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Develop and implementation chrome extension spying

A Graduate Project Submitted to the department of Information Security of the College of Information Technology, University of Babylon, in Partial Fulfillment of the Requirements for the Bachelor's degree in the Information Security of Information Technology.

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Abstract

Malicious software represents a perilous category of cyber assaults that encompass activities like data theft, manipulation, and sabotage. Various forms of malicious software exist, including worms, viruses, and spyware. Understanding the operational mechanisms of these programs is crucial for devising effective prevention strategies. Consequently, a proposal was made for a project aimed at crafting a surveillance tool in the form of a Chrome browser extension. This particular tool was specifically tailored to function as an extension on the Chrome browser. The fundamental concept behind the project is centered on developing an extension embedded within Google Chrome, leveraging this extension for surveillance purposes. Initially, the extension conducts safety checks on websites as a complimentary service for the user; however, its primary function is discreet user monitoring. Operating inconspicuously in the background, the add-on gathers user data and transmits it to a designated server.

Following the implementation phase, the program successfully harvested sensitive information regarding the target, including login credentials and site-specific cookies. Furthermore, the user's IP address and geographical coordinates were acquired. Subsequently, this data is relayed to a storage database for safekeeping and analysis.

The outcomes are showcased on a dedicated page exclusively accessible to the developer of the program.