**Lab Report – Assessing Accessibility**

**Lab Completed:** Assessing Accessibility

**Part 1: Lab Activity**

Directions: Complete the lab provided in Canvas. Take 2 screenshots (or more) that demonstrate completion of the lab. Answer the following:

**Q1:** Provide a synthesis of the activity you completed in your own words.

For this lab I installed 2 new wordpress plugins (a contact form plugin and a calendar plugin), activated them, and then ran an accessibility test on my site to see what issues cropped up. After running these tests I made small changes to the site and installed an accessibility plugin to help address contrast issues on the site.

**Q2:** Provide 2 screenshots that demonstrate lab completion. For each screenshot, include 1-2 sentences explaining what the screenshot is demonstrating.

A screenshot of a computer

Description automatically generated with medium confidence

This is a screenshot of the first plugin I installed; a contact form. I also installed a calendar plugin for displaying events, but it is not included here.

A screenshot of a computer

Description automatically generated with medium confidence

This is the accessibility report generated by siteimprove after I installed the two plugins

**Part 2: Critical Thinking**

Directions: Complete the following questions. Provide an explanation of your reasoning for each answer.

Suggested length for Part 2: 1-2 pages

**Q1**: What CMS did you choose to use? What plugins did you install?

I ended up choosing WordPress; not because I love it, but because I am most familiar with it. I chose to install booking calendar and wp forms lite.

**Q2:** What accessibility tools did you use? What did they assess?

I used both SiteImprove(<https://siteimprove.com>) and WAVE. SiteImprove assessed SEO, overall Performance, Accessibility, and Page Optimization. WAVE assessed page errors, contrast, labels, structure, alt text, and compliance with ARIA spec.

**Q3:** What accessibility issues identified did you choose to address? What did you to do address the issues?

I chose to address the contrast issues with my website and the pictures missing alt-text. I simply added alt text to my images and added an accessibility plugin that allows site visitors to enable contrast mode.

**Q4:** Provide a summary of what changed in the report after the second accessibility test.

Surprisingly the report got worse the second time around with WAVE. Nothing much really changed with SiteImprove. I had more low contrast errors with WAVE the second time around, and 11 more alerts than the first test.

**Q5:** Provide a copy of the results of the tools first and second scans. (Copy and pasting the results is fine. Be sure which tool is indicated for each result).

**WAVE ACCESSIBILITY REPORT BEFORE CHANGES:**

**A screenshot of a computer error

Description automatically generated with medium confidence**

**A screenshot of a cell phone

Description automatically generated with medium confidence**

**A screenshot of a computer error message

Description automatically generated with low confidence**

**WAVE ACCESSIBILITY REPORT AFTER CHANGES (Things somehow got worse):**

**A screenshot of a computer error

Description automatically generated with medium confidence**

**A screenshot of a cell phone

Description automatically generated with low confidence**

**A screenshot of a computer

Description automatically generated with medium confidence**

**SiteImprove Accessibility Report Before Changes:**

Accessibility

An accessible website widens your reach and strengthens your brand’s credibility. See how your site stacks up against the WCAG standard.

A-level

86/100

AA-level

100/100

AAA-level

NaN/100

Overview of automated checks completed

We have checked all the different elements on your page, including forms, images, and links. Here you can see how the checks are categorized by “passed” or “failed” occurrences within each conformance level.

| Status | A | AA | AAA | Total |
| --- | --- | --- | --- | --- |
| Passed | 235 | 13 | 0 | **248** |
| Failed | 8 | 0 | 0 | **8** |

64/100

SEO

Competition for organic search traffic is fierce. Optimize your search engine rankings by creating content that both people and search engines can navigate easily.

Technical issues

76/100

Mobile issues

43/100

Content issues

82/100

Experience issues

40/100

This score is just a glimpse of what our tool can do. For a complete check of your whole site, get in touch to learn more about Siteimprove SEO.

53/100

Performance

A website experience free of friction and disruptions is an absolute must for improving conversion rates, generating more leads, and increasing revenue.

First content (FCP)

2/10

Speed index (SI)

2/10

Largest content (LCP)

1/25

Interactive (TTI)

4/10

Blocking time (TBT)

30/30

Layout shift (CLS)

14/15

Loading experience

**A picture containing white, design

Description automatically generatedA picture containing white, design

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Description automatically generatedA picture containing white, design

Description automatically generatedA picture containing white, design

Description automatically generatedA picture containing text, black, design

Description automatically generatedA picture containing black, screenshot, jack, design

Description automatically generatedA picture containing text, jack, design

Description automatically generatedA close-up of a computer chip

Description automatically generated with medium confidenceA close-up of a computer chip

Description automatically generated with medium confidence**

FCP: 4.1 s

LCP: 8.0 s

TTI: 7.9 s

64/100

Ads

Don’t let conversion blockers like broken links, slow loading pages, and unsafe domains, run your ad campaigns off the tracks. Make sure your site is designed to convert.

Low severity

71/100

Medium severity

75/100

High severity

50/100

Very high severity

67/100

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**SiteImprove Accessibility Report After Changes:**

Accessibility

An accessible website widens your reach and strengthens your brand’s credibility. See how your site stacks up against the WCAG standard.

A-level

93/100

AA-level

100/100

AAA-level

NaN/100

Overview of automated checks completed

We have checked all the different elements on your page, including forms, images, and links. Here you can see how the checks are categorized by “passed” or “failed” occurrences within each conformance level.

| Status | A | AA | AAA | Total |
| --- | --- | --- | --- | --- |
| Passed | 312 | 2 | 0 | **314** |
| Failed | 8 | 0 | 0 | **8** |

64/100

SEO

Competition for organic search traffic is fierce. Optimize your search engine rankings by creating content that both people and search engines can navigate easily.

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52/100

Performance

A website experience free of friction and disruptions is an absolute must for improving conversion rates, generating more leads, and increasing revenue.

First content (FCP)

2/10

Speed index (SI)

3/10

Largest content (LCP)

1/25

Interactive (TTI)

4/10

Blocking time (TBT)

28/30

Layout shift (CLS)

14/15

Loading experience

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FCP: 4.0 s

LCP: 8.1 s

TTI: 8.4 s

64/100

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