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| CODEBLOGGS / LightHouse Analysis / **Login Page** |
| **PERFORMANCE** suggestions for improvement |
| Current note : **71/100** |

### Largest Contentful Paint (LCP):

* Issue: The largest contentful element (img#headbar-logo-img) takes 2,320 ms to paint within the viewport.
* Solution: Optimize the loading of this image by compressing it and serving appropriately sized images. Consider lazy loading or preloading to improve LCP.

### Reduce Unused JavaScript:

* Issue: Significant potential savings of 977KiB by reducing unused JavaScript, with the bulk coming from various modules.
* Solution: Review and eliminate unnecessary JavaScript modules. Defer loading scripts until they are required, improving overall performance and reducing network activity.

### Minify JavaScript:

* Issue: There is a potential savings of 431 KiB by minifying JavaScript files, including the main bundle and extensions/plugins.
* Solution: Utilize minification techniques for JavaScript files to decrease payload sizes and improve script parse time, ultimately contributing to faster page loads and enhanced performance.

### Preload Largest Contentful Paint image:

* Issue: The LCP image (img.logo-image) could benefit from preloading to improve LCP timings.
* Solution: Preload the LCP image to reduce the load time and improve Largest Contentful Paint metrics.

### Properly Size Images:

* Issue: The image (img.logo-image) is not properly sized, leading to potential savings of 10.6 KiB.
* Solution: Resize and serve the image in the appropriate dimensions to save cellular data and enhance load time.

### Minify CSS:

* Issue: Minification of CSS files can result in potential savings of 212.6 KiB.
* Solution: Minify CSS files to reduce network payload sizes, improving overall performance and speeding up page loads.

### Serve Static Assets with an Efficient Cache Policy:

* Issue: There are static assets (bundle.js and CodeBlogg image) with no specified cache TTL.
* Solution: Implement an efficient cache policy for static assets to speed up repeat visits. Specify appropriate Cache TTL values for resources.

### Reduce Unused CSS:

* Issue: There's potential savings of 255.2 KiB by reducing unused CSS rules.
* Solution: Identify and eliminate unused CSS rules to decrease bytes consumed by network activity, optimizing page loading.

### Avoid Serving Legacy JavaScript to Modern Browsers:

* Issue: No potential savings mentioned, but it's advised to avoid serving unnecessary legacy JavaScript to modern browsers.
* Solution: Use modern script deployment strategies, such as module/nomodule feature detection, to reduce the amount of code shipped to modern browsers while retaining support for legacy browsers.

### Page Prevented Back/Forward Cache Restoration:

* Issue: The page /admin/login is preventing back/forward cache restoration due to WebSocket usage.
* Solution: Consider optimizing WebSocket usage or alternative approaches to enable back/forward cache restoration, improving navigation speed for return visits.