 and 3 (one CSS edit each, about 10 minutes).
3. Add the heading-size rule in finding 2 so headings fit on small phones (5 minutes).
4. Give each page its own title, add a <main> region, a skip link and a page-specific top heading (findings 7, 4 and 5, about 30 minutes in the page templates).
5. Tidy up the two low-priority items (findings 8 and 9) the next time the pages are edited.

Findings

A. Findings from automated tests

Detected by deterministic tools: axe-core rules, or our scripted tests (keyboard walk, 320-pixel reflow, measured colour contrast). The explanations and suggested fixes were written by AI.

1 Today's opening hours are nearly invisible (contrast 1.65:1)

Priority

High

WCAG

1.4.3 Contrast
(Minimum) (AA)

1.3.1 Info and
Relationships (A) —
advisory

Where

Store page — the
highlighted row in the
opening-hours list
(changes daily)

Detected by

axe-core color-contrast
rule; the screen-reader
point was added by AI
review

Effort

Small — one CSS value, two lines of JavaScript

What's wrong. The row for the current day is styled amber #e6a756 on a cream #f6e1c5 panel. That is a contrast ratio of 1.65:1; WCAG requires 4.5:1 for text this size. Ironically, the one row the design wants people to notice is the hardest to read. Screen-reader users also get no indication of which row is today, because the cue is purely visual.

Who it affects. Visitors with low vision or color-vision deficiency, anyone reading a phone outdoors, and screen-reader users.

Suggested fix. Darken the highlight to #8a5410 (4.91:1 — passes, and stays in the brand palette), and add hidden text plus aria-current so the cue is announced:

```
/* css/styles.css */
.list-hours .list-hours-item.today {
  font-weight: bold;
  color: #8a5410;          /* was #e6a756 (1.65:1) → 4.91:1 */
}

// js/scripts.js – replace the classList.add line
const today = listHoursArray[new Date().getDay()];
today.classList.add('today');
today.setAttribute('aria-current', 'date');
today.insertAdjacentHTML('afterbegin', '<span class="visually-hidden">Today: </span>');
```

Sunday	Closed
Monday	7:00 AM to 8:00 PM
Tuesday	7:00 AM to 8:00 PM
Wednesday	7:00 AM to 8:00 PM
Thursday	7:00 AM to 8:00 PM
Friday	7:00 AM to 8:00 PM
Saturday	9:00 AM to 5:00 PM

Store page: the current day (here Wednesday) is the least legible row.

2 Product heading is cut off on small phones

Priority

High

WCAG

1.4.10 Reflow (AA)

Where

Products page — “Bulk Speciality Blends” and “Coffees & Teas” headings

Detected by

Scripted reflow test at 320 px width (equivalent to 400% zoom on desktop)

Effort

Small — one CSS rule

What's wrong. At 320 px wide the page is 368 px wide, so the word “SPECIALITY” runs off the right edge and the visitor must scroll sideways to read it. People who zoom in to read get the same result on desktop.

Who it affects. People with low vision who zoom in; owners of small phones.

Suggested fix. Let long words wrap and scale the large decorative heading down on narrow screens:

```
/* css/styles.css */
.section-heading .section-heading-lower { overflow-wrap: anywhere; }
@media (max-width: 400px) {
  .section-heading .section-heading-lower { font-size: 2.25rem; }
}
```



Products page at 320 px: panels run past the right edge of the screen.

3 Theme link color fails contrast on every cream panel

Priority

Medium

WCAG

1.4.3 Contrast
(Minimum) (AA)

Where

Site-wide stylesheet —
affects any link placed
inside a cream (.bg-
faded) panel

Detected by

axe-core color-contrast
rule, during the
automated fix re-test

Effort

Small — one CSS rule

What's wrong. The theme's link color is the same amber #e6a756, which is 1.64:1 on the cream panels. The template ships with no links inside those panels, so nothing fails today — but the first time the owner links the phone number, an email address or a menu PDF, that link will be unreadable. The automated re-test caught this when our own suggested phone-number link (finding 8) inherited the colour.

Who it affects. Same as finding 1, for any future link in page content.

Suggested fix. Set a readable link color inside the panels (buttons keep their own colors):

```
/* css/styles.css */
.bg-faded a:not(.btn) { color: #8a5410; } /* 4.91:1 on #f6e1c5 */
```

4 No main content region and no way to skip the menu

Priority

Medium

WCAG

2.4.1 Bypass Blocks
(A)
1.3.1 Info and
Relationships (A) —
advisory

Where

All 4 pages

Detected by

axe-core rules
landmark-one-main
and region

Effort

Small — template edit

What's wrong. Pages have a header, a navigation bar and a footer, but the actual content is not inside a <main> element and there is no “skip to content” link. Screen-reader and keyboard users have no quick way to jump past the menu to the content. (The menu is only four links, so the practical impact is modest, which is why this is Medium rather than High.)

Who it affects. Keyboard and screen-reader users.

Suggested fix. Wrap everything between the navigation and the footer in `<main id="main">`, and add a skip link as the first item in the body. Bootstrap's `visually-hidden-focusable` class keeps it invisible until a keyboard user tabs to it.

```
<body>
  <a class="visually-hidden-focusable" href="#main">Skip to main content</a>
  <header>...</header>
  <nav ...>...</nav>
  <main id="main">
    ...page sections...
  </main>
  <footer ...>...</footer>
```

5 Page heading is the site name, and disappears on mobile

Priority

Medium

WCAG

1.3.1 Info and Relationships (A)
2.4.6 Headings and Labels (AA)

Where

All 4 pages

Detected by

axe-core rule page-has-heading-one (phone layout); heading outline reviewed by AI

Effort

Small — template edit, no visual change

What's wrong. The only level-1 heading on every page is the site name ("A Free Bootstrap Business Theme / Business Casual"), and it is hidden below 992 px, so on phones pages have no top-level heading at all. Screen-reader users commonly jump to the first heading to find out what a page is about; here they get the same site name on every page, or nothing.

Who it affects. Screen-reader users, especially on mobile.

Suggested fix. Turn the site-name banner into a non-heading element (keep its look with Bootstrap's `h1` class) and promote each page's first section heading to `<h1>`. The CSS targets classes, so the visual design does not change.

```
<!-- header: keep the look, drop the heading role -->
<p class="site-heading text-center text-faded d-none d-lg-block h1">...</p>

<!-- first section heading on each page -->
<h1 class="section-heading mb-5">
  <span class="section-heading-upper">Come On In</span>
  <span class="section-heading-lower">We're Open</span>
</h1>
```

B. Findings from AI review

Identified by an AI model (Claude) reviewing the page code, screenshots and images. No human accessibility specialist confirmed them. AI review can miss issues or misjudge them, so treat these as evidence-backed suggestions and check them before relying on them.

6 Every photo is described as “...” to screen-reader users

Priority

High

WCAG

1.1.1 Non-text Content
(A)

Where

All 4 pages — 5
different photos

Detected by

AI review of each
image against its alt
text (automated rules
pass because an alt
attribute is present)

Effort

Small — text edits only

What's wrong. Each `<img>` has `alt="..."`. A screen reader announces “dot dot dot, image” or skips it, so blind visitors miss the photos that sell the café: the barista, the interior, the drinks and the bakery.

Who it affects. People who use screen readers; also search engines, which use alt text to understand images.

Suggested fix. Replace each placeholder with a short description of what the photo shows. Suggested text, written by AI after viewing each photo (the owner should check it matches their intent):

```

index.html      assets/img/intro.jpg
  alt="Smiling barista in a mustard beanie working the espresso machine behind our
counter"
about.html, store.html  assets/img/about.jpg
  alt="Overhead view of our café: customers at the coffee bar and in leather armchairs
by tall windows"
products.html  assets/img/products-01.jpg
  alt="Eight cups of coffee drinks, from espresso to latte, arranged in a circle on a
wooden table"
products.html  assets/img/products-02.jpg
  alt="A fresh butter croissant served on a small wooden tray"
products.html  assets/img/products-03.jpg
  alt="Stacked burlap sacks of green coffee beans"

```

7 All four pages have the same title

Priority

Medium

WCAG

2.4.2 Page Titled (A)

Where

All 4 pages

Detected by

AI review of page titles

Effort

Small

What's wrong. Every page is titled "Business Casual - Start Bootstrap Theme". The title is the first thing a screen reader announces and the label on every browser tab and search result, so visitors cannot tell pages apart.

Who it affects. Screen-reader users, people with many tabs open, and search visibility.

Suggested fix. Use a unique, descriptive title on each page, most specific part first:

```

<title>Home | Business Casual Coffee</title>
<title>About Us | Business Casual Coffee</title>
<title>Coffee, Tea & Bakery Products | Business Casual Coffee</title>
<title>Hours & Location | Business Casual Coffee</title>

```

8 Phone number is not tappable

Priority

Low

WCAG

Best practice
(usability; supports
2.5.x on mobile)

Where

Store page

Detected by

AI review

Effort

Small

What's wrong. The phone number is plain text. On a phone, visitors (including people with motor impairments, for whom copying text is hard) have to retype it.

Who it affects. Mobile visitors; people with motor or cognitive impairments.

Suggested fix. Make it a tel: link. Apply finding 3 at the same time so the link is readable.

```
<a href="tel:+13175858468">(317) 585-8468</a>
```

9 "Visit Us Today!" button goes nowhere

Priority

Low

WCAG

Best practice
(functional defect;
relates to 2.4.4 Link
Purpose)

Where

Home page

Detected by

AI review of link
targets

Effort

Small

What's wrong. The main call-to-action links to #!, so activating it does nothing. Screen-reader users hear "link, Visit Us Today!" and then nothing happens, which is confusing for everyone.

Who it affects. All visitors; most confusing for screen-reader users who cannot see that the page didn't change.

Suggested fix. Point it at the hours-and-location page:

```
<a class="btn btn-primary btn-xl" href="store.html">Visit Us Today!</a>
```

Checks not performed

These are outside what this report covers. A full WCAG conformance evaluation would include them.

- Testing by people with disabilities, or with real screen readers (NVDA, JAWS, VoiceOver, TalkBack), voice control or switch devices.
- Review by a human accessibility specialist.
- Reading order, announcements and behaviour as experienced in a screen reader (we inspect code and the accessibility tree only).
- Zoom to 200% text-only resizing, text-spacing overrides (WCAG 1.4.12), and Windows high-contrast/forced-colours mode.
- Form submission, error messages and timeouts (these pages have no forms; on client sites we do not submit live forms).
- Captions, transcripts and audio description for video or audio (none present here).
- Cognitive and plain-language review, and consistency across the rest of the site (only the pages listed were tested).
- PDFs, documents, third-party widgets and embeds, pages behind a login, and checkout pages hosted by third parties.
- Many WCAG 2.2 success criteria require human judgement and were checked only partially or not at all; this is not a full conformance evaluation.

Checks with no issues found

"No issues found" means the check listed did not find a problem on the pages tested; it is not a guarantee.

- **[Automated]** Page language is declared (`lang="en"`) on every page.
- **[Automated]** Every link and button was reached by a scripted Tab-key walk, 4–5 tab stops per page, with no keyboard trap detected.
- **[Automated]** A focus indicator style (outline or focus ring) was present on every tab stop. Whether it is clearly visible against each background was checked by AI review of screenshots, not by a person.
- **[Automated]** The mobile menu button has an accessible name ("Toggle navigation") and an aria-expanded state (axe-core rules).
- **[Automated]** Text over the coffee-bean background image: contrast measured from screenshot pixels against the lightest 5% of the background behind the text — site tagline 5.1:1, site name 8.3:1, navigation links 8.5:1 (minimums 4.5:1, or 3:1 for large text).
- **[Automated]** No auto-playing audio or video elements were found in the page code.

- **[Automated]** Home, About and Store pages reflow without sideways scrolling at 320 px.
- **[AI review]** No carousels, moving content or time limits were seen in the page code or screenshots.

Fix verification (automated re-test)

We applied every fix in this report to a copy of the site and re-ran the full test suite (axe-core on desktop and mobile, keyboard walk, 320 px reflow) on all four pages.

Result: **0 automated rule failures** on all four pages (down from 3–4 rule failures per page), no sideways scrolling at 320 px, a working skip link as the first tab stop, a page-specific <h1> on desktop and mobile, and unique page titles. Verification is also how finding 3 was discovered: the first version of the phone-number fix inherited the failing link color, and the re-test caught it.

Pages tested

Page	Automated rule failures	Keyboard tab stops	320px reflow
Business Casual - Start Bootstrap Theme http://127.0.0.1:8080/index.html	3	5	Passes
Business Casual - Start Bootstrap Theme http://127.0.0.1:8080/about.html	3	4	Passes
Business Casual - Start Bootstrap Theme http://127.0.0.1:8080/products.html	3	4	Fails
Business Casual - Start Bootstrap Theme http://127.0.0.1:8080/store.html	4	4	Passes

Method and limits

Scope: 4 pages (Home, About, Products, Store), each tested at a desktop size (1366×900) and a phone size (390×844), plus a 320 px reflow test.

Automated tests: axe-core 4.10 rules for WCAG 2.0, 2.1 and 2.2 Level A/AA plus best practices, run in Chromium; a scripted Tab-key walk recording focus order and focus styles; a 320 px reflow test; and pixel sampling of screenshots to measure contrast where text sits on images.

AI review: an AI model (Claude) reviewed the page code, the automated results, full-page screenshots and each image, and wrote the explanations, suggested fixes and suggested alt text. No human accessibility specialist reviewed the findings.

Fix verification: suggested code changes were applied to a local copy of the pages and the automated tests re-run.

This report itself: the PDF is produced as PDF/UA-1 and checked with the open-source veraPDF validator (machine-checkable rules) plus a structure inspection (headings, image descriptions, table headers, language, title).

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Appendix: automated rule results

axe-core 4.10.3 · rule tags: wcag2a, wcag2aa, wcag21a, wcag21aa, wcag22aa, best-practice · scanned 2026-10-21T09:04:56.131Z

Business Casual - Start Bootstrap Theme <http://127.0.0.1:8080/index.html>

Viewpor t	Rule	Impact	Element s	Description
desktop	landmark-one-main	moderate	1	Document should have one main landmark
desktop	region	moderate	2	All page content should be contained by landmarks
mobile	landmark-one-main	moderate	1	Document should have one main landmark
mobile	page-has-heading-one	moderate	1	Page should contain a level-one heading

Viewpor t	Rule	Impact	Element s	Description
mobile	region	moderat e	2	All page content should be contained by landmarks

Business Casual - Start Bootstrap Theme <http://127.0.0.1:8080/about.html>

Viewpor t	Rule	Impact	Element s	Description
desktop	landmark-one-main	moderat e	1	Document should have one main landmark
desktop	region	moderat e	1	All page content should be contained by landmarks
mobile	landmark-one-main	moderat e	1	Document should have one main landmark
mobile	page-has-heading-one	moderat e	1	Page should contain a level-one heading
mobile	region	moderat e	1	All page content should be contained by landmarks

Business Casual - Start Bootstrap Theme <http://127.0.0.1:8080/products.html>

Viewpor t	Rule	Impact	Element s	Description
desktop	landmark-one-main	moderat e	1	Document should have one main landmark
desktop	region	moderat e	3	All page content should be contained by landmarks
mobile	landmark-one-main	moderat e	1	Document should have one main landmark
mobile	page-has-heading-one	moderat e	1	Page should contain a level-one heading
mobile	region	moderat e	3	All page content should be contained by landmarks

Business Casual - Start Bootstrap Theme <http://127.0.0.1:8080/store.html>

Viewpo rt	Rule	Impact	Elemen ts	Description
desktop	color-contrast	serious	2	Elements must meet minimum color contrast ratio thresholds
desktop	landmark-one-main	moderate	1	Document should have one main landmark
desktop	region	moderate	2	All page content should be contained by landmarks
mobile	color-contrast	serious	2	Elements must meet minimum color contrast ratio thresholds
mobile	landmark-one-main	moderate	1	Document should have one main landmark
mobile	page-has-heading-one	moderate	1	Page should contain a level-one heading
mobile	region	moderate	2	All page content should be contained by landmarks