## How is secure coding related to XSS?

Cross-site scripting (also known as XSS) is a web security vulnerability that allows an attacker to compromise the interactions that users have with a vulnerable application. It allows an attacker to circumvent the same origin policy, which is designed to segregate different websites from each other. Cross-site scripting vulnerabilities normally allow an attacker to masquerade as a victim user, to carry out any actions that the user can perform, and to access any of the user's data. If the victim user has privileged access within the application, then the attacker might be able to gain full control over all the application's functionality and data.

To avoid such vulnerabilities, safe practices under secure coding must be adopted.
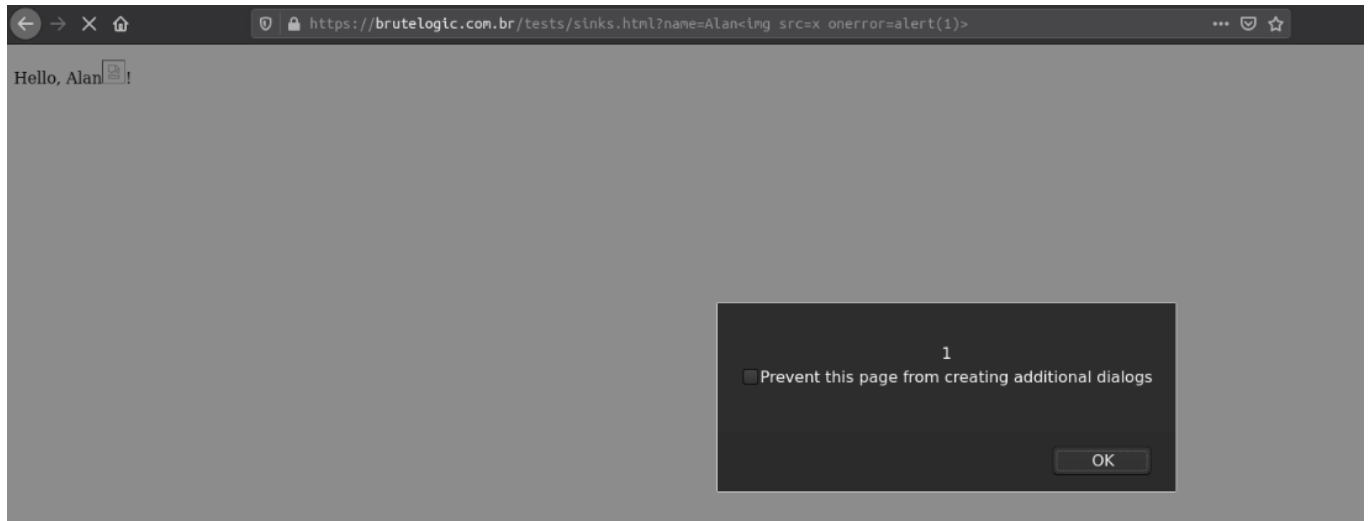
Reflected XSS on demo website:
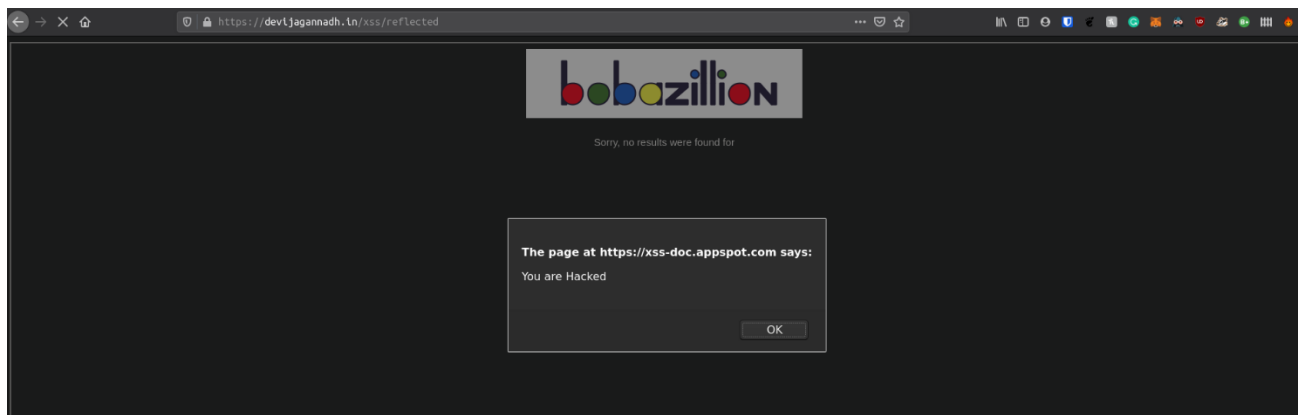
Stored XSS on demo website:
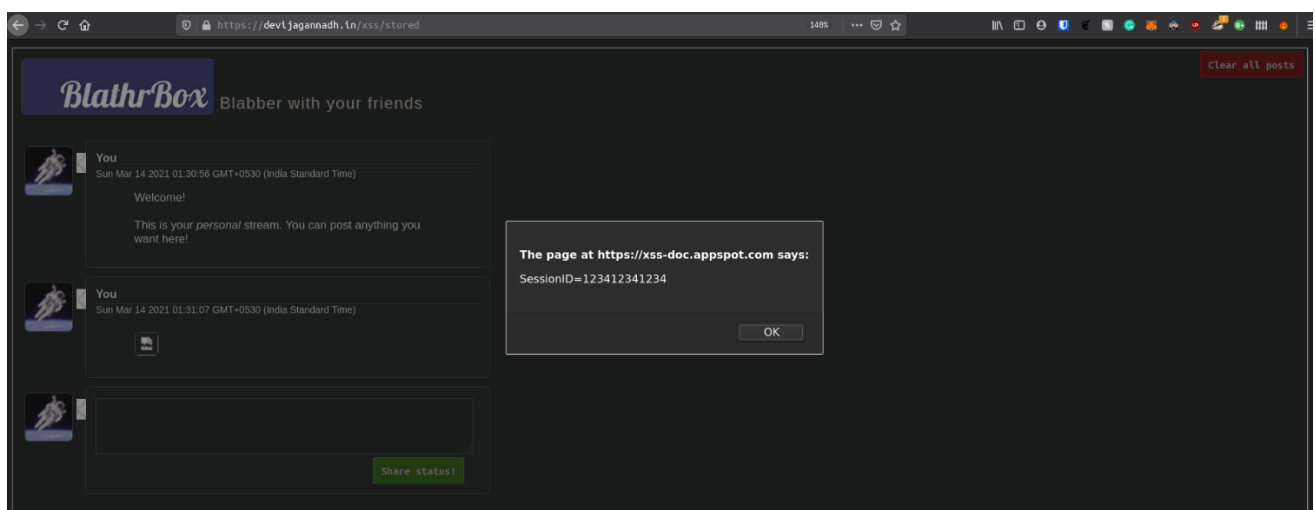
DOM XSS on demo website:

Challenge: alf.nu/alert1