Browser Extension Security Audit Report

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# 1. Objective

The objective of this task was to perform a comprehensive audit of the browser's installed extensions to identify and remove any unused, suspicious, or potentially harmful add-ons. This step is crucial to ensure browser security, safeguard personal data, and maintain optimal performance.

# 2. Procedure Followed

* Step 1: Accessing the Extension Manager - Opened the browser’s extensions/add-ons manager via settings menu.
* Step 2: Reviewing Installed Extensions - Reviewed all installed extensions for functionality and necessity.
* Step 3: Checking Permissions & Reviews - Analyzed permissions requested by each extension and verified user reviews.
* Step 4: Identifying Suspicious or Unused Extensions - Marked unused extensions and flagged those with excessive permissions.
* Step 5: Removing Unnecessary Extensions - Removed suspicious/unnecessary extensions after evaluation.
* Step 6: Restarting the Browser - Restarted browser and noticed performance improvements.

# 3. Findings

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| --- | --- | --- |
| Extension Name | Status | Reason |
| Grammarly | Retained | Trusted, actively used |
| uBlock Origin | Retained | Security-focused, essential |
| XYZ Video Downloader | Removed | Excessive permissions |
| Tab Enhancer Pro | Removed | Unused, poor ratings |

# 4. Potential Threats of Malicious Extensions

* Steal sensitive data (passwords, banking info)
* Inject ads or redirect traffic
* Track browsing behavior without consent
* Install malware or spyware

# 5. Conclusion & Recommendations

This extension audit significantly improved browser security and performance. I recommend the following practices moving forward:

* Review extensions monthly
* Install only from trusted developers
* Grant permissions cautiously
* Stay updated on browser security advisories

# 6. Documentation

A record of removed extensions and steps taken has been documented for reference. Screenshots of the extension manager before and after cleanup are attached in Appendix A.

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