

Abstract

The world of networking in which people around the globe are connected, Cross-site Scripting (XSS) attack has emerged to be one of the most prevalent growing threats in web-application.

XSS attacks are those in which attackers inject malicious codes, most often client-side scripts, into web applications from outside sources. Because of the number of possible injection location and techniques, many applications are found to be vulnerable to this attack method. Even though the main reason for the vulnerability primarily lies on the server side, the actual exploitation is within the victim's web browser on the client side.

In this project we address Cross-site Scripting attack attacks in web-applications. A defense mechanism is also developed to protect form the XSS attacks and implemented in the client machine. The detection method is based on regular expressions grammar. A vulnerable web-application is also developed and experimented with the detection module. The experimental results are found to be satisfactory.