

WCAG Remediation Guide

https://example-business.com

71 issues found across 10 pages

Generated by WCAG Repair

WCAG Remediation Guide: Example Business Professional Services

1. Executive Summary

Current Accessibility State

The Example Business website has been evaluated for WCAG 2.1 compliance across 10 pages, revealing **71 accessibility issues** that require immediate attention. While no critical issues were identified, the site has significant barriers that prevent users with disabilities from accessing content effectively.

Key Risk Areas

- **Structural Navigation:** Missing landmark elements and improper heading hierarchy
- **Visual Accessibility:** Color contrast failures affecting readability
- **Keyboard Navigation:** Links without accessible text preventing screen reader access
- **Content Organization:** Page content not properly contained within semantic landmarks

Overall Compliance Level

Current Status: Non-compliant with WCAG 2.1 AA standards

- 21 Major violations (WCAG Level A/AA failures)

- 50 Minor violations (Best practice and usability issues)

- Primary risk: Users with screen readers, low vision, and motor disabilities will face significant barriers

Estimated Remediation Timeline: 2-3 weeks with developer resources

2. Priority Remediation Plan

MAJOR SEVERITY ISSUES

Issue #1: Links Without Accessible Text

WCAG Reference: 2.4.4 Link Purpose (In Context) & 4.1.2 Name, Role, Value

Severity: Serious

Affected Pages: /about/

WCAG Level: AA

Current Problematic Code:

```
<a href="https://example-business.com/">
  <span><i class="fa fa-home cz_breadcrumbs_home"></i></span>
</a>
```

Recommended Fix:

```
<a href="https://example-business.com/" aria-label="Home">
  <span><i class="fa fa-home cz_breadcrumbs_home" aria-hidden="true"></i></span>
</a>
```

Alternative Fix (Preferred):

```
<a href="https://example-business.com/">
  <span class="sr-only">Home</span>
  <i class="fa fa-home cz_breadcrumbs_home" aria-hidden="true"></i>
</a>
```

Estimated Effort: Low (1-2 hours)

Issue #2: Color Contrast Failures

WCAG Reference: 1.4.3 Contrast (Minimum)

Severity: Serious

Affected Pages: /pricing/

WCAG Level: AA

Current Problematic Code:

```
<!-- Contrast ratio: 2.07 (Required: 3:1 for large text) -->
<span style="color: #ffffff;">$115</span> <!-- Background: #b4b4b4 -->

<!-- Contrast ratio: 2.07 (Required: 4.5:1 for normal text) -->
<strong>Get started</strong> <!-- White text on #b4b4b4 background -->
```

Recommended Fix:

```
<!-- Option 1: Darker background -->
<span style="color: #ffffff; background-color: #767676;">$115</span>

<!-- Option 2: Darker text -->
<span style="color: #2c2c2c; background-color: #b4b4b4;">$115</span>

<!-- For buttons -->
<strong style="color: #ffffff; background-color: #767676;">Get started</strong>
```

Color Palette Recommendations:

- White text (#ffffff) requires background of #767676 or darker
- For #b4b4b4 background, use text color #2c2c2c or darker

Estimated Effort: Medium (4-6 hours)

Issue #3: Improper Heading Hierarchy

WCAG Reference: 1.3.1 Info and Relationships

Severity: Moderate

Affected Pages: /about/

WCAG Level: A

Current Problematic Code:

```
<!-- Missing H1, jumping directly to H3 -->
<h3>About Us</h3>
```

Recommended Fix:

```
<!-- Add proper H1 for page title -->
<h1>About Example Business</h1>
<h2>Our Story</h2>
<h3>About Us</h3>
```

Estimated Effort: Low (2-3 hours)

MODERATE SEVERITY ISSUES

Issue #4: Missing Main Landmark

WCAG Reference: 2.4.1 Bypass Blocks

Severity: Moderate

Affected Pages: All pages

WCAG Level: A

Current Problematic Code:

```
<html lang="en-US" prefix="og: https://ogp.me/ns#">
<!-- Content without proper landmark structure -->
<div class="content-wrapper">
  <!-- Page content here -->
</div>
</html>
```

Recommended Fix:

```
<html lang="en-US" prefix="og: https://ogp.me/ns#">
<body>
  <header role="banner">
    <nav role="navigation" aria-label="Main navigation">
      <!-- Navigation content -->
    </nav>
  </header>

  <main role="main" id="main-content">
    <!-- Primary page content -->
  </main>

  <footer role="contentinfo">
    <!-- Footer content -->
  </footer>
</body>
</html>
```

Estimated Effort: Medium (6-8 hours across all pages)

Issue #5: Content Not Contained by Landmarks

WCAG Reference: 2.4.1 Bypass Blocks

Severity: Moderate

Affected Pages: Homepage

WCAG Level: A

Current Problematic Code:

```
<div id="cz_102354" class="cz_102354 cz_title clr cz_smart_fs">
  <!-- Content outside of semantic landmarks -->
</div>
<div class="vc_row wpb_row vc_row-fluid">
  <!-- More content without landmarks -->
</div>
```

Recommended Fix:

```
<main>
<section aria-labelledby="services-heading">
  <div id="cz_102354" class="cz_102354 cz_title clr cz_smart_fs">
    <h2 id="services-heading">Our Services</h2>
    <!-- Content now properly contained -->
  </div>
</section>

<section aria-labelledby="features-heading">
  <div class="vc_row wpb_row vc_row-fluid">
    <h2 id="features-heading">Why Choose Us</h2>
    <!-- Content with proper semantic structure -->
  </div>
</section>
</main>
```

Estimated Effort: Medium (4-5 hours)

Issue #6: Missing Level-One Heading

WCAG Reference: 2.4.6 Headings and Labels

Severity: Moderate

Affected Pages: /schedule/

WCAG Level: AA

Current Problematic Code:

```
<!-- Page has no H1 element -->
<div class="page-content">
  <h2>Class Schedule</h2>
</div>
```

Recommended Fix:

```
<main>
  <h1>Class Schedule - Example Business</h1>
  <section>
    <h2>Weekly Classes</h2>
    <!-- Schedule content -->
  </section>
</main>
```

Estimated Effort: Low (1 hour per affected page)

3. Page-by-Page Breakdown

Homepage (<https://example-business.com>) - 13 Issues

Priority Issues:

1. **Missing main landmark** - Add `<main>` wrapper around primary content
2. **Content outside landmarks** - Wrap sections in semantic HTML5 elements
3. **Title elements without proper structure** - Implement proper heading hierarchy

Remediation Steps:

```
<!-- Before -->
<div class="content-area">
  <div id="cz_102354" class="cz_title">...</div>
</div>

<!-- After -->
<main>
  <section aria-labelledby="hero-heading">
    <h1 id="hero-heading">Join Our Professional Services</h1>
    <div id="cz_102354" class="cz_title">...</div>
  </section>
</main>
```

About Page (/about/) - 5 Issues

Priority Issues:

1. **Link without accessible text** - Add aria-label to home icon link
2. **Improper heading order** - Add H1 and restructure heading hierarchy

Remediation Steps:

```
<!-- Fix breadcrumb link -->
<a href="https://example-business.com/" aria-label="Return to homepage">
  <i class="fa fa-home cz_breadcrumbs_home" aria-hidden="true"></i>
</a>

<!-- Add proper page structure -->
<main>
  <h1>About Example Business</h1>
  <section>
    <h2>Our Mission</h2>
    <h3>About Us</h3>
  </section>
</main>
```

Pricing Page (/pricing/) - 11 Issues

Priority Issues:

1. **Color contrast failures** - Update color scheme for pricing cards
2. **Missing semantic structure** - Add proper landmarks

Remediation Steps:

```
<!-- Fix pricing card contrast -->
<div class="pricing-card" style="background-color: #2c2c2c;">
  <h3><span style="color: #ffffff;">$115</span></h3>
  <button style="background-color: #005fcc; color: #ffffff;">
    <strong>Get started</strong>
  </button>
</div>
```

Contact Page (/contact/) - 10 Issues

Priority Issues:

1. **Form accessibility** - Add proper labels and error handling
2. **Missing landmarks** - Structure form within main content area

Remediation Steps:

```
<main>
  <h1>Contact Us</h1>
  <section>
    <h2>Get in Touch</h2>
    <form>
      <label for="name">Full Name (required)</label>
      <input type="text" id="name" name="name" required aria-describedby="name-error">
      <div id="name-error" class="error-message" role="alert"></div>
    </form>
  </section>
</main>
```

Schedule Page (/schedule/) - 2 Issues

Priority Issues:

1. **Missing H1 heading** - Add page title
2. **Content structure** - Organize schedule in accessible format

Remediation Steps:

```
<main>
  <h1>Class Schedule</h1>
  <section>
    <h2>Weekly Schedule</h2>
    <table>
      <caption>Weekly class schedule with times and instructors</caption>
      <thead>
        <tr>
          <th scope="col">Day</th>
          <th scope="col">Time</th>
          <th scope="col">Class</th>
        </tr>
      </thead>
      <tbody>
        <!-- Schedule data -->
      </tbody>
    </table>
  </section>
</main>
```

Remaining Pages

Services (/services/) - 8 issues: Focus on landmark structure and heading hierarchy

Founder (/founder/) - 5 issues: Add proper page title and semantic structure

Testimonials (/testimonials/) - 5 issues: Structure testimonials accessibly

Classes (/classes/) - 4 issues: Organize class listings semantically

Sign Up (/sign-up/) - 8 issues: Focus on form accessibility and validation

4. Testing Checklist

Manual Testing Steps

1. Keyboard Navigation Testing

- Tab through entire site using only keyboard
- Verify all interactive elements are reachable
- Check focus indicators are visible and clear
- Test skip links functionality
- Ensure logical tab order throughout pages

2. Screen Reader Testing

- Test with NVDA (free Windows screen reader)
- Test with JAWS (if available)
- Test with VoiceOver (macOS)
- Verify all content is announced correctly
- Check heading navigation works properly
- Test landmark navigation

3. Visual Testing

- Test at 200% zoom level
- Check color contrast ratios with tools
- Verify text remains readable when zoomed
- Test with Windows High Contrast mode
- Check focus indicators at high zoom levels

Automated Testing Tools

Primary Tools

1. **axe DevTools Browser Extension**
2. Install: Chrome/Firefox extension
3. Run on each page after fixes
4. Export results for comparison
5. **WAVE Web Accessibility Evaluator**
6. URL: <https://wave.webaim.org/>
7. Test each page URL
8. Review errors, alerts, and features
9. **Lighthouse Accessibility Audit**
10. Built into Chrome DevTools

1. Run Performance > Accessibility audit
2. Aim for score of 95+ after remediation

Color Contrast Tools

- **WebAIM Contrast Checker:** <https://webaim.org/resources/contrastchecker/>
- **Colour Contrast Analyser:** Free desktop application
- **axe DevTools:** Built-in contrast checking

Screen Reader Testing Guidance

NVDA Testing (Windows)

1. Download NVDA (free): <https://www.nvaccess.org/>
2. **Basic Navigation Commands:**
3. **H** key: Navigate by headings
4. **D** key: Navigate by landmarks
5. **F** key: Navigate by form fields
6. **L** key: Navigate by links
7. **T** key: Navigate by tables

Testing Scripts

- ```
Test homepage structure
1. Press H to navigate headings - should have logical H1, H2, H3 structure
2. Press D to navigate landmarks - should have main, navigation, contentinfo
3. Tab through all interactive elements - all should have clear labels
4. Test pricing page at 200% zoom - all text should remain readable
```

### Verification Checklist

#### Issue #1: Links Without Accessible Text

- All icon-only links have aria-label or visible text
- Screen reader announces meaningful link purpose
- Breadcrumb navigation is fully accessible

#### Issue #2: Color Contrast

- All text meets minimum contrast ratios:
- Normal text: 4.5:1
- Large text (18pt+ or 14pt+ bold): 3:1
- Button text is clearly readable
- High contrast mode displays correctly

#### Issue #3: Heading Hierarchy

- Each page has exactly one H1
- Headings follow logical order (H1 → H2 → H3, no skipping)

- Screen reader heading navigation works smoothly

#### Issue #4: Landmark Structure

- Every page has `<main>` landmark
- Header content in `<header>` or `role="banner"`
- Navigation in `<nav>` or `role="navigation"`
- Footer in `<footer>` or `role="contentinfo"`
- All content contained within appropriate landmarks

#### Issue #5: Content Organization

- All visible content is within semantic landmarks
- Page structure makes sense when navigating by landmarks
- Users can skip to main content efficiently

#### Final Validation

- Run complete automated scan with 0 critical/major issues
- Complete manual keyboard navigation test
- Verify screen reader compatibility
- Test responsive design accessibility at various zoom levels
- Validate HTML to ensure no structural errors

**Success Criteria:** All issues resolved, WCAG 2.1 AA compliance achieved, and positive user testing with assistive technology users.