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WEB-140

Mr. Ramsey

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Final Project Analysis

To begin the analysis of our WEB-140 Final Project on Cosmetology, I will bring up the most upfront issue. I found that the rendering of the JavaScript is taking up a large majority of the page load time with 2,490.4 ms. Seeing that our site is still very small, no other load times come close to this one. The reason I believe this is taking up so much time is due to the dark-mode layout. Seeing that it is an important factor of our website, I don’t believe much can be done to it, since removing it is not an option. The error code added into the script also takes a little longer, but that is simply because it is a pop-up. Aside from the java error, the only processing that is semi-slow is the html load in. Loading in the html script takes 672.4 ms. This doesn’t pose a major issue of any sort, so I believe it can be overlooked, but if any issues were to come of this investigating the html and finding a way to condense the code would be a solution. Overall, the site performance loads and runs smoothly.

A few other console warnings that I found worth noting are some of the individual components of the code. The first is a statement that could assist with the JavaScript error, and that is the notification that the script should be formatted with the tools that the browser is using. The second code error is “initial-scale”. This piece was not recognized, and therefore is being ignored by the browser, to fix this we need to go back and find a more proper wording for the code that will be recognized. The final error message was that a bootstrap link was not recognized either. To fix this we need to ensure that the link for the bootstrap is the proper one that is being used, and ensure that it is in the proper location.

My next step in the analysis was investigating the memory. The largest portion of our memory falls in babel.min.js. This contains many of the built in JavaScript functions we used in the site, and therefore understandably should take up a decent portion of the memory. The next biggest memory portions are the objects of the page, such as the navigation buttons and the included images. Other than these few things, the website memory storage is mostly clear, and runs smoothly regardless. I haven’t found any important errors resting here that haven’t been mentioned yet either. The memory of the site is used on the html and the java, and I wasn’t able to find any unnecessary clutter.

The last thing I investigated on the site was the security. This part of my investigation was easily the most positive. There were no errors displayed for our security. Seeing that we ran the site through GitHub- a trusted and certified site, our site was also certified safe by a high assurance service. This means that we have a secured html page, and that will be shown when users come to the page in the html link box. Our connection to the server is also secure. It is encrypted and authenticated by the site, meaning we have our data protected through the connection to the server. Finally, all of our resources are served securely. This means that all of the data coming from our site can reach the end securely without interference. Overall, the site security passed with flying colors.

Using my investigation to analyze our site, I found many positive aspects to our progress, with only a few major setbacks. The three error codes listed are the only major problems that will need to be investigated thoroughly, and even these problems are not hindering our websites ability to perform properly. Using this analysis, I consider our website a success, and that it runs properly and as intended to with very little and insignificant errors that can easily be fixed.