

Multi-Tool Chrome Extension

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Abstract: *Modern web users frequently rely on multiple online tools for tasks such as password generation, hashing, QR code creation, SSL verification, proxy configuration, link analysis, and clipboard management. However, switching between multiple websites for these utilities reduces efficiency and increases security risks. This paper presents a Multi-Tool Chrome Extension that integrates essential web utilities into a single lightweight browser extension. The system provides modules including Proxy Configuration, Hash Generator, Secure Password Generator, QR Code Generator, Clipboard Manager, SSL Certificate Checker, and URL Link Analyzer. The extension follows a modular architecture ensuring scalability, secure processing, and responsive performance within the Chrome browser environment. Experimental testing demonstrates improved user productivity, reduced dependency on third-party websites, and enhanced security awareness. The proposed extension offers a unified, fast, and secure solution for everyday web utility tasks.*

Keywords: Chrome Extension, Web Security, Password Generator, Hashing, SSL Verification, QR Code Generator, Proxy Tool, URL Analyzer

