

Research and design of a system to defend against SQL Injection and XSS attacks on Websites

Hoang Quoc Khanh

Abstract: In the context of increasingly frequent cyber attacks, this topic focuses on researching and designing a security system to prevent SQL Injection and XSS on websites. The goal is to build a comprehensive solution that can be practically deployed to ensure information security. The approach combines theoretical research on potential dangerous factors in web source code with experimentation, thereby developing and testing effective protection modules. The significance of this topic is to provide the technical community with a useful tool to enhance cybersecurity, contributing to reducing risks from malicious attacks.

Keywords: SQL Injection, XSS, Website Security, Information Security, Security Testing