

Overview

Enhance WordPress site's speed, stability, and user experience by addressing performance issues identified in Google PageSpeed Insights. Optimizations will improve Core Web Vitals, SEO performance, and overall site responsiveness on both desktop and mobile devices. Customize online voting process.

Goals

1. Achieve 90+ PageSpeed scores on desktop and mobile.
2. Improve Core Web Vitals (LCP, CLS, FID).
3. Reduce total page size, requests, and load times.
4. Customize form submission process and data output.

Key Issues Identified

1. Render-blocking scripts and styles (3,670 ms delay).
2. Slow font loading (3,000 ms delay).
3. Inefficient caching and large network payloads (3 MB total).
4. Unused CSS/JS (~700 KB).
5. Unoptimized image delivery (539 KB).
6. Long main-thread and JavaScript execution times.
7. Confusing mobile view layout.
8. Form submission process bugs.

Optimization Plan

1. Images: Compress, convert to WebP/AVIF, add lazy loading, define dimensions.
2. CSS/JS: Minify, remove unused code, defer render-blocking resources.
3. Fonts: Add font-display: swap, preload key fonts.
4. Caching: Configure browser and server caching, enable GZIP/Brotli, optimize CDN.
5. Server & Database: Clean database, audit plugins, ensure modern PHP and HTTP/2+.
6. Testing: Measure before/after results using PageSpeed Insights and Lighthouse.
7. Bug fixes.

Detailed Tasks

1. Make code changes and other changes to increase website speed (possible database issue).
2. Improve images: alternative text (currently set with coding on 1 page), viewing, optimization.
3. Make code changes to optimize mobile view on all pages.
4. For /vote-top, change mobile layout where category description is consistently above the photos for all categories on 1 page. Leave as is on desktop/large screens. I've add classes to each element, one, two, three, four..... I need the order on the mobile device to be 1, 3, 2, 4, 5, 7, 6, 8, 9, 11, 10, 12, 13, 15, 14, 16, 17, 19, 18, 20. I created additional css but it doesn't work. The page is confusing on mobile and tablets. Maybe change it to accordion where you click the category to see that category form and options only.
5. Custom code for contact form 7 submission process on /vote-page (access code required):
 - I. Multiple forms on 1 page with 1 submit button.
 - II. Change vote plugin code to keep allowing multiple submissions until all 9 category forms are complete instead of removing the submit button and adding vote submitted after 2nd vote and make sure the top-categories form doesn't send email (already set).
 - III. Allow user to sign out and sig back in to complete categories separately until all forms on the page are submitted.
 - IV. Only remove the top-categories form submit button after all 9 category forms have been successfully submitted. Add the message "You have successfully submitted votes for all categories." and hide the element with the class sendall (this is the words submit your votes above the submit button).

- V. Keep vote submitted green box visible and vote form invisible once the category form is submitted even after clearing cache or signing out and signing back in again.
- VI. Logout button when logged in with an access code doesn't work. It is only for the access code and not a Wordpress logout. Adjust code to sign user out of session and apply it to the button.
- VII. Custom code for form submission data to output on the front end....create a vote tabulation widget for each category.