

## **1. Introduction**

In this report, the use of plugins for the website is detailed. This report includes the current issues with my WordPress website, the reasons for implementing plugins, types of plugins used, the reason for choosing a plugin, the high-level steps of implementing each plugin, and the applicable benefits realized/expected after implementing plugins.

## **2. Current Issues**

When being created, the website had several issues that need fixing. Some of the main problems are:

- Customization: The site was just a blank page and needed decorating
- Security: When users access the website, it displayed that the connection is not secure, which can lead to the leak of users' data.
- Page Speed: The website took 2 seconds to respond, which is a long time compared with other sites.
- The website cannot be found on search engines: When users search the website's name, it took a long time for them to find the site or even cannot find it.

## **3. Reasons for implementing plugins**

Plugins can help me solve almost all existing problems with the current website quickly. Whatever I need my website to do, it can be done with a plugin. Moreover, plugins can meet my changing requirements, whether they are the template of my website, my targeted customers, etc. What makes plugins more attractive is the free and low-cost options available. Also, I can access a lot of openly available information about the plugin from previous users before deciding to go for one.

## **4. Types of plugins used.**

- Front-end page builder plugin
- Secure Socket Layer (SSL) plugin
- Caching plugin
- SEO plugin
- Analytics plugin

## **5. Reason for choosing a plugin**

The decision to choose a plugin over others depends on several factors. There are three main ones that I based on when selecting a plugin.

- Provider's trustworthiness
- Recommendations from others
- Ease of use

## **6. High-level steps of implementing each plugin**

- Install a Plugin using WordPress Plugin Search
- Activate the plugin
- Choose the service I want to use in the plugin if needed

## **7. Benefits after implementing plugins.**

After implementing the front-end page builder plugin, I was able to design my website as I like, and more users have been attracted to the site thanks to that.

Also, the SSL plugin helped the website's connection to be secured, and it will protect the personal data of users from being stolen.

The SEO plugin has not helped my users search for the website, but I hope my web can be found easier on popular search engines in the future.

Finally, the use of a caching plugin has increased the speed of my website. Before using the plugin, my website's average response time was 2 seconds; now, it is 320.6 milliseconds.

## **8. Conclusions**

WordPress plugins have revolutionized the way that people build websites. Plugins have empowered non-coders to achieve the exact functionality and features that they require from their website. This functionality can be added quickly and at a relatively low price point. For businesses operating in a fast-changing business environment, the type of flexibility that plugins offer is invaluable.