Task 7: Identify and Remove Suspicious Browser Extensions

🎯 Objective

To identify suspicious or unnecessary Chrome extensions, analyze their permissions, and remove potential security risks to ensure safe browsing.

🛠 Tools Used

- **Google Chrome** (Extension Manager: chrome://extensions/)
- Manual inspection of extension permissions & developer details

🧪 Steps Performed

1. **Opened Chrome Extension Manager** using chrome://extensions/
2. **Enabled Developer Mode** to view extension IDs
3. **Reviewed Installed Extensions** by checking:
   - Extension **name & developer**
   - **Permissions** requested (all sites, browsing history, etc.)
   - **Incognito access** settings
4. **Disabled suspicious extensions** temporarily to test browser behavior
5. **Removed unnecessary/untrusted extensions** permanently
6. **Secured kept extensions** by limiting their site access to "On specific sites" or "On click"
7. **Verified browser settings** (default search engine and homepage remained unchanged)

📊 Extension Review Results

Extension Name	ID / Developer	Permissions Used	Action	Reason
uBlock Origin	cjpalhdlnbpafi...	Block ads only	✅ Kept	Trusted, useful
PDF Helper Pro	xyz123abc	Access to all sites & history	❌ Removed	Suspicious & unnecessary
Grammarly	kbfnbcaeplbcio...	Access on selected sites	✅ Kept	Productivity tool
Unknown AdBlock	abc987xyz	Change search settings, all sites	❌ Removed	Fake/duplicate adblock
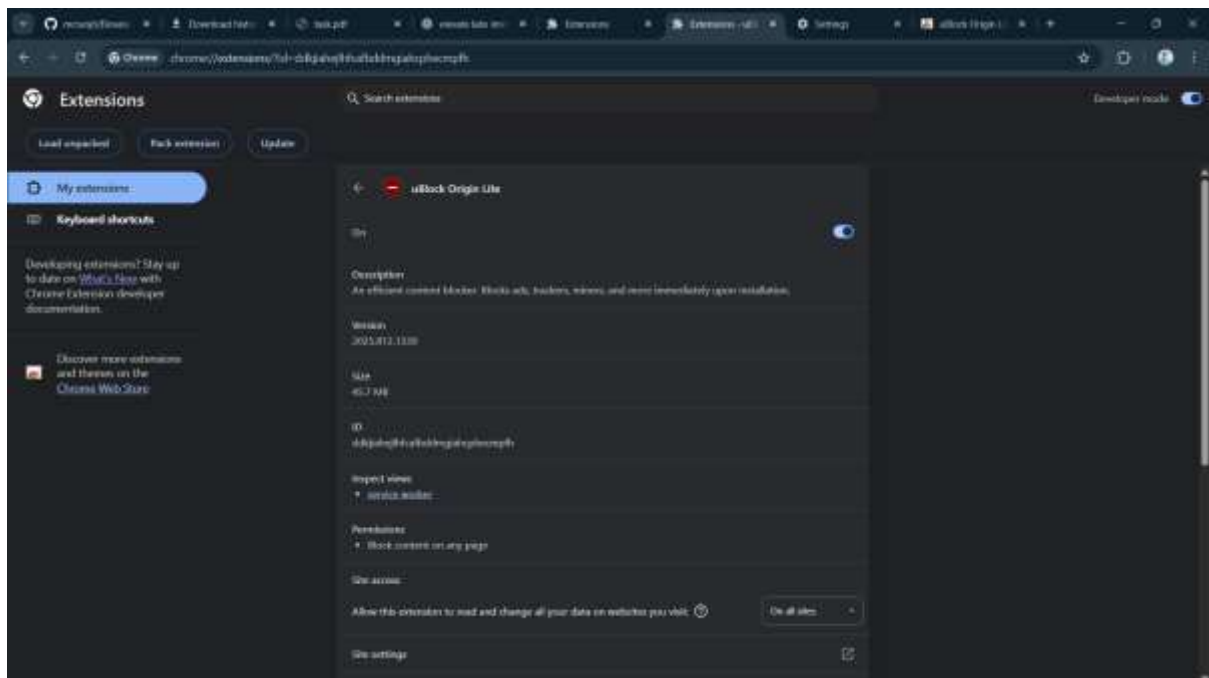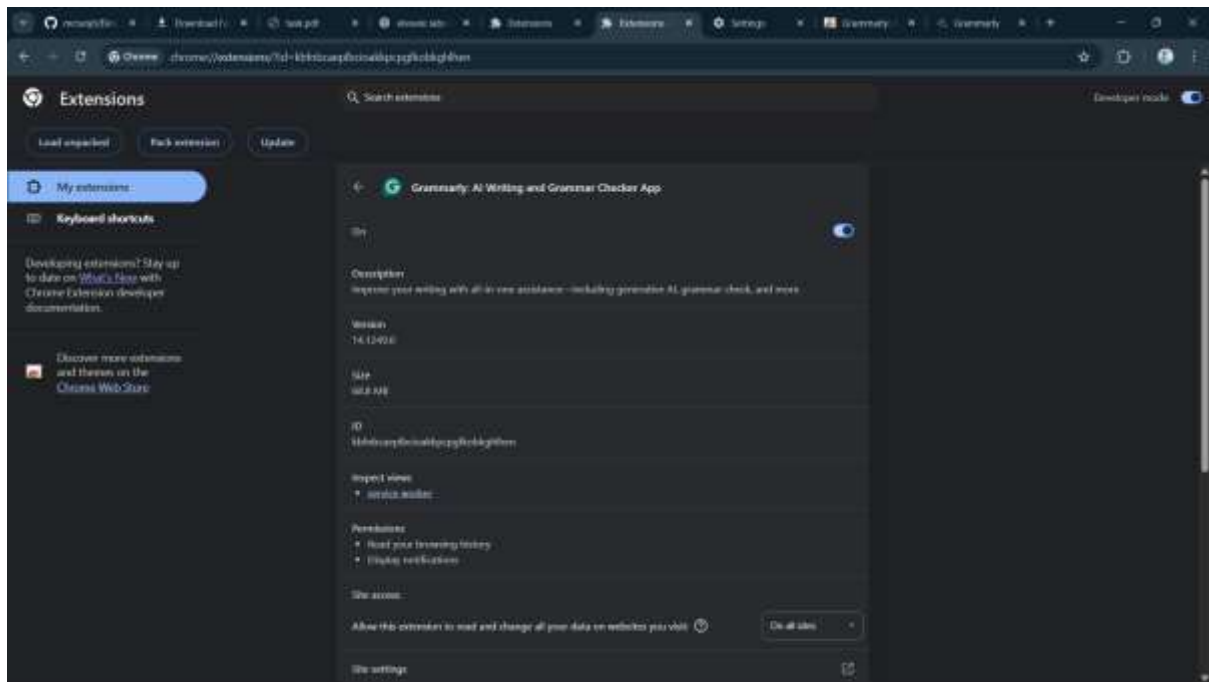
⚠️ Risks of Malicious Extensions

- **Stealing cookies or passwords** → attacker can hijack sessions

- **Injecting ads or malware** into websites

- **Tracking browsing activity** & exfiltrating data

- **Hijacking homepage or search engine**

✅ Outcome

This task improved my understanding of how browser extensions can impact security. By removing suspicious ones and controlling permissions, I reduced the attack surface of my browser.